

# APPENDIX E

## Fellowship Awards Offered

### National Science Foundation Fellowship Awards, by Type and Field, Fiscal Year 1961

Field	Graduate	Cooperative graduate	Graduate teaching assistants	Post-doctoral (regular)	Post-doctoral (senior)	Science faculty	Secondary school teachers	Total
<b>Life Sciences:</b>								
Agriculture.....	8	8	5	2	1	3	1	28
Anthropology.....	31	12	6	3	0	1	0	53
Biochemistry.....	53	24	7	19	6	5	3	117
Biophysics.....	32	2	1	3	3	1	1	43
Botany.....	25	19	27	8	5	4	9	97
General Biology.....	26	18	18	2	1	4	67	136
Genetics.....	18	9	6	5	4	1	2	45
Medical Sciences.....	4	5	4	15	3	4	0	35
Microbiology.....	15	4	12	3	4	3	1	42
Physiology.....	20	7	7	5	2	3	0	44
Psychology.....	49	42	28	6	3	2	0	130
Zoology.....	66	36	54	4	3	11	21	195
<b>Subtotal.....</b>	<b>347</b>	<b>186</b>	<b>175</b>	<b>75</b>	<b>35</b>	<b>42</b>	<b>105</b>	<b>965</b>
<b>Physical Sciences:</b>								
Astronomy.....	13	7	1	5	0	1	0	27
Chemistry.....	239	185	141	48	16	27	25	681
Earth Sciences.....	85	29	55	8	4	11	1	193
Engineering.....	262	256	61	11	7	111	0	708
Mathematics.....	235	201	103	31	8	56	157	791
Meteorology.....	4	2	1	2	0	1	0	10
Oceanography.....	3	0	0	1	0	3	0	7
Physics.....	314	202	61	51	17	27	21	693
General Science.....	0	0	0	0	0	6	15	21
<b>Subtotal.....</b>	<b>1,155</b>	<b>882</b>	<b>423</b>	<b>157</b>	<b>52</b>	<b>243</b>	<b>219</b>	<b>3,132</b>
<b>Social Sciences.....</b>	<b>34</b>	<b>32</b>	<b>27</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>100</b>
<b>Total.....</b>	<b>1,536</b>	<b>1,100</b>	<b>625</b>	<b>235</b>	<b>91</b>	<b>285</b>	<b>324</b>	<b>4,196</b>

### Names, Residences, and Fields of Study of Individuals Offered National Science Foundation Fellowships

#### ALABAMA

##### Graduate

BURGESS, EDWARD M., Birmingham, Chemistry  
 BURKE, JAMES D., Mobile, Chemistry  
 COULTER, CLAUDE A., Phenix City, Physics  
 GUNTER, THOMAS E., Tusculumbia, Physics  
 McCLANAHAN, WARREN B., Mobile, Mathematics  
 MORAN, MARTIN T., Mobile, Physics  
 NELSON, PAUL, JR., Meridianville, Physics  
 ROBERTS, DENNIS L., Jr., Montgomery, Physics  
 SMITH, DONALD R., Sylacauga, Mathematics  
 STERENGLANZ, ROLF, Birmingham, Chemistry  
 STURGES, WILTON, III, Dothan, Oceanography  
 WRIGHT, GORDON T., Tuscaloosa, Biophysics

##### Cooperative Graduate

BAGWELL, JOHN T., Jr., Montgomery, Mathematics  
 COGGINS, JAMES L., Brundidge, Engineering  
 COULTER, PHILIP W., Phenix City, Physics  
 GARRETT, ARTHUR R., Jr., Montevallo, Biology  
 GARRETT, WILLIAM R., Warrior, Physics  
 GRABEN, HENRY W., Delta, Physics  
 HOSEA, JOEL C., Birmingham, Engineering  
 ISSOS, JAMES N., Birmingham, Mathematics  
 MULLINS, PEGGY J., Huntsville, Mathematics  
 PRICE, DAVID K., Auburn, Chemistry  
 ROBERTS, EUGENE C., Birmingham, Chemistry  
 SMITH, CLOYD V., Jr., Sylacauga, Engineering  
 SWEET, RICHARD F., Mobile, Physics

*Summer Fellowships for Graduate Teaching Assistants*

ASQUITH, CLAIRE F., University, Engineering  
BAGWELL, JOHN T., Jr., Montgomery, Mathematics  
GRABEN, HENRY W., Delta, Physics  
ISSOS, JAMES N., Birmingham, Mathematics  
O'NEIL, JAMES M., Auburn, Mathematics  
YARBROUGH, RUPERT H., Tuscaloosa, Mathematics

*Postdoctoral*

HOOD, WILLIAM B., Jr., Birmingham, Medical Sciences

*Science Faculty*

HENDERSON, JAMES H. M., Tuskegee, Botany  
OLIVER, CALVIN C., Chicksaw, Engineering

*Summer Fellowships for Secondary School Teachers*

BARKLEY, MARK ERNEST, Autaugaville, Mathematics  
GLENN, MOSES LEONARD, Montgomery, Mathematics  
HUMPHREYS, DOUGLAS D., Helena, Mathematics  
JONES, ERNEST L., Orville, General Science  
NANCARROW, DOROTHY V., Birmingham, Biology  
NORRIS, CHARLES W., Andalusia, Mathematics  
SABOL, SR. M. TERESITA, Montgomery, Chemistry

**ALASKA**

*Graduate*

MILAN, FREDERICK A., Fairbanks, Anthropology

*Science Faculty*

BYCE, DONALD H., College, Earth Sciences

**ARIZONA**

*Graduate*

BISSETT, DAVID H., Prescott, Earth Sciences  
BRETERNITZ, DAVID A., Tucson, Anthropology  
DOLE, JIM W., Phoenix, Biology  
FINNEY, JOSEPH J., Tucson, Earth Sciences  
GREGORY, BOB L., Phoenix, Engineering  
HALPERN, MARTIN B., Tucson, Physics  
LANGE, ROBERT V., Phoenix, Physics  
LEWIS, RICHARD B., Douglas, Physics  
YEAZELL, MARTHA E., Tucson, Biochemistry

*Cooperative Graduate*

BROWN, KEITH S., Jr., Amado, Chemistry  
COOPER, RICHARD K., Tucson, Physics  
ERICKSON, ROLFE C., Tucson, Earth Sciences  
LINDHOLM, FRED A., Tucson, Engineering  
PEAKE, EDMUND J., Jr., Phoenix, Mathematics  
TAYLOR, JAMES G., Phoenix, Engineering  
WEINBERG, DAVID S., Tucson, Chemistry  
YOUNG, JON N., Florence, Social Sciences

*Summer Fellowships for Graduate Teaching Assistants*

HATFIELD, WILLIAM E., Tucson, Chemistry  
KERR, DONALD R., Jr., Tucson, Mathematics  
YEAZELL, MARTHA E., Tucson, Biochemistry

*Postdoctoral*

SAVAGE, JAMES C., Tucson, Earth Sciences

*Science Faculty*

FORSTER, LESLIE S., Tucson, Chemistry  
SMITH, JACK, Tucson, Engineering  
STAATS, ARTHUR W., Tempe, Psychology

*Summer Fellowships for Secondary School Teachers*

DAVY, ROGER H., Phoenix, Zoology  
SHOWLEY, DEVON LEE, Scottsdale, Physics  
TOOHEY, JACK V., Phoenix, Biology

**ARKANSAS**

*Graduate*

BROWN, ROBERT M., Little Rock, Physics  
CHRISTIE, JOE H., Magnolia, Chemistry  
GRAMLICH, JIM V., Charleston, Agriculture  
NEIHOUSE, LEON J., Fort Smith, Physics  
PARCHMAN, LONNIE G., Brinkley, Genetics  
WEATHERFORD, WENDELL, Newport, Physics

*Cooperative Graduate*

BIGGS, FRANK, Pea Ridge, Physics  
CHILDS, WILLIAM V., Magnolia, Chemistry  
MCMILLAN, WILLIAM L., Little Rock, Physics  
PETZ, JOHN I., Fayetteville, Physics  
SPARKS, BRYAN, Fayetteville, Chemistry  
STRICKLAND, WILLIAM T., Little Rock, Engineering  
VAULX, RANN L., Pine Bluff, Chemistry

*Summer Fellowships for Graduate Teaching Assistants*

HULTSMAN, ST. CLAIR L., Little Rock, Physics

*Science Faculty*

DEAVER, FRANKLIN K., Fayetteville, Engineering  
HEIPLE, LOREN R., Fayetteville, Engineering  
PRYOR, CARLON W., Little Rock, Microbiology

*Summer Fellowships for Secondary School Teachers*

BLEVINS, EULA L., North Little Rock, Biology  
BOZONE, DAISY LOUISE, Junction City, Mathematics  
DOBSON, JACK T., Lonoke, Biology  
GARNER, BERNICE L., Norphlet, Biology  
JORDAN, CHESTER L., Fort Smith, General Science  
MCDERMOTT, CECIL W., Little Rock, Mathematics  
MILLER, MARIE WARD, McCrory, Biology  
NEWTON, MCKINLEY, Tuckerman, General Science  
PURTLE, IDA M., Prescott, Biology

**CALIFORNIA**

*Graduate*

ABERS, ERNEST S., San Francisco, Physics  
ANDERSON, BARRY F., Redwood City, Psychology  
ANDERSON, LOBAN C., Claremont, Botany  
ANSPAUGH, LYNN R., Berkeley, Biophysics  
AWBREY, FRANK T., Ventura, Biology  
BACHER, ANDREW D., Pasadena, Astronomy

**BANKS, PHILIP O.**, Sacramento, Earth Sciences  
**BARNES, LYNNE R.**, Los Angeles, Mathematics  
**BATES, DAVID M.**, Los Angeles, Botany  
**BAUER, ANDREW B.**, Long Beach, Engineering  
**BEAL, ALAN J.**, Santa Clara, Mathematics  
**BELMONT, PETER A.**, San Francisco, Mathematics  
**BERNICK, ROBERT L.**, N. Hollywood, Physics  
**BIONDI, ENRICO F.**, Palo Alto, Engineering  
**BLACK, NEVILLE A.**, Los Angeles, Engineering  
**BLANDFORD, ROBERT**, Pasadena, Earth Sciences  
**BLETHEN, SANDRA L.**, Oakland, Biochemistry  
**BLOOMFIELD, VICTOR**, Cotati, Chemistry  
**BLUM, JAMES L.**, Los Angeles, Physics  
**BORGMAN, LEON E.**, Los Angeles, Mathematics  
**BOULWARE, DAVID G.**, Lafayette, Physics  
**BOYD, ROBERT G.**, Riverside, Physics  
**BROZAN, JOHN B.**, Los Angeles, Physics  
**BROWN, IRENE L.**, Portola Valley, Biology  
**BROWN, JEROME R.**, Hillsborough, Physics  
**BROWN, LAWRENCE D.**, Beverly Hills, Mathematics  
**BURNETT, DONALD S.**, Berkeley, Chemistry  
**BURR, STEFAN A.**, El Cerrito, Mathematics  
**CAMBERN, MICHAEL J.**, Oakland, Mathematics  
**CAMPBELL, JOHN H.**, Monrovia, Microbiology  
**CABTER, CHARLES C.**, Covina, Chemistry  
**CASTOR, JOHN I.**, Fresno, Astronomy  
**CLARK, ALAN K.**, San Jose, Physics  
**CLARK, BRIAN R.**, La Puente, Biochemistry  
**COOPER, JAMES A.**, Chatsworth, Engineering  
**CRAPO, LAWRENCE M.**, Porterville, Chemistry  
**CRICHTON, JAMES H.**, Berkeley, Physics  
**CROSS, RALPH H., III.**, Berkeley, Engineering  
**DALRYMPLE, GARY B.**, Lafayette, Earth Sciences  
**DAVIS, STEPHEN L.**, Oakland, Biophysics  
**DENMAN, SUE C.**, Berkeley, Anthropology  
**DICK, GEORGE J.**, Winton, Physics  
**DOUGLAS, ROY R.**, Vallejo, Mathematics  
**DOUGLASS, ROGER L.**, Albany, Physics  
**DUKE, MICHAEL B.**, Pasadena, Earth Sciences  
**ELLIS, DAVID J.**, Whittier, Chemistry  
**ELLSWORTH, BARBARA H.**, Van Nuys, Microbiology  
**FELDMAN, MARTIN R.**, Los Angeles, Chemistry  
**FOLKMAN, JON H.**, Berkeley, Mathematics  
**FRANZ, GILBERT W.**, Reedley, Earth Sciences  
**GETZINGER, RICHARD W.**, La Puente, Engineering  
**GIANCOLI, DOUGLAS C.**, Berkeley, Physics  
**GIBSON, EDWARD G.**, Pasadena, Engineering  
**GRAHAM, RONALD L.**, Berkeley, Mathematics  
**GRIFFITH, HAYES O.**, La Verne, Chemistry  
**GRIFFITHS, ROBERT B.**, Stanford, Physics  
**GRIMES, CHARLES C.**, Berkeley, Physics  
**GRZESIK, JAN A.**, Inglewood, Physics  
**HAGADORN, IRVINE R.**, Albany, Zoology  
**HALEY, KENNETH W.**, Oakland, Engineering  
**HARTWELL, LELAND H.**, Pasadena, Biochemistry  
**HASSLER, FRANCES J.**, Los Angeles, Anthropology  
**HAYLER, DONALD A.**, Belmont, Physics  
**HECHLER, STEPHEN H.**, San Leandro, Mathematics  
**HEILBRON, JOHN L.**, Berkeley, Social Sciences  
**HELLER, MARILYN B.**, Los Angeles, Chemistry  
**HENDRICKS, TAREAH J.**, La Jolla, Physics  
**HOLDAWAY, MICHAEL J.**, Berkeley, Earth Sciences  
**HONE, DANIEL W.**, San Francisco, Physics  
**HOUGH, WILLIAM W.**, Pasadena, Engineering  
**HUDSON, DOHERTY B.**, San Francisco, Medical Sciences  
**HUFBAUER, KARL G.**, La Jolla, Social Sciences  
**HULD, BENT**, Pasadena, Physics  
**JAECKEL, LOUIS A.**, Pacoima, Mathematics  
**KARIG, DANIEL E.**, Pasadena, Earth Sciences  
**KASPER, JEROME V.**, Pasadena, Chemistry  
**KEEFFE, JAMES R.**, Dinuba, Chemistry  
**KESING, ROGER M.**, Stanford, Anthropology  
**KEIGHTLEY, WILLARD O.**, Pasadena, Engineering  
**KENNEDY, KENNETH A.**, San Francisco, Anthropology  
**KIRK, WILLIAM L., Jr.**, Los Angeles, Psychology  
**KLEIGER, LINDA J.**, Sherman Oaks, Social Sciences  
**KLEIN, STANLEY A.**, Ontario, Physics  
**KLOTZ, EUGENE A.**, Costa Mesa, Mathematics  
**KONRAD, MICHAEL W.**, Pt. Richmond, Biophysics  
**KRANSE, FRANKLIN B.**, Sausalito, Psychology  
**KRIEGER, STEPHAN J.**, Berkeley, Physics  
**KULA, RICHARD J.**, San Gabriel, Chemistry  
**LANDGREBE, JOHN A.**, San Francisco, Chemistry  
**LANG, SIDNEY B.**, San Francisco, Engineering  
**LEVINE, MICHAEL J.**, Pasadena, Physics  
**LEWIS, FRANCIS H.**, Menlo Park, Physics  
**LEWIS, RICHARD A.**, Tarzana, Engineering  
**LINDQUIST, EVERT E.**, Berkeley, Zoology  
**LINDSEY, JAMES S.**, Santa Monica, Physics  
**LINSON, LEWIS M.**, Oakland, Physics  
**MACINTYRE, FERREN**, Carpinteria, Chemistry  
**MACOMBER, JAMES D.**, Marysville, Chemistry  
**MANDELL, RICHARD L.**, Rosemead, Engineering  
**MARSHALL, J. HOWARD**, Pasadena, Physics  
**MARTIN, LAURENCE R.**, La Jolla, Chemistry  
**MASTERS, MILLICENT R.**, Berkeley, Microbiology  
**MATTHEWS, JUNE L.**, Altadena, Physics  
**MAURE, CHARLES J.**, Lawndale, Engineering  
**MAXWELL, DOUGLAS L.**, Claremont, Social Sciences  
**MCDOWELL, EDWARD R.**, Pasadena, Engineering  
**MCREYNOLDS, STEPHEN R.**, Santa Monica, Mathematics  
**MERZ, MARTIN D.**, Wasco, Engineering  
**MIHALAS, DIMITRI M.**, Los Angeles, Astronomy  
**MILDER, DAVID M.**, N. Hollywood, Physics  
**MILLSTEIN, JERRY**, Los Angeles, Physics  
**MONTI, STEPHEN A.**, San Rafael, Chemistry  
**MOERS, CHRISTOPHER N.**, San Diego, Oceanography  
**MOORE, CHARLES B.**, Albany, Chemistry  
**MORRIS, WILLIAM G.**, Oakland, Engineering  
**MOYNIHAN, CORNELIUS T.**, San Jose, Chemistry  
**MUNSON, JOHN H.**, Burbank, Physics  
**NEIGHBOR, JAMES E.**, Walnut Creek, Physics  
**NELSON, ANDREW P.**, Berkeley, Botany  
**NELSON, KEITH B.**, Berkeley, Zoology  
**NEVILLE, DONALD E.**, Los Angeles, Physics  
**Nieto, MICHAEL M.**, Los Angeles, Physics  
**NOBLE, DONALD C.**, Stanford, Earth Sciences  
**O'CONNELL, JOHN P.**, Santa Ana, Engineering  
**PARKER, PETER D.**, Monterey Park, Physics  
**PEAK, LLOYD S.**, Pico Rivera, Chemistry  
**PEARSON, GERALD A.**, Manhattan Beach, Chemistry  
**PHILLIPS, LORNA M.**, Berkeley, Zoology

PIERSON, Sr., MARY B., Belmont, Microbiology  
 PITZER, RUSSELL M., Berkeley, Chemistry  
 RAPIER, JERRY L., Palo Alto, Physics  
 RENKEN, JAMES H., Altadena, Physics  
 REYNOLDS, MITCHELL W., Berkeley, Earth Sciences  
 RICHIE, KENNETH E., Hollywood, Physics  
 RIMMERMAN, ERNEST A., Los Angeles, Biochemistry  
 ROEDER, DAVID W., El Cerrito, Mathematics  
 RONY, PETER R., Los Angeles, Engineering  
 RUSHFORTH, CRAIG K., Stanford, Engineering  
 SAEGEBARTH, ELLEN I., Berkeley, Chemistry  
 SAYUN, MELVILLE R., Santa Barbara, Chemistry  
 SHANKS, WESLEY L., Pasadena, Physics  
 SILVERSTONE, HARRIS J., Pasadena, Chemistry  
 SKIDMORE, LIONEL J., Inglewood, Engineering  
 SMITH, DAVID H., Alhambra, Social Sciences  
 SNIVELY, FRANK T., Pasadena, Physics  
 SPECHT, WALTER A., Jr., Pasadena, Engineering  
 STEA, DAVID, Stanford, Psychology  
 STRINGOLD, HAROLD, Santa Monica, Engineering  
 STREET, ROBERT L., Menlo Park, Engineering  
 SUEZZLE, LARRY R., San Bruno, Physics  
 SUMNER, PETER R., Granada Hills, Chemistry  
 SUO, MIKIO, Fresno, Engineering  
 TAYLOR, CHARLES R., South Gate, Physiology  
 TAYLOR, ROBERT W., Torrance, Mathematics  
 TELLER, DAVID C., Berkeley, Biochemistry  
 TELLER, DAVIDA Y., Berkeley, Psychology  
 THIELE, ALAN G., Vacaville, Engineering  
 THOE, DALE W., Sunny Vale, Mathematics  
 THOMAS, DONALD, Morgan Hill, Chemistry  
 THOMASSEN, KEITH I., Stanford, Engineering  
 THOREN, VICTOR E., Los Angeles, Social Sciences  
 THORNTON, ROBERT M., Colfax, Botany  
 TURNER, GEORGE D., Alhambra, Earth Sciences  
 VER PLANCK, PETER, La Jolla, Engineering  
 VICTOR, JUDITH C., Los Angeles, Social Sciences  
 VIDAYER, WILLIAM E., Pacific Grove, Botany  
 VILLANUEVA, RICHARD C., San Fernando, Mathematics  
 VLASES, GEORGE C., Pasadena, Engineering  
 WAGNER, TERRY J., Albany, Engineering  
 WATTERS, GARY Z., Chico, Engineering  
 WEIL, JON D., Davis, Genetics  
 WEILER, JOHN H., Jr., Berkeley, Botany  
 WEILL, DANIEL F., Berkeley, Earth Sciences  
 WEINSTEIN, SANDRA, Los Angeles, Mathematics  
 WERSEL, ORTWIN A., Los Angeles, Chemistry  
 WIGLEY, NEIL M., Berkeley, Mathematics  
 WILLEMSSEN, ELEANOR W., Palo Alto, Psychology  
 WILLIAMSON, ROBERT E., Albany, Mathematics  
 WILLIS, EDWIN O., Berkeley, Zoology  
 WILSON, WALTER D., Berkeley, Engineering  
 WIRTH, JAMES F., San Francisco, Mathematics  
 WITTE, ALFRED H., Jr., Redwood City, Engineering  
 WULFF, DANIEL L., Arcadia, Chemistry  
 YOUNG, RAYMOND G., San Francisco, Engineering

YURA, HAROLD T., Pasadena, Physics  
 ZISK, STANLEY H., Stanford, Engineering

#### Cooperative Graduate

ACKERMAN, CHARLES D., Los Angeles, Social Sciences  
 ANDERSON, DONALD W., Van Nuys, Mathematics  
 ATKINSON, REILLY, III, Palo Alto, Physics  
 BALL, RALPH W., Glendale, Mathematics  
 BOHN, ROBERT K., Sebastopol, Chemistry  
 BOTTGER, GARY L., Los Angeles, Chemistry  
 BROWN, MELANCTHON S., Stanford, Chemistry  
 BUCHHOLZ, JERRY R., Albany, Chemistry  
 BUTERA, RICHARD A., Albany, Chemistry  
 CALFEE, ROBERT C., Los Angeles, Psychology  
 CARTER, BENJAMIN P., Berkeley, Mathematics  
 CAULEY, JOSEPH M., Pasadena, Physics  
 CERSETO, SHIRLEY, Anaheim, Social Sciences  
 CHONG, DELANO P., San Francisco, Chemistry  
 COCCHIARELLA, NINO B., Los Angeles, Social Sciences  
 COCIVERA, MICHAEL, Los Angeles, Chemistry  
 COHEN, DAVID H., Berkeley, Psychology  
 COOPER, HARRISON R., La Mirada, Engineering  
 DAVIES, IRVEN W., Jr., Reedley, Chemistry  
 DELEY, GARY W., Menlo Park, Engineering  
 EAKIN, DAVID M., Berkeley, Physics  
 GERONIMO, JOSEPH, Dixon, Botany  
 GRAGG, WILLIAM B., Jr., Los Angeles, Mathematics  
 GRONER, GABRIEL F., Los Angeles, Engineering  
 GROSS, FLETCHER I., La Canada, Mathematics  
 HALE, ALFRED W., Pasadena, Mathematics  
 HALSETH, MARTIN W., Walnut Creek, Engineering  
 HALSTEAD, SALLY, San Diego, Mathematics  
 HANSEN, HENRY K., Berkeley, Astronomy  
 HARTMANN, RICHARD W., Santa Monica, Genetics  
 HEATH, JAMES M., San Francisco, Mathematics  
 HINTCH, MELVIN J., Menlo Park, Mathematics  
 HOWARD, CHARLES M., Los Angeles, Mathematics  
 JANTSCHER, GERALD R., Fontana, Social Sciences  
 JEWETT, ROBERT I., Venice, Mathematics  
 KENNEDY, ROBERT P., La Canada, Engineering  
 KITTLE, PAUL A., Berkeley, Chemistry  
 KLEIN, HARVEY S., Berkeley, Chemistry  
 KRUSE, ROBERT L., Upland, Mathematics  
 LACY, CURTIS E., Angwin, Physics  
 LEIBOVITZ, SARANE G., Pacific Palisades, Anthropology  
 LOCKARD, ROBERT B., Bakersfield, Psychology  
 LUMPKIN, OSCAR J., Los Angeles, Physics  
 MAGEE, PATRICK M., Palo Alto, Engineering  
 MAH, RAYMOND W., San Francisco, Chemistry  
 MANGO, FRANK D., Stanford, Chemistry  
 MASTERS, GILBERT M., Los Angeles, Engineering  
 MOCHIZUKI, HORACE Y., Madera, Mathematics  
 NAZAROFF, GEORGE V., San Francisco, Chemistry  
 NEARING, JAMES C., Hawthorne, Physics

NILSON, MATS C., San Diego, Engineering  
 NORDTVEDT, KENNETH L., Jr., Redwood City, Physics  
 NORRIS, JAMES A., Berkeley, Chemistry  
 OLMSTED, JOHN D., Riverside, Biology  
 O'MALLEY, MICHAEL H., Agoura, Social Sciences  
 OSGOOD, CHARLES F., Berkeley, Mathematics  
 OUELLETTE, ROBERT J., Albany, Chemistry  
 PARKER, ROBERT A., Monterey Park, Astronomy  
 PATTERSON, JOHN D., Berkeley, Engineering  
 PETERSEN, CARL F., Geyserville, Earth Sciences  
 RICHARDS, WILLIAM R., Atascadero, Chemistry  
 RIDER, DANIEL G., Santa Ana, Mathematics  
 RIGGS, ARTHUR D., San Bernardino, Biochemistry  
 ROBERTSON, JAMES C., Santa Barbara, Engineering  
 ROELOFF, EDMOND C., Granada Hills, Physics  
 RUECKER, MICHAEL R., Pasadena, Engineering  
 SKARDA, RALPH V., Jr., Covina, Mathematics  
 SOULE, MICHAEL E., Palo Alto, Biology  
 SPAID, FRANK W., Altadena, Engineering  
 STARK, HAROLD M., Glendale, Mathematics  
 STAUFFER, PETER H., Palo Alto, Earth Sciences  
 STELMAN, DAVID, Berkeley, Chemistry  
 THACHER, PHILIP D., Orinda, Physics  
 THEOBALD, WILLIAM L., Los Angeles, Botany  
 THISSL, FRANK B., Palo Alto, Mathematics  
 TUCKER, VANCE A., Los Angeles, Biology  
 WEISS, ROBERT J., Empire, Mathematics  
 WEISSENBERGER, STEIN, Mountain View, Engineering  
 WILKINSON, JOHN F., Sausalito, Mathematics  
 WINN, WILLIAM P., Arcadia, Physics  
 YALE, IRL K., Berkeley, Mathematics

*Summer Fellowships for Graduate Teaching Assistants*

CHIAPPINO, LEFRAN M., San Jose, Zoology  
 COCCHIARELLA, NINO B., Los Angeles, Social Sciences  
 COSTANZA, JAMES L., Martinez, Engineering  
 BEUS, STANLEY S., Los Angeles, Earth Sciences  
 BLACK, STUART E., Los Angeles, Mathematics  
 BLATT, HARVEY, Culver City, Earth Sciences  
 CRAPO, LAWRENCE M., Porterville, Chemistry  
 DAVIS, BRIANT L., Culver City, Earth Sciences  
 DAVIS, HENRY W., Beverly Hills, Mathematics  
 DEWOLF, MARY Y., San Marino, Chemistry  
 FICKES, GARRY N., Oakland, Chemistry  
 FOSTER, EDWARD M., Campbell, Social Sciences  
 FRANKLIN, STANLEY P., Los Angeles, Mathematics  
 GAUDET, JOHN J., Berkeley, Botany  
 GILMOUR, ERNEST H., Norwalk, Earth Sciences  
 GLUSKOTER, HAROLD J., Berkeley, Earth Sciences  
 GRIFFIN, JAMES R., Watsonville, Botany  
 HADLEY, ELMER B., Santa Barbara, Biology  
 HALPERN, JAMES D., Berkeley, Mathematics  
 HALSTEAD, SALLY, San Diego, Mathematics  
 HARVILL, LEE L., Los Angeles, Earth Sciences  
 HEATH, ALAN G., Palo Alto, Physiology  
 JUNKER, LEROY V., Pasadena, Mathematics  
 KLIKOFF, LIONEL G., Santa Monica, Biology  
 KRUSE, ROBERT L., Upland, Mathematics

LAWRENCE, JOHN F., Oakland, Zoology  
 MCKEE, EDWIN H., Berkeley, Earth Sciences  
 MEEKER, LOREN D., Redwood City, Mathematics  
 METZGER DARRYL E., Salinas, Engineering  
 MOCHIZUKI, HORACE Y., Madera, Mathematics  
 NOWER, LEON, Mountain View, Mathematics  
 O'CONNOR, PATRICK D., Oakland, Zoology  
 PARKINSON, MICHAEL T., San Francisco, Physics  
 PENE, JACQUES J., Los Angeles, Microbiology  
 PITMAN, PAUL M., Jr., Castro Valley, Botany  
 SWANSON, JOHN R., Albany, Botany  
 SWANSON, TERRY B., Palo Alto, Chemistry  
 TYLER, JAMES C., Stanford, Zoology  
 VASILEVSKIS, JANIS, Mt. Hamilton, Chemistry  
 ROISEN, BENJAMIN A., Berkeley, Mathematics  
 ROWE, MARY E., Sacramento, Zoology  
 RYFF, JOHN V., Palo Alto, Mathematics  
 WEBER, GERALD I., Los Angeles, Social Sciences  
 WEISSBERG, BYRON G., Los Angeles, Earth Sciences  
 WERTHEIM, JANE A., Stanford, Psychology

*Postdoctoral*

AUGUST, GERALD, Berkeley, Physics  
 BACHRYTA, PAUL, San Francisco, Physiology  
 BLATTNER, ROBERT J., Los Angeles, Mathematics  
 BRANTON, DANIEL, Berkeley, Botany  
 BRESLER, BORIS, Berkeley, Engineering  
 BROSEMER, RONALD W., Oakland, Biochemistry  
 BROWN, LOWELL S., Visalia, Physics  
 DEAYER, BASCOM S., Jr., Palo Alto, Physics  
 DUFFY, WILLIAM T., Jr., Santa Clara, Physics  
 EASTMAN, JOHN W., Berkeley, Chemistry  
 EHLERS, VERNON J., Berkeley, Physics  
 EMBREE, ROBERT W., Berkeley, Botany  
 EMERY, THOMAS F., San Anselmo, Biochemistry  
 ENRIGHT, JAMES T., San Diego, Zoology  
 FISH, ROBERT A., Los Altos, Astronomy  
 FOX, RAYMOND, Oakland, Physics  
 GLASEL, JAY A., San Diego, Chemistry  
 GODDARD, JOE D., Albany, Engineering  
 GORDON, MALCOLM S., Pacific Palisades, Physiology  
 GREENBERG, MARVIN J., Berkeley, Mathematics  
 HANLON, MARY S., Berkeley, Biochemistry  
 HAYES, ROBERT G., Berkeley, Physics  
 HBARST, JOHN E., Pasadena, Chemistry  
 HEIN, GEORGE E., Pasadena, Chemistry  
 HODGE, PAUL W., Pasadena, Astronomy  
 HREN, JOHN A., Stanford, Engineering  
 IRVINE, WILLIAM M., Beverly Hills, Astronomy  
 JAY, EDWARD J., Berkeley, Anthropology  
 JORDAN, PETER C., Los Angeles, Chemistry  
 KARAKASHIAN, MARLENE W., Los Angeles, Biochemistry  
 KRAUSE, DALE C., Lakewood, Oceanography  
 LINGREL, JERRY B., Pasadena, Biochemistry  
 ORBACH, RAYMOND L., Los Angeles, Physics  
 ORDRONNEAU, CHARLES E., Monterey Park, Chemistry  
 PINCUS, PHILIP A., Albany, Physics  
 REPLOGLE, LANNY L., Ventura, Chemistry  
 RHODES, ROBERT S., Stanford, Physics  
 RICHARDS, ELMER G., Berkeley, Biochemistry  
 SCHMITZ, FRANCIS J., Berkeley, Chemistry

SCOTT, PETER L., La Jolla, Physics  
SPARKS, MARSHALL S., Jr., Berkeley, Physics  
SUNDSTEN, JOHN W., Escondido, Medical Sciences  
WILSON, BRAYTON F., Berkeley, Botany  
WURTELE, MORTON G., Santa Monica, Meteorology  
ZALKIN, HOWARD, Davis, Biochemistry  
ZIMMERMAN, JACK M., Woodland Hills, Mathematics

#### Senior Postdoctoral

ADAMSON, ARTHUR W., Los Angeles, Chemistry  
BALLOU, CLINTON E., Berkeley, Biochemistry  
CHERNOFF, HERMAN, Stanford, Mathematics  
COHN, MELVIN, Stanford, Biochemistry  
COMBRY, ANDREW L., Los Angeles, Psychology  
CUPPS, PERRY T., Davis, Physiology  
GLASER, DONALD A., Berkeley, Biophysics  
GROSSMAN, LAWRENCE M., Berkeley, Engineering  
HAHN, ERWIN L., Berkeley, Physics  
JENDEN, DONALD J., Los Angeles, Biophysics  
KENDRICK, JAMES B., Jr., Riverside, Botany  
KLINE, STEPHEN J., Stanford, Engineering  
KRIEGER, ALEX D., Riverside, Social Sciences  
NELSON, CLEMENS A., Los Angeles, Earth Sciences  
NOYES, ROBERT W., Stanford, Medical Sciences  
PRAUSNITZ, JOHN M., Berkeley, Engineering  
RASMUSSEN, JOHN O., Jr., Berkeley, Physics  
SCOTT, ROBERT L., Los Angeles, Physics  
STUMPF, PAUL K., Davis, Biochemistry  
WHITE, R. STEPHEN, Berkeley, Physics

#### Science Faculty

ACOSTA, ALLAN J., Pasadena, Oceanography  
BENSON, RUSSELL V., Long Beach, Mathematics  
BOOS, FRED LEWIS, Jr., Chico, Physics  
BOYER, WILLIAM E., Upland, Physics  
CLIFGARD, ROY G., Lancaster, Biology  
COLE, FRANKLYN W., San Jose, Meteorology  
GABRIEL, LESTER H., Sacramento, Engineering  
GLEN, WILLIAM, San Mateo, Earth Sciences  
HALBERG, C. J. A., Jr., Riverside, Mathematics  
HANES, TED L., Azusa, Botany  
HOLTZ, WALTER E., San Dimas, Engineering  
INGLIS, STUART J., Berkeley, General Science  
JONES, DONLAN F., Santa Clara, Engineering  
LOCKLEY, JEANETTE E., Oakland, Mathematics  
LONG, ROBERT W., El Camino, Biochemistry  
MAYBURY, ROBERT H., Redlands, Chemistry  
MILLER, JACK C., Claremont, Physics  
MONTGOMERY, DAVID H., San Dimas, Zoology  
O'BRIEN, SR. MARIE T., Belmont, Biochemistry  
PHILLIPS, EDWIN A., Claremont, Botany  
PRATHER, RONALD E., San Jose, Mathematics  
RICHARDSON, NEAL A., Los Angeles, Engineering  
SCHULTE, CRAMER W., Long Beach, Physics  
SHACKLETT, ROBERT L., Fresno, Physics  
SICULAR, GEORGE M., San Jose, Engineering  
VENUTI, WILLIAM J., San Jose, Engineering  
WILLIS, DAVID L., Fullerton, General Science

#### Summer Fellowships for Secondary School Teachers

ANSON, HERBERT F., Ventura, Mathematics  
BEEMAN, ROBERT DAVID, Walnut, Zoology  
BLOSSER, JOHN E., San Diego, General Science  
BREHMER, ROGER B., Oakland, General Science  
BRENNAN, SR. M. ELAINE, San Rafael, General Science  
BRYANT, HARRY DELWYN, Davis, Zoology  
CLARK, BURNICE V., Bakersfield, Mathematics  
COMMINS, SR. M. VICTORIA, San Francisco, Biochemistry  
DAVID, IRA A., Brea, General Science  
ENYART, JESSIE JAMES, Dorris, Mathematics  
FASSELL, GERALD N., Culver City, Botany  
FELDMAN, BERNARD, Canoga Park, Mathematics  
GAFFNEY, SR. ELEANOR M., Belmont, Zoology  
GUNSTREAM, STANLEY E., Pasadena, Biology  
HAINLINE, VAN KEITH, San Bernardino, Biology  
HARDEN, WILLARD W., El Segundo, Zoology  
HEGJI, RONALD R., Redding, Mathematics  
HERMSMEIER, KENNETH R., Bakersfield, Mathematics  
HYATT, HERMAN R., Los Angeles, Mathematics  
JOHNSON, VIRGINIA MAE, Monterey, Mathematics  
KARLIN, SOL ALLEN, Reseda, Botany  
KIFER, JACK RUDOLPH, Van Nuys, Mathematics  
KILPATRICK, JEREMY, Berkeley, Mathematics  
LAURENZANA, LOUIS G., San Diego, Biology  
MAGNUSSON, LLOYD N., La Mirada, Chemistry  
NELSON, CARL C., Sanger, Biology  
PARKER, JOHN O., Palo Alto, Mathematics  
RAHFORD, SR. M. ROSE D., Oakland, Mathematics  
SEARCEY, BERNARD E., San Bernardino, Zoology  
SIEBERT, MERLE M., Fresno, Mathematics  
TREITMAN, STANLEY S., Colton, General Science  
WARD, HARRY JOHNSON, Bakersfield, Mathematics  
WILSON, CHARLES ORIN, Manhattan Beach, Zoology  
WOODHEAD, ROBERT JAMES, Sutter, General Science

#### COLORADO

##### Graduate

BAKER, M. MICHELLE, Boulder, Zoology  
BARTH, THEODORE J., Colorado Springs, Mathematics  
CLARK, LOWELL E., Fort Collins, Engineering  
CORNWALL, JOHN M., Denver, Physics  
DAILY, DIXIE L., Lakewood, Genetics  
DEWEY, CLARENCE F., Jr., Pueblo, Engineering  
GRAUE, DENNIS J., Wheat Ridge, Engineering  
HAWLEY, CHARLES C., Lakewood, Earth Sciences  
HEATHCOCK, CLAYTON H., Boulder, Chemistry  
IRWIN, HENRY J., Denver, Anthropology  
KJELDGAARD, EDWIN A., Brush, Chemistry  
KRIEGER, HENRY A., Denver, Mathematics  
MCKINNIS, RALPH W., Boulder, Mathematics  
PICKEN, JAMES S., Loveland, Engineering  
SHIBB, GEORGE D., Golden, Chemistry  
STONE, GEORGE T., Cowdrey, Earth Sciences

TETTERER, ELOUISE S., Denver, Genetics  
WEBB, GEORGE D., Denver, Physiology  
WISMAN, JOHN R., Boulder, Chemistry

#### *Cooperative Graduate*

BIRKY, CARL W., Jr., Fort Collins, Zoology  
EHN, DENNIS C., Ault, Physics  
FRANK, ERNEST C., Fort Collins, Agricultural  
Sciences  
GOLD, ANN, Greeley, Zoology  
HOCHMUTH, ROBERT M., Denver, Engineering  
SEELY, ALAN L., Boulder, Engineering  
WAGMAN, JAMES, Denver, Chemistry

#### *Summer Fellowships for Graduate Teaching Assistants*

CONNOR, JON J., Boulder, Earth Sciences  
GOLD, ANN, Greeley, Zoology  
MCCOY, CLARENCE J., Jr., Boulder, Zoology  
OVECHKA, CHARLOTTE A., Pueblo, Chemistry  
RAMALEY, LOUIS, Boulder, Chemistry  
SCHMIDT, GERALD D., Greeley, Zoology  
SCHMITZ, EUGENE H., Boulder, Zoology  
YOUNG, TIMOTHY M., Denver, Physics

#### *Postdoctoral*

AXE, JOHN D., Jr., Littleton, Chemistry  
SNYDER, GILBERT B., Denver, Medical  
Sciences  
SALZMAN, FREDA, Boulder, Physics

#### *Science Faculty*

BRIGGS, WILLIAM E., Boulder, Mathematics  
BUDAK, ARAM, Fort Collins, Engineering  
GLESS, GEORGE E., Jr., Boulder, Engineering  
GROSE, LUCIUS T., Colorado Springs, Earth  
Sciences  
MOODY, MARTIN L., Jr., Boulder, Engineering  
WOLFF, ERNEST N., Fort Collins, Earth  
Sciences

#### *Summer Fellowships for Secondary School Teachers*

BAKER, CLAUDE KENNETH, Englewood, Gen-  
eral Science  
BLUBAUGH, HAROLD E., Aurora, Chemistry  
JEFFRYES, JAMES A., Denver, Mathematics  
MORRISON, ROBERT G., Denver, Physics  
STEEN, MARSHALL T., Meeker, Earth Sciences

#### CONNECTICUT

##### *Graduate*

BALDWIN, DAVID E., West Hartford, Physics  
CARLETON, EDWARD J., Jr., West Hartford,  
Psychology  
CARROLL, VERN, Cambridge, Anthropology  
DOLLARD, JOHN D., New Haven, Physics  
DUNNING, JOHN R., Jr., Sherman, Physics  
FLYNN, GEORGE W., Jr., Hartford, Chem-  
istry  
FULTON, WILLIAM E., Darien, Mathematics  
GARVEY, GERALD T., New Haven, Physics  
GAUTHIER, HOWARD L., Jr., Meriden, Social  
Sciences  
JOHNSTON, JOAN E., Ansonia, Zoology  
KENNEDY, STABRETT C., Guilford, Engineer-  
ing  
KLEY, RONALD J., New Britain, Earth  
Sciences  
LABINE, PATRICIA A., Somers, Zoology  
LASKER, BARRY M., West Hartford, Astron-  
omy  
LEBMAN, STEVEN H., Hartford, Physics  
MAGID, RONALD M., New Haven, Chemistry  
MASSO, JOSEPH F., Darien, Physics

MCCORD, MICHAEL C., New Haven, Mathe-  
matics  
MERMIN, JOEL L., New Haven, Mathematics  
MURCH, ROBERT E., New London, Engineer-  
ing  
NEWSOM, GERALD H., New Fairfield, Astron-  
omy  
PALMER, PAUL, New Haven, Chemistry  
PEASE, ROGER W., New Britain, Zoology  
RANNELS, LYNN K., Seymour, Chemistry  
SHAMROTH, STEPHEN J., West Hartford, En-  
gineering  
SHIELDS, ROBERT M., Jr., Darien, Earth  
Sciences  
SUPLINSKAS, RAYMOND J., Hartford, Chem-  
istry  
TOTH, LOUIS E., Easton, Engineering  
TURBO, NICHOLAS J., Jr., Middletown,  
Chemistry  
VIMMERSTEDT, JOHN P., New Haven, Agri-  
cultural Sciences  
WALLACE, JOHN R., New Haven, Mathematics

##### *Cooperative Graduate*

BRANDT, RICHARD G., Bristol, Physics  
DIMMOCK, DAVID K., Waterford, Engineering  
DIMMOCK, JOHN O., Branford, Physics  
FREDMAN, DANIEL Z., West Hartford,  
Physics  
KERMES, JANE A., Darien, Earth Sciences  
MCDONALD, JAMES R., Wilton, Social Sci-  
ences  
MODELL, MICHAEL, New Haven, Engineering  
PERKINS, FRANCIS W., Jr., West Hartford,  
Physics  
SWEET, MERRILL H., Storrs, Zoology  
URIANO, GEORGE A., Waterbury, Physics

##### *Summer Fellowships for Graduate Teaching Assistants*

BOCCALATTE, ROSEMARY L., Hartford, Bio-  
chemistry  
CATHY, WADE T., Jr., Branford, Engineer-  
ing  
LIPMAN, PETER W., Cannondale, Earth Sci-  
ences  
JONES, MAITLAND, Jr., New Haven, Chem-  
istry  
KERMES, JANE A., Darien, Earth Sciences  
MCCALLUM, MALCOLM E., Burlington, Earth  
Sciences  
OREHOTSKY, RICHARD S., Coventry, Chem-  
istry  
ORMSBY, ELIZABETH L., Niantic, Psychology  
STANLEY, ROLFE S., Cheshire, Earth Sciences

##### *Postdoctoral*

GRAHAM, JOHN D., New Haven, Chemistry  
QUINTON, ARTHUR R., Hamden, Physics  
MERMIN, N. DAVID, New Haven, Physics  
WATTS, HAROLD W., Cheshire, Social Sci-  
ences

##### *Science Faculty*

EDELMAN, RAYMOND B., New Haven, Engi-  
neering  
KATZ, LEWIS, Storrs, Chemistry  
RESCHOVSKY, HELENE, Storrs, Mathematics

##### *Summer Fellowships for Secondary School Teachers*

BERUBE, SR. CLAIRE P., New London, Biology  
CAFFEL, DAN, Wilton, Botany  
CARLOW, CHESTER D., Branford, Mathe-  
matics

DI BLASI, SR. ST. M. ANTHONY, Stamford, Biology  
GUILBAULT, SR. ST. LUCILLE, Stamford, Mathematics  
POWELL, JOHN J., Clinton, General Science  
STONE, GEORGE NORTON, Lakeville, Mathematics

#### DELAWARE

##### Graduate

DAY, BENJAMIN D., Newark, Physics  
JORDAN, DAVID M., Wilmington, Chemistry  
KING, MERRILL K., Claymont, Engineering  
LOOMIS, HERSCHEL H., Jr., Wilmington, Engineering  
TURNER, LAURA H., Wilmington, Chemistry

##### Cooperative Graduate

BOLLINGER, ROBERT E., Newark, Engineering  
CHICHESTER, RICHARD, Wilmington, Mathematics  
HEINDEL, NED D., Newark, Chemistry  
HYNES, THOMAS V., Wilmington, Physics  
SCHULTZ, ABRAHAM, Felton, Physics  
WEBER, CAROLYN J., New Castle, Zoology

##### Summer Fellowships For Graduate Teaching Assistants

BRETZGER, DONALD, Newark, Chemistry  
READ, HAROLD E., Newark, Engineering

##### Summer Fellowships for Secondary School Teachers

MAHAN, RALPH EUGENE, Seaford, Mathematics  
MITCHELL, MO. FRANCES DE SALES, Wilmington, Biology

#### DISTRICT OF COLUMBIA

##### Graduate

BELSLEY, DAVID A., Social Sciences  
DARLEY, JOHN M., Psychology  
EASTON, WILLIAM B., Mathematics  
FISHER, GEORGE W., Earth Sciences  
HAYMAKER, RICHARD W., Physics  
MACNAMARA, JOHN P., Zoology  
MUCKENTHALER, FLORIAN, Zoology  
MUNROE, MARIAN H., Botany  
MYERS, GARDINER H., Chemistry  
RINEHART, GEORGE S., Mathematics  
SENTURIA, STEPHEN D., Physics  
SHEPLEY, LAWRENCE C., Physics  
WILSON, KENT R., Chemistry

##### Cooperative Graduate

BELLMER, ELIZABETH H., Zoology  
GILLILLAND, KITT E., Engineering  
GOLAB, THOMAS J., Engineering  
GRAY, CHARLES A., Engineering  
MARLOW, ADDICKS R., Physics  
YOUNG, FRANK C., Physics

##### Summer Fellowships for Graduate Teaching Assistants

BARNHART, JAMES W., Biochemistry  
FELTON, RONALD H., Chemistry  
MUNROE, MARIAN H., Botany  
PRIBOR, DONALD B., Zoology

##### Postdoctoral

ROLLER, ANN, Biophysics

##### Senior Postdoctoral

SNOW, GEORGE A., Physics

##### Science Faculty

FERGUSON, LLOYD N., Chemistry

##### Summer Fellowships for Secondary School Teachers

FRITSCH, SR. MARY CLARE, Biology  
MAURY, MARGARET H., General Science  
MCKEON, BRO. EUGENE PETER, Chemistry  
MCNABB, SR. M. DE SALES, Mathematics

#### FLORIDA

##### Graduate

ASH, MICHAEL E., Punta Gorda, Mathematics  
BRANDON, NANCY E., Tampa, Biochemistry  
COBB, JOHN I., III, Tallahassee, Mathematics  
DUTKO, MICHAEL P., Miami Beach, Mathematics  
ECHOLS, RONALD J., Naples, Earth Sciences  
FOGEL, JOSEPH S., Pompano Beach, Chemistry  
GRESENS, RANDALL L., Tallahassee, Earth Sciences  
HARVEY, CHARLES M., Atlantic Beach, Mathematics  
HOWARD, JAMES H., III, Daytona Beach, Earth Sciences  
JONES, JANET G., Vero Beach, Chemistry  
KLAGES, KARLENE C., Ft. Lauderdale, Physics  
KUHN, HARLAND L., Hawthorne, Engineering  
KUNTZ, IRWIN D., Jr., Miami Shores, Chemistry  
LAMBERT, JERRY R., Live Oak, Engineering  
MINNICK, JOHN H., Gainesville, Mathematics  
NEALY, DAVID L., Sarasota, Chemistry  
ROBERTS, CHARLES S., Miami, Physics  
SCHAAF, HOMER D., Lake Wales, Physics  
SHOLTES, ROBERT S., Gainesville, Engineering  
STARCK, WALTER A., II, Miami, Biology  
TRIPLETT, MELVIN E., Tallahassee, Engineering  
WALKER, LOREN H., Jacksonville, Engineering  
WELLS, JOHN C., Jr., Winter Haven, Physics

##### Cooperative Graduate

BROWN, THOMAS V., Ocala, Psychology  
GOODMAN, ROE W., Lakeland, Mathematics  
HOLMES, DOUGLAS, Venice, Psychology  
LADO, FRED, Tampa, Physics  
LUCAS, THOMAS R., Tampa, Mathematics  
LUNDBERG, GAIL K., Orlando, Social Sciences  
LYSEK, AMELIA J., Tampa, Social Sciences  
MAILEN, JAMES C., Gainesville, Engineering  
MCKINLEY, MARVIN D., Gainesville, Engineering  
SCHAPIRO, HARRIETTE C., Miami, Biochemistry  
SHAMPINE, LAWRENCE F., Ocala, Mathematics  
SMITH, DOUGLAS B., Gainesville, Engineering  
WHITE, HELEN L., Pensacola, Psychology  
WHITTEN, JERRY L., Bartow, Chemistry



*Summer Fellowships for Graduate Teaching Assistants*

ALLEN, TED T., Miami, Zoology  
BELSHÉ, JOHN F., Miami, Biology  
BENNETT, CARL M., Panama City, Mathematics  
BRILL, EARL, Miami, Chemistry  
FACKLAM, RICHARD R., Tallahassee, Microbiology  
GOLDSTEIN, JUDITH F., Miami, Psychology  
GOODMAN, ALAN L., Miami Beach, Chemistry  
HIGBEE, PAUL N., St. Petersburg, Astronomy  
INSEL, ARNOLD J., Hollywood, Mathematics  
MARCUS, ALVIN B., Miami Beach, Chemistry  
SELDEN, JOHN, Coral Gables, Mathematics  
STRICKLAND, MILDRED, Bristol, Microbiology

*Postdoctoral*

BOND, FREDERICK T., Tavernier, Chemistry  
CARROLL, JOHN D., Jacksonville, Psychology  
MARVIN DONALD A., Dunedin, Biology  
SCHUSTERMAN, RONALD J., Orange Park, Psychology  
WOOD, RICHARD F., Gainesville, Physics

*Science Faculty*

BROOKS, HAROLD K., Gainesville, Earth Sciences  
LORENZEN, FRED J., Jr., Gainesville, Mathematics  
MAYER, THOMAS C., Ft. Lauderdale, Biology  
RICE, CHARLES R., Tampa, Chemistry  
SHAFFER, CHARLES V., Gainesville, Engineering

*Summer Fellowships for Secondary School Teachers*

ARDOIN, BRO. MICHAEL D., Miami, Biology  
BROUSE, BETTY JEAN, Vero Beach, Biology  
CAMPBELL, ROY F., Ft. Lauderdale, Biology  
EINEM, GERALD EUGENE, Melbourne, Biochemistry  
FARMER, JOE ALLEN, Panama City, Botany  
HAYGOOD, AUSTIN NIMROD, Sarasota, Mathematics  
MARTIN, JOEL MANN, Key West, Biology  
MOHR, PAUL B., St. Petersburg, Mathematics  
O'BRIEN, LELAND M., Summerfield, Biology  
WHITTON, ETTA MAE, Tallahassee, Mathematics  
WOOLEYER, JOHN D., Sarasota, Biology  
WORTHINGTON, CAROLYN B., Miami, Mathematics

**GEORGIA**

*Graduate*

BRAMBLETT, JERRY E., Smyrna, Mathematics  
DELANEY, VINCENT M., Atlanta, Physics  
FERRIS, VIRGINIA W., Augusta, Medical Sciences  
FLOYD, MIDDLETON B., Decatur, Chemistry  
HALL, ZACH W., Atlanta, Physiology  
HARRIS, GRADY W., Atlanta, Engineering  
HOLLEY, EDWARD R., Jr., Atlanta, Engineering  
MORGAN, WILLIAM J., Savannah, Physics  
SHEATS, JOHN E., East Point, Chemistry  
SULLINS, WALTER R., Jr., Atlanta, Psychology  
TAYLOR, SANDRA D., Arlington, Botany  
WOODS, ROBERT C., Atlanta, Chemistry

*Cooperative Graduate*

ANDERSON, WYATT W., Brunswick, Genetics  
BURDICK, ROBERT O., Decatur, Mathematics

FRAHM, CHARLES P., Atlanta, Physics  
JOHNSON, ELLIS L., Athens, Mathematics  
LINEBERGER, WILLIAM C., Atlanta, Engineering  
MELLICHAMP, DUNCAN A., Jr., Toccoa, Engineering  
SACKER, ROBERT J., Doraville, Mathematics  
TERRY, CLAUDE E., Jr., Cumming, Genetics

*Summer Fellowships for Graduate Teaching Assistants*

HILLIARD, SAM B., Bowersville, Earth Sciences  
SULLINS, WALTER R., Jr., Atlanta, Psychology  
WALTER, WILLIAM M., Jr., Athens, Chemistry

*Postdoctoral*

JOHNSON, CHARLES S., Jr., Albany, Chemistry  
PROSSER, FRANKLIN P., Atlanta, Chemistry

*Senior Postdoctoral*

MAY, GEORGE D., Atlanta, Engineering  
VINCENT, JOSEPH F., Milledgeville, Chemistry

*Summer Fellowships for Secondary School Teachers*

DELOACH, JESSIE C., Folkston, Mathematics  
FLEMING, MYRTLE M., Franklin Springs, Zoology  
POLLER, FRANCINE I., Waycross, Mathematics  
SHARROCK, RUTH Y., Smyrna, Mathematics  
WILSON, MONTINE C., Cartersville, General Science

**HAWAII**

*Graduate*

GARCIA, RAYMOND A., Aiea, Mathematics  
STORY, ALFRED E., Maui, Engineering  
TAKASHIMA, HERBERT T., Lahaina Maui, Chemistry

*Cooperative Graduate*

JAY, BARBARA K., Honolulu, Physics  
SATO, RALPH I., Honolulu, Physics  
TSUNODA, JOYCE S., Honolulu, Biochemistry

*Summer Fellowships for Graduate Teaching Assistants*

MORRISON, CARL R., Honolulu, Anthropology

*Science Faculty*

CHIU, ARTHUR N., Honolulu, Engineering

**IDAHO**

*Graduate*

AMUNDSEN, CLIFFORD C., Pocatello, Botany  
BURDICK, GLENN A., Pocatello, Physics  
CHOULES, GEORGE L., Twin Falls, Biochemistry  
EVANS, DENNIS R., Alameda, Engineering  
MACKI, JACK W., Mullan, Mathematics  
METTER, DEAN E., Moscow, Zoology  
MURPHY, CAROL J., Twin Falls, Anthropology

*Cooperative Graduate*

BOBISUD, LARRY E., Midvale, Physics  
CONANT, DONALD R., Jr., Caldwell, Chemistry  
IRVING, GEORGE B., Moscow, Engineering  
WRIGHT, JAMES R., Gooding, Chemistry

**Summer Fellowships for Graduate Teaching Assistants**

BRANDSBERG, JOHN W., Moscow, Botany  
METTER, DEAN E., Moscow, Zoology  
STECKER, RONALD E., Moscow, Zoology  
STEWART, DONALD G., Pocatello, Mathematics

**Science Faculty**

BARNES, WILLIAM P., Moscow, Engineering  
MAXWELL, LEE M., Moscow, Engineering

**ILLINOIS**

**Graduate**

ADAMS, ARTHUR C., Robinson, Chemistry  
ALBERTS, BRUCE M., Highland Park, Biophysics  
ANDRES, RONALD P., Elmhurst, Engineering  
ANGER, FRANK D., Glen Ellyn, Mathematics  
ARNOLD, RICHARD C., Chicago, Physics  
AUST, RICHARD B., Elmhurst, Engineering  
AUVIL, PAUL R., Jr., Wayne, Physics  
BACON, PHILIP, Wheaton, Mathematics  
BALDWIN, JOHN E., Oak Park, Chemistry  
BARNES, WILLIAM C., Glen Ellyn, Earth Sciences  
BRANDT, KARL G., Park Forest, Chemistry  
BROOKS, PHILIP R., Hazel Crest, Chemistry  
BRUCE, LUDWIG W., Winnebago, Physics  
CALNEK, EDWARD E., Chicago, Anthropology  
CARTER, RICHARD A., Evanston, Physics  
CARHART, JEAN E., Urbana, Anthropology  
CHANOT, GEORGE E., Jr., Decatur, Zoology  
COLEMAN, SIDNEY R., Chicago, Physics  
COLLINS, FRANK G., Evanston, Engineering  
CONDON, JOSEPH H., Evanston, Physics  
CONNOLLY, YVONNE I., Evanston, Biochemistry  
COPPOLA, PATRICIA T., Greenville, Zoology  
CRAIN, ROBERT L., Chicago, Social Sciences  
CUMMINS, JAMES N., Dix, Botany  
CUSHING, JAMES T., Chicago, Physics  
DAVIS, MICHAEL M., Peoria, Astronomy  
DAY, MAHLON M., Urbana, Mathematics  
DONAHUE, JACK D., West Chicago, Earth Sciences  
DONOVAN, THOMAS A., Champaign, Chemistry  
DOUGHERTY, RALPH C., Scott Air Force Base, Chemistry  
EDDIN, MICHAEL A., Chicago, Zoology  
FAHEY, ROBERT C., Chicago, Chemistry  
FAIRBANKS, GRANT, Jr., Urbana, Biophysics  
FAY, ROBERT C., Urbana, Chemistry  
FRANZETTI, JUDITH C., Chicago, Biochemistry  
FREEMAN, SMITH Jr., Northfield, Physics  
GARLAND, JAMES W., Jr., Chicago, Physics  
GARRETT, VIRGINIA W., Champaign, Mathematics  
GOLIN, STUART J., Chicago, Physics  
GUSTAFSON, ROBERT D., Elmhurst, Engineering  
HALPERN, HERBERT P., Chicago, Mathematics  
HANOR, JEFFREY S., Arlington Heights, Earth Sciences  
HAPP, GEORGE M., Elsah, Zoology  
HETTINGER, THOMAS P., Aurora, Biochemistry  
HILL, ROBERT N., Evanston, Physics  
HOWE, ROBERT K., Kewanee, Chemistry  
HUDSON, JOHN L., Chicago, Engineering  
HUMPHREYS, TOM D., II, Chicago, Zoology  
HUNT, RICHARD L., Chicago, Chemistry  
JOHNSON, ROBERT P., Urbana, Chemistry  
JONES, ROBERT B., Raleigh, Physics

JULIAN, WILLIAM H., Winnetka, Engineering  
KERMICLE, JERRY L., Dundas, Genetics  
KEYSER, LEON F., Waukegan, Chemistry  
KLANDERMAN, BRUCE H., Urbana, Chemistry  
KLEMENT, WILLIAM, Jr., Bensenville, Physics  
KRAMER, SHELDON J., Chicago, Engineering  
LA ROI, GEORGE H., Winnetka, Biology  
LEDEBER, CHARLES M., Chicago, Chemistry  
LELAND, KENNETH O., Chicago, Mathematics  
LEUER, CONSTANCE J., Highland Park, Mathematics  
LOGAN, ROBERT K., Chicago, Physics  
LOHMAR, PHOEBE H., Galesburg, Biochemistry  
LOWRY, STEPHEN R., Chicago, Biochemistry  
LUBAN, MARSHALL, Chicago, Physics  
MADSEN, WAYNE A., Chicago, Engineering  
MAIER, WILLIAM B., II, Chicago, Physics  
MALVEN, PAUL V., Kingston, Physiology  
MASSEY, JAMES L., Ottawa, Engineering  
MCCORMICK, NORMAN J., Normal, Engineering  
MCCRIMMON, KEVIN M., Urbana, Mathematics  
MICHAEL, JOEL A., Skokie, Physiology  
MILGRAM, RICHARD J., Chicago, Mathematics  
MULLIN, MICHAEL M., Mt. Carroll, Biology  
MURPHY, Sr. M. NADINE, Chicago, Botany  
MURRAY, WILLIAM, Olympia Fields, Engineering  
NIEMEYER, GEORGE L., Jr., Lake Forest, Engineering  
OLCOTT, RICHARD J., Chicago, Chemistry  
PARKMAN, MARGARET A., Chicago, Social Sciences  
PATERSON, WILLIAM J., Kincaid, Engineering  
PERONE, SAM P., Rockford, Chemistry  
POWERS, RICHARD J., Oak Park, Physics  
PROST, MARILYN T., Chicago, Physics  
READEY, DENNIS W., Aurora, Engineering  
REESE, WILLIAM, Champaign, Physics  
REHM, RONALD G., Glenelg, Mathematics  
ROWND, ROBERT H., Chicago, Biophysics  
ROZYCKI, ALAN A., Chicago, Microbiology  
RUCH, LAUREL A., Belleville, Mathematics  
RUST, MILBERN J., Chicago, Mathematics  
SACKETT, JAMES R., Northbrook, Anthropology  
SCHAEFFER, ELMER J., Winnetka, Mathematics  
SCHMIDT, LANNY D., Zion, Chemistry  
SHEPARD, HARVEY K., Chicago, Physics  
SHULT, ERNEST E., Carbondale, Mathematics  
SIMON, NANCY J., Lagrange, Physics  
SMITHSON, SCOTT B., Glenview, Earth Sciences  
SODERBERG, ROGER H., Elgin, Chemistry  
STEBBINGS, JAMES H., Jr., East St. Louis, Biology  
STEPHEN, KEITH H., Evanston, Chemistry  
STEVENS, WILLIAM G., Urbana, Chemistry  
STRUNK, JACQUELINE D., Evanston, Psychology  
SWANK, ROBERT K., Urbana, Physics  
SWITZER, ROBERT L., Orangeville, Biochemistry  
TOBEY, ROBERT A., Urbana, Microbiology  
TOTTEN, STANLEY M., Champaign, Earth Sciences  
UEBBING, JOHN J., Chicago, Engineering  
VALBERT, JON R., Harvey, Engineering  
VANDELDEL, JOSEPH R., Chicago, Mathematics  
VANSTEE, SUZANNE C., Urbana, Zoology  
VOLT, RICHARD A., Woodstock, Engineering  
WAHL, ARNOLD C., Chicago, Chemistry  
WALTER, THEODORE A., Elmwood Park, Chemistry

WILDE, GEORGE R., West Chicago, Engineering  
WINDMILLER, LEE R., Skokie, Physics  
WOOD, ALLEN D., Palos Heights, Engineering  
YOUNG, PHILIP D., Downers Grove, Anthropology  
ZIMMERMAN, JOHN L., Champaign, Biology

#### *Cooperative Graduate*

ABRENKIEL, RICHARD K., Athens, Physics  
ANDERSON, JOHN, Chicago, Mathematics  
ARNOLD, ROBERT L., Chicago, Chemistry  
BAER, WALTER S., Glencoe, Physics  
BERLINER, JORDAN P., Chicago, Biochemistry  
BRYA, WILLIAM J., Chicago, Engineering  
CLEMENS, LAWRENCE M., Chicago, Chemistry  
COATES, ROBERT M., Palatine, Chemistry  
CRAIG, RICHARD A., Urbana, Physics  
CROOK, JOSEPH R., Chicago, Chemistry  
DOOLEN, GARY D., Riverside, Physics  
DRUMKE, JOHN S., Chicago, Botany  
DUDLEY, RICHARD M., Flossmoor, Mathematics  
FBIGL, FRANK J., Chicago, Physics  
GASSNER, RONALD L., Des Plaines, Engineering  
GRIFFIN, JOHN R., Du Quoin, Engineering  
HAGEN, CARL R., Chicago, Physics  
HENRY, CHARLES H., Urbana, Physics  
HOUSTON, ALEXANDRA L., Galesburg, Mathematics  
HUSTON, ROBERT B., Plainfield, Biochemistry  
INTERBRANTE, LEONARD V., Urbana, Chemistry  
JONES, ROBERT M., Urbana, Engineering  
JORDAN, ROBERT E., Chicago, Anthropology  
KAISER, JACK A. C., Chicago, Meteorology  
KASER, JOHN D., Lemont, Engineering  
KEENAN, WILLIAM M., Des Plaines, Social Sciences  
KIMBALL, ORVILLE F., Chicago, Engineering  
KIRK, FRANK A., Carbondale, Psychology  
LASAINE, ALFRED D., Chicago, Mathematics  
LEAF, RUSSELL C., Chicago, Psychology  
LEE, KATHARINE W., Chicago, Biochemistry  
LELLINGER, DAVID B., Naperville, Botany  
LIETS, GERRARD P., Chicago, Physics  
LINNERTUD, HAROLD J., Crystal Lake, Engineering  
LOCHRIE, WILLIAM D., Springfield, Engineering  
MARCUS, SHELDON H., Chicago, Chemistry  
MATHEWS, WESLEY N., Jr., Champaign, Physics  
MCMAHON, JOHN P., Chicago, Psychology  
MERSON, RICHARD L., Urbana, Engineering  
MIECH, RONALD J., Urbana, Mathematics  
MORTON, RICHARD A., Elmhurst, Physics  
MUIRHEAD, JAMES S., Elgin, Chemistry  
MURLEY, THOMAS E., Minooka, Engineering  
NEWMARK, RICHARD A., Urbana, Chemistry  
NUTTALL, RONALD L., Downers Grove, Psychology  
O'CONNELL, REV. DANIEL C., Decatur, Psychology  
O'CONNELL, EDWARD J., Jr., Evanston, Psychology  
OLSON, CLARK S., Elmhurst, Biology  
OFFER, JAMES E., Shobonier, Physics  
REEDER, THOMAS M., Champaign, Engineering  
ROSENKRANTZ, WALTER A., Chicago, Mathematics  
RUST, JAMES H., Pekin, Engineering  
RUTLEDGE, ROBERT B., III, East St. Louis, Mathematics  
SADAGURSKY, PAUL L., Urbana, Mathematics

SATHER, NORMAN F., Elmhurst, Engineering  
SCHROEDER, ROLF R., Chicago, Engineering  
SCHUYLER, WILLIAM M., Jr., Chicago, Social Sciences  
SCUDDER, CHARLES L., Chicago, Medical Sciences  
SHERMAN, MALCOLM J., Chicago, Mathematics  
SHOBMAKER, VAUGHAN H., Urbana, Zoology  
SIMS, LESLIE B., Urbana, Chemistry  
SINE, ROBERT C., Waukegan, Mathematics  
SPICER, LARRY D., Urbana, Chemistry  
SWENDSEN, JOANNE R., Pekin, Mathematics  
SWENSON, GEORGE W., Chicago, Chemistry  
SWIONTEK, MICHAEL C., Chicago, Engineering  
TRAPP, CHARLES A., Chicago, Chemistry  
VEATCH, ROBERT M., Evanston, Medical Sciences  
VILLAREJO, MEENA R., Chicago, Biochemistry  
VISCO, ROBERT E., Champaign, Chemistry  
WAGNER, PETER J., Wilmette, Chemistry  
WEINER, HOWARD J., Chicago, Mathematics  
WILSON, PAUL D., Chicago, Psychology  
WITT, GERALD L., Alton, Physics  
WOLF, LUDWIG, Jr., Chicago, Engineering

#### *Summer Fellowships for Graduate Teaching Assistants*

COHEN, MARSHALL M., Chicago, Mathematics  
COLLINS, THOMAS W., Murphysboro, Biology  
AIROPARULLA, JOEYLN M., Chicago, Psychology  
ALLGOWER, EUGENE L., Chicago, Mathematics  
BAER, WALTER S., Glencoe, Physics  
BARKER, JOHN L., Jr., Chicago, Chemistry  
BAUMAN, STEVEN F., Urbana, Mathematics  
BENING, RICHARD A., Elgin, Mathematics  
BINFORD, LAURENCE C., Glencoe, Zoology  
BREEN, WILLIAM J., DeKalb, Social Sciences  
BRUNZIE, GERALD F., Downers Grove, Chemistry  
CARLSON, DONALD E., Tampico, Engineering  
CRILEY, BRUCE B., Urbana, Zoology  
CULBERTSON, JON R., Wilmette, Zoology  
DAYTON, JAMES A., Jr., Chicago, Engineering  
FEIGL, FRANK J., Chicago, Physics  
FITZGERALD, ROBERT S., Chicago, Physiology  
GALE, DAVID M., Chicago, Chemistry  
HAMELINK, RONALD C., Chicago, Mathematics  
LELLINGER, DAVID B., Naperville, Botany  
LENN, PETER D., Evanston, Engineering  
LEVENBERG, MILTON L., Chicago, Chemistry  
MACLACHLAN, BRUCE B., Chicago, Anthropology  
MACRAE, ROBERT E., Chicago, Mathematics  
HULSEY, JESSIE D., Champaign, Earth Sciences  
KAENER, FRANK R., Champaign, Earth Sciences  
KAUFMAN, ERNEST D., Skokie, Chemistry  
LANGBERG, GEORGE, Urbana, Mathematics  
LARSON, PAUL Z., Rockford, Engineering  
LEAF, GARY K., Champaign, Mathematics  
MAGIN, RALPH W., Belleville, Chemistry  
MALAKER, DONALD L., Aurora, Physics  
MARCUS, SHELDON H., Chicago, Chemistry  
MIECH, RONALD J., Urbana, Mathematics  
MILLER, JAMES L., Urbana, Zoology  
NEMETH, EDWARD M., Chicago, Chemistry  
O'BRIEN, RONALD J., Chicago, Physics  
OLSON, JOHN E., Chicago, Mathematics  
OFFER, JAMES E., Shobonier, Physics  
PARISI, JOSEPH T., Chicago, Microbiology

PARKER, NANCY R., Antioch, Genetics  
PYE, GORDON B., Wheaton, Social Sciences  
TAX, SUSAN M., Chicago, Anthropology  
TOBEY, ROBERT A., Urbana, Microbiology  
REAM, CATHERINE H., Chicago, Biology  
RIGGS, ELLIOTT A., Urbana, Earth Sciences  
SINGER, RALPH M., Chicago, Engineering  
SODERBERG, ROGER H., Elgin, Chemistry  
STROHL, JOHN H., Chicago, Chemistry  
WALBRIDGE, EDWARD W., Libertyville, Physics  
WELLES, ROBERT M., Chicago, Engineering  
WERNSMAN, EARL A., Vernon, Genetics

#### *Postdoctoral*

BAKER, ROBERT H., Jr., Evanston, Biochemistry  
BIRCHFIELD, GENE E., Chicago, Meteorology  
DABON, HARLOW H., Urbana, Biochemistry  
DE MARR, RALPH A., Jacksonville, Mathematics  
GARBISCH, EDGAR W., Jr., Glenview, Chemistry  
GORDON, SIDNEY L., Chicago, Chemistry  
HOFFMANN, PHILIP C., La Grange, Medical Sciences  
HOGAN, JERRY A., Chicago, Psychology  
HOLE, FRANK A., Oak Park, Social Sciences  
IBEN, ICKO, Jr., Champaign, Astronomy  
LIBBY, WILLIAM J., Jr., Wheaton, Genetics  
LIULVICIUS, ARUNAS L., Chicago, Mathematics  
MACRAE, ROBERT E., Chicago, Mathematics  
MARGULIES, SEYMOUR, Champaign, Physics  
RIDDIFORD, LYNN M., Poplar Grove, Biochemistry  
SONLEITNER, FRANK J., Chicago, Zoology  
SPECTOR, HAROLD N., Chicago, Physics  
TROY, ALAN, Urbana, Mathematics  
WALSH, THOMAS D., Chicago, Chemistry  
WOLF, JOSEPH A., Chicago, Mathematics

#### *Senior Postdoctoral*

BASOLO, FRED, Evanston, Chemistry  
BLACK, LINDSAY M., Urbana, Botany  
CABELL, ALI B., Evanston, Engineering  
JOHNSON, B. CONNOR, Urbana, Biochemistry  
MEYER, LOTHAR, Chicago, Chemistry  
TURKEVICH, ANTHONY L., Chicago, Earth Sciences  
WOLFSON, ALBERT, Evanston, Zoology

#### *Science Faculty*

ANDRIS, PETER, Chicago, General Science  
CARLBORG, FRANK W., Rockford, Mathematics  
CHEO, PETER K., Aurora, Physics  
CLAYTON, KENNETH D., De Kalb, Zoology  
EDWARDS, DELWIN C., Belleville, Chemistry  
KAPLAN, LEO, Carbondale, General Science  
KRABMER, LOUISE M., Chicago, Chemistry  
KURS, LOUIS NATHAN, Urbana, Earth Sciences  
MANHEIM, JEROME H., Chicago, Mathematics  
MOSBORG, ROBERT J., Urbana, Engineering  
PABARCUS, ALGIS, Urbana, Engineering

#### *Summer Fellowships For Secondary School Teachers*

BAUER, SR. M. DARIA, Chicago, Biology  
BUCKLER, WILLIAM F., Aurora, Mathematics  
BURNS, ROBERT BYRON, Peoria, General Science  
BURROW, GEORGE IRVING, Port Byron, General Science  
CHRISTIAN, RAYMOND E., Chicago, Chemistry

DEVINE, DONALD F., Park Forest, Mathematics  
EGOLF, THOMAS HENRY, Belleville, Physics  
HALL, RICHARD LOWELL, Evanston, Chemistry  
HART, HUGH E., Evanston, Mathematics  
HELM, HERBERT WOOLF, Chicago, Mathematics  
HIMES, EDWARD N., Maywood, Mathematics  
HOOVER, JAMES M., Batavia, Botany  
JAMES, BRUCE P., Winnetka, Mathematics  
KOHLEY, SR. EVANGELISTA, La Grange Park, Biology  
KRYCH, SR. M. ANNELDE, Chicago, Biology  
LADD, NORMAN ELMER, Des Plaines, Mathematics  
LEATHERS, LEO J., Northbrook, Biology  
LINDHORN, ROBERT C., Berwyn, Mathematics  
MCNEAL, MO. MATTHIAS, Decatur, Biology  
MUCKERMANN, SR. M. ALPHON, Breese, Biology  
MUELLER, PAUL NEAL, Arlington Heights, General Science  
MUNSON, NORMA F., Libertyville, Biology  
ROYE, JAMES PAUL, Dongola, Biology  
RUD, SR. BERNARD MARY, Chicago, Biology  
RUDOLPH, EARL S., Decatur, Chemistry  
RUEFF, LAWRENCE E., Decatur, Biology  
SCHREER, ROBERT HOWELL, Decatur, Biology  
STRETTON, WILLIAM C., La Grange, Mathematics  
TENNEY, ARTHUR EDWARD, Winnetka, Mathematics  
WALKER, ELISABETH M., Hinsdale, Mathematics  
ZALOKAR, RONALD S., Roseville, Biology  
ZBOROWSKI, RICHARD A., Riverside, Mathematics  
ZIMMERMAN, ROBERT M., East Moline, Mathematics

#### INDIANA

##### *Graduate*

BRINKE, LOWELL W., Decatur, Mathematics  
BRUNNER, PHILIP W., Ossian, Engineering  
CARLSON, LEE A., Valparaiso, Mathematics  
COCANOWER, ALFRED B., Osceola, Engineering  
CORY, ROBERT P., Fortville, Biochemistry  
CURTIS, MYRON D., Mount Vernon, Chemistry  
CUSHMAN, DAVID W., Indianapolis, Biochemistry  
FAN, DAVID P., West Lafayette, Biophysics  
FISCH, MICHAEL H., Indianapolis, Chemistry  
FISHER, THORNTON R., Indianapolis, Physics  
HADFIELD, JACK A., Indianapolis, Engineering  
JACKSON, MARION T., West Lafayette, Biology  
LUTHER, LARS C., Bloomington, Chemistry  
MERVED, JOAN K., Gary, Microbiology  
MILES, GLEN A., Cloverdale, Engineering  
MOBLEY, DONALD I., Indianapolis, Zoology  
NEUMANN, HOLM W., Bloomington, Anthropology  
PARR, JAMES T., Indianapolis, Mathematics  
PETERS, PHILIP C., Chesterton, Physics  
PURSLEY, STEPHEN A., Indianapolis, Engineering  
RAGLAND, THOMAS E., North Salem, Biochemistry  
RAIN, DON W., Laporte, Engineering  
RIGG, ROBERT G., Hammond, Engineering  
ROGERS, MARION A., Lewisville, Earth Sciences  
ROOT, FORREST K., Bedford, Earth Sciences

RUPPERT, RICHARD W., West Lafayette, Social Sciences  
SANDERS, WILLIAM A., Oxford, Chemistry  
SCHERRE, KIRBY V., JR., Newburgh, Chemistry  
SCHMALBERGER, DONALD, Bloomington, Astronomy  
WHITCOMB, ALBERT R., South Bend, Mathematics  
WILLIAMS, RICHARD R., Anderson, Engineering

#### *Cooperative Graduate*

BERTULSONS, TATIANA, Manchester, Chemistry  
COHEN, LAWRENCE B., Indianapolis, Physiology  
CONNOLLY, JOHN W., West Lafayette, Chemistry  
CUFFEY, ROGER J., Bloomington, Earth Sciences  
DEBUDDER, RONALD D., Bloomington, Earth Sciences  
DILLING, ROGER L., North Manchester, Physics  
DILLING, WENDELL L., West Lafayette, Chemistry  
DUNDES, ALAN, Bloomington, Anthropology  
GABBARD, LARRY J., Lawrenceburg, Engineering  
GROSSMAN, RICHARD F., Lafayette, Chemistry  
GROT, RICHARD A., Griffith, Engineering  
HANSON, GEORGE P., Bloomington, Botany  
HEIEN, GENE W., Bloomington, Earth Sciences  
HOWELL, ROBERT C., Indianapolis, Social Sciences  
JONES, LARRY K., Lafayette, Engineering  
KIRK, WILLIAM A., Reelsville, Mathematics  
KIRKHAM, MARY A., Corydon, Biochemistry  
LADUKE, ALICE J., Mt. Vernon, Mathematics  
LEBO, JERRY A., Winamac, Engineering  
LEDDEN, PATRICK J., Fort Wayne, Mathematics  
MADRY, THEODORE E., South Bend, Physics  
MARQUIS, EDWARD T., South Bend, Chemistry  
MEDCALF, DARRELL G., West Lafayette, Biochemistry  
MEYER, HAROLD D., Indianapolis, Engineering  
MOSBY, JAMES F., Indianapolis, Engineering  
RAAB, JACOB L., Elkhart, Zoology  
ROBERTS, PETER J., West Lafayette, Physics  
ROBACHER, DAVID B., West Lafayette, Chemistry  
ROSS, ROBERT W., Frankfort, Engineering  
SABBAGH, HAROLD A., Lafayette, Engineering  
STAMBAUGH, ROBERT L., Marion, Chemistry  
STEVENS, DONALD C., Indianapolis, Mathematics  
STILLER, THOMAS M., Connersville, Engineering  
THOMPSON, MAYNARD D., Michigan City, Mathematics  
WATERS, ANNETTE J., Bloomington, Botany  
WHITE, HENRY E., JR., Lafayette, Mathematics  
WOOLDRIDGE, DAVID P., Bloomington, Zoology

#### *Summer Fellowships for Graduate Teaching Assistants*

COHEN, LOIS R., West Lafayette, Social Sciences  
BAKER, FRANK W., Hanover, Chemistry  
BLEYMAN, LEA K., Bloomington, Physiology

BROWN, DONALD R., West Lafayette, Psychology  
CALVIN, CLYDE L., West Lafayette, Agriculture  
CARLSON, NORMAN R., Michigan City, Engineering  
DAY, GEORGE W., West Lafayette, Mathematics  
DEAN, EDWIN R., South Bend, Social Sciences  
DORN, GORDON L., West Lafayette, Genetics  
LEININGER, WILLIAM J., West Lafayette, Social Sciences  
HEIEN, GENE W., Bloomington, Earth Sciences  
JOHNSON, LOWELL B., West Lafayette, Botany  
JOHNSON, WILLIAM H., Fairmount, Earth Sciences  
KIRK, WILLIAM A., Reelsville, Mathematics  
LEDDEN, PATRICK J., Fort Wayne, Mathematics  
MAXON, MARSHALL S., Bloomington, Physics  
MEADE, THOMAS G., West Lafayette, Zoology  
NICKANDER, RODNEY C., West Lafayette, Medical Sciences  
UECKER, FRANCIS A., Fort Wayne, Botany  
SCHRENE, GEORGE L., Seymour, Physics  
SCHROCK, STEVEN L., Lafayette, Engineering  
WILDIN, MAURICE W., West Lafayette, Engineering  
WINTER, EDWARD M., West Lafayette, Engineering  
YAQUB, FAWZI M., Lafayette, Mathematics

#### *Postdoctoral*

ALING, NORMAN L., West Lafayette, Mathematics  
BAYER, HORST O., West Lafayette, Chemistry  
BELINFANTE, JOHAN G., West Lafayette, Physics  
DAVIDSON, ERNEST R., Bloomington, Chemistry  
DORN, GORDON L., West Lafayette, Genetics  
HARWIT, MARTIN O., Bloomington, Astronomy  
POHL, WILLIAM F., Michigan City, Mathematics

#### *Senior Postdoctoral*

FRASER, W. DEAN, Bloomington, Microbiology  
HEISER, CHARLES B., JR., Bloomington, Botany  
NELSON, OLIVER E., Lafayette, Genetics  
ROGERS, BRUCE J., Lafayette, Botany  
SCHAEFFER, RILEY O., Bloomington, Chemistry

#### *Science Faculty*

BARTON, JAY, II, Collegeville, Biology  
BROWN, CHARLES L., Lafayette, Engineering  
DAVIS, CHESTER L., Angola, Engineering  
FLETCHER, ROBERT I., Greencastle, Microbiology  
HARTSAW, WILLIAM O., Evansville, Engineering  
HAWTHORNE, QUINTIN J., Angola, Engineering  
HITCHCOCK, JAMES E., Lafayette, Engineering  
HOELZER, JOHN H., Muncie, Mathematics  
JACKSON, LOWELL B., Lafayette, Engineering  
JONES, JAMES B., Lafayette, Engineering  
KOZIN, FRANK, Lafayette, Engineering  
MILLER, MELTON M., JR., Lafayette, Engineering

SKIBINSKY, MORRIS, Lafayette, Mathematics  
STRONG, LAURENCE E., Richmond, Chemistry

*Summer Fellowships for Secondary School Teachers*

ALLEN, JESSE BYRON, Whiting, Mathematics  
BUDENSIEK, RONALD KEITH, Muncie, Chemistry  
CRABILL, L. DELMAR, Logansport, Mathematics  
DEHNE, GILBERT, Michigan City, Biology  
DEYOUNG, PETER J., West Lafayette, Mathematics  
FLANSBURG, GLENN E., Hammond, Mathematics  
FREDERICK, TERRY JOE, Vincennes, Mathematics  
GOODNIGHT, FREDRICK H., North Judson, Biology  
KINCAID, WAYNE H., Indianapolis, General Science  
PAYNE, KENNETH EARL, Terre Haute, Biology  
RAMSEY, VIOLA ALICE Indianapolis, Mathematics  
RICE, JACK ALLEN, Logansport, Mathematics  
SCHILLING, ROBERT G., Frankfort, Mathematics  
SMITH, MARVIN DELBERT, Indianapolis, Biology  
SMITH, MARY CAROLYN, Hoagland, Mathematics  
WHITE, STANLEY A., Clarksville, Mathematics

IOWA

*Graduate*

BERGE, GLENN L., Decorah, Astronomy  
BRUMBAUGH, JOHN A., Ames, Genetics  
CHRISTNER, JAMES E., Wellman, Biochemistry  
DAUGHERTY, JACK D., Ottumwa, Engineering  
EGGER, CARL T., Monticello, Engineering  
FELLOWS, LARRY D., Shenandoah, Earth Sciences  
HANSON, FRIDOLF A., Des Moines, Anthropology  
HAMESATH, NORBERT B., Cedar Rapids, Engineering  
HICKMAN, JOHN M., Cedar Rapids, Anthropology  
HORNE, WILLIAM C., Burlington, Psychology  
JOSEPHSON, KEITH B., Boone, Mathematics  
KUST, ROGER N., Ames, Chemistry  
LANDWEBER, PETER S., Iowa City, Mathematics  
LEVY, HIRAM, II, Bettendorf, Chemistry  
LILLEHOJ, EIVIND B., Kimballton, Botany  
MCCALL, GEORGE J., Iowa City, Psychology  
MCCLELLAN, RONALD E., Marshalltown, Engineering  
MILLER, DON H., Cedar Rapids, Mathematics  
MILLER, RICHARD K., Clarinda, Mathematics  
NICOLSON, DAN H., Shenandoah, Botany  
NORDSTROM, JOHN D., Williamsburg, Chemistry  
PHILLIPS, DAVID T., Algona, Physics  
POLKING, JOHN C., Breda, Mathematics  
PULLEY, ARDEN O., Ames, Biochemistry  
SARGEANT, PETER B., Cedar Rapids, Chemistry  
SPECKER, WAYNE H., Des Moines, Engineering  
SUNDBERG, RICHARD J., Linn Grove, Chemistry

THOMAS, BRUCE R., Guthrie Center, Physics  
THORNTON, MELVIN C., Storm Lake, Mathematics  
WEIDLER, DONALD J., New Hampton, Zoology

*Cooperative Graduate*

CLAMPITT, PHILIP T., Des Moines, Biology  
CURRY, SHARON G., Ames, Earth Sciences  
DAHM, ARNOLD J., Pella, Physics  
DIXON, CHRIST D., Waltham, Mathematics  
EDEN, RICHARD C., Springville, Engineering  
FRIEDEL, REV. JOHN C., Dubuque, Mathematics  
GABRIELSON, JAMES E., Cedar Rapids, Engineering  
GOBEN, CHARLES A., Chariton, Engineering  
GOODMAN, MAJOR M., Des Moines, Genetics  
GREENWOOD, WILLIAM R., Pleasant Valley, Earth Sciences  
GURALNIK, GERALD S., Cedar Falls, Physics  
HANSON, FRANK E., JR., Hawarden, Physiology  
HENDRICKSON, HOWARD T., Cedar Rapids, Engineering  
HOVERSTEN, ESTIL V., Ames, Engineering  
JOHNSON, KENT E., Davenport, Earth Sciences  
JOHNSON, ROBERT W., Marathon, Engineering  
KRISTIANSON, BRYANT N., Ogden, Engineering  
KRUEMPFL, KENNETH C., Independence, Engineering  
MARK, JOAN T., Orange City, Social Sciences  
MARSHALL, MARILYN E., Iowa City, Psychology  
MARTIN, JOSEPH M., Keokuk, Mathematics  
MATHRE, DONALD E., Ames, Botany  
OTTO, ALBERT D., Gladbrook, Mathematics  
ROMIG, BERNARD E., Villisca, Engineering  
SACKETT, ROBERT N., Des Moines, Engineering  
SMALLEY, KATHERINE N., Iowa City, Zoology  
STARK, PHILIP H., Iowa City, Earth Sciences  
TENNANT, JERRY R., Burnside, Engineering  
THYSELL, RICHARD V., Iowa City, Psychology  
TROTT, CAROLYN M., Iowa City, Mathematics  
VARNUM, CLARK M., Tama, Physics  
VITOLS, VISVALDIS A., Des Moines, Engineering  
WAUER, JOHN C., Sioux City, Engineering

*Summer Fellowships for Graduate Teaching Assistants*

BATHIE, WILLIAM W., Ames, Engineering  
COONCE, HARRY B., Ames, Mathematics  
CUNNING, JOE D., Mount Ayr, Engineering  
LOMEN, DAVID O., Decorah, Mathematics  
LUTHER, NORMAN Y., Iowa City, Mathematics  
HOLLENHORST, JEROME J., Ames, Social Sciences  
KLAPPER, GILBERT J., Iowa City, Earth Sciences  
MULFORD, CHARLES L., Ames, Social Sciences  
MUTH, WAYNE A., Ames, Engineering  
PIRON, ROBERT, Ames, Social Sciences  
THOMAS, ROBERT W., JR., Ames, Social Sciences  
ROGERS, WALLACE A., Fort Dodge, Zoology  
SECRET, BRUCE G., West Branch, Mathematics  
SMITH, PAUL E., Spirit Lake, Biology

### Postdoctoral

HOFFMAN, LARRY R., Sigourney, Botany  
KASPERBAUER, MICHAEL J., Manning, Botany  
PITNEY, RALPH E., Des Moines, Physics

### Senior Postdoctoral

HALMI, NICHOLAS S., Iowa City, Medical  
Sciences

### Science Faculty

DOCKEN, ADRIAN M., Decorah, Chemistry  
GRAHAM, FREDERICK M., Ames, Engineering  
HANSON, ROGER J., Grinnell, Physics  
LORENZ, PHILIP J., Jr., Fayette, Physics  
MUTH, WAYNE A., Ames, Engineering  
PILGRIM, DONALD H., Decorah, Mathematics  
RYDER, SE. M. BRIANT, Dubuque, Physics

### Summer Fellowships for Secondary School Teachers

CROSSWHITE, F. JOE, Keokuk, Mathematics  
EBERT, WAYNE E., Clarion, Biology  
FETT, GORDON F., Aurelia, Mathematics  
HOHLFELD, JOSEPH F., Cedar Falls, Mathe-  
matics  
MAUSETH, HARRY A., Iowa City, Biology  
OHL, LLOYD EUGENE, Ft. Madison, Biology  
OSHER, ROBERT ELMER, Marshalltown,  
Mathematics  
SCHAUB, RUSSELL E., Titonka, Mathematics  
SNYDER, JOHN D., Carroll, Mathematics  
TRUMP, RICHARD F., Ames, Zoology

### KANSAS

#### Graduate

ANDERSON, DAVID K., Riverton, Chemistry  
BARNHILL, ROBERT E., Lawrence, Mathe-  
matics  
BARRETT, BRUCE R., Kansas City, Physics  
BATE, THOMAS D., Kansas City, Engineering  
BERRY, WILLIAM H., Shawnee Mission,  
Mathematics  
CORNELIUS, ARCHIE J., Manhattan, Engi-  
neering  
DEONIER, DICK L., Eudora, Zoology  
ENOS, PAUL P., Perry, Earth Sciences  
HALL, ROBERT E., Pittsburg, Physics  
HAYES, DENNIS E., Mission, Earth Sciences  
HAYS, BYRON G., Wichita, Chemistry  
HEAD, THOMAS J., Topeka, Mathematics  
HEIDER, KARL G., Lawrence, Anthropology  
KEVAN, LARRY J., Shawnee Mission, Chem-  
istry  
KOCH, RICHARD M., Haven, Mathematics  
KOHLMAN, DAVID L., Lawrence, Engineering  
MANTEY, JOHN P., Sharon Springs, Engi-  
neering  
MANTEY, PATRICK E., Sharon Springs, Engi-  
neering  
MILLS, ROBERT B., Topeka, Zoology  
NAUMAN, EDWARD B., Shawnee Mission, En-  
gineering  
REYNOLDS, WYNETKA A., Emporia, Zoology  
RICHBERT, ANTON S., Wichita, Physics  
ROOT, JOHN W., Lawrence, Chemistry  
SPENCER, JOHN B., Topeka, Chemistry  
WALTERS, WILLIAM B., Highland, Chemistry  
WARNE, THOMAS M., Jr., Leawood, Chem-  
istry  
WHITEHEAD, C. THOMAS, Columbus, Engi-  
neering  
ZIMMERMAN, JOHN F., Lawrence, Chemistry

### Cooperative Graduate

BUTLER, RONALD D., Manhattan, Chemistry  
CARPENTER, KENNETH H., Matfield Green,  
Engineering  
DAVIS, ELMER E., Haviland, Mathematics  
GRIFFITH, SUSAN J., Mission, Zoology  
HARRI, JOHN G., Brookville, Engineering  
HOBSON, ARTHUR S., Manhattan, Physics  
HYSLOP, ROBERT S., Jr., Kansas City, Engi-  
neering  
KEZLAN, THOMAS P., Lawrence, Mathematics  
NOBLE, LARRY D., Iola, Engineering  
PLATT, DWIGHT R., Newton, Zoology  
RAMSAY, ARLAN B., Dodge City, Mathematics  
ROGERS, JOYCE M., Mission, Mathematics  
RUFF, JOHN A., Wichita, Engineering  
SALSER, WINSTON A., Wichita, Biophysics  
SKINNER, JAMES L., Lincoln, Engineering  
SMITH, DEAN L., Jr., Topeka, Engineering  
WEIDMAN, DONALD R., Kansas City, Mathe-  
matics  
ZAHNLEY, JAMES C., Manhattan, Biochem-  
istry

### Summer Fellowships for Graduate Teaching Assistants

BAFUS, DONALD A., Newton, Chemistry  
FAGAN, JOHN R., Manhattan, Engineering  
FLANAGIN, VERNON L., Gem, Botany  
HAINES, HOWARD B., Kansas City, Biology  
LONG, JOHN B., Topeka, Psychology  
HOPPING, JOE M., Manhattan, Biochemistry  
MCDANIEL, JAMES S., Pittsburg, Zoology  
VAN SANT, JAN F., Lawrence, Earth Sciences  
RINEHART, MARILYN E., Hutchinson, Micro-  
biology  
SMITH, DEAN L., Jr., Topeka, Engineering  
WALTERS, WILLIAM B., Highland, Chemistry  
WARNER, CLARENCE E., Burr Oak, Chemistry  
WREATHERLY, NORMAN F., Manhattan, Zool-  
ogy

### Postdoctoral

HORNE, FREDERICK H., Mission, Chemistry  
SETSER, DONALD W., Hudson, Chemistry

### Senior Postdoctoral

ZELLER, EDWARD J., Lawrence, Earth Sci-  
ences

### Science Faculty

HAMILTON, HOWARD B., Wichita, Engineering  
JOHNSON, WILLIAM J., Hillsboro, Biochem-  
istry  
KUBITZA, WILHELM K., Manhattan, Engi-  
neering  
LAWS, LEONARD S., Winfield, Mathematics  
LYNCH, ROGER V., Baldwin City, Mathe-  
matics  
TOMBAUGH, ROBERT M., Salina, Chemistry

### Summer Fellowships for Secondary School Teachers

ALDRIDGE, BILLY G., Bethel, Physics  
DAVIDSON, JOSEPH G., Bethel, Biology  
EDER, RICHARD LEE, Scott City, Biology  
EISELE, GEORGE ANTHONY, Quinter, Mathe-  
matics  
HENDRIX, JULIA C., Kansas City, Mathe-  
matics  
HUNT, STANLEY L., Wichita, Biology  
JANDER, JOHN C., Liberal, Mathematics  
MILLS, ROBERT B., Topeka, Biology  
PETERS, WILLARD H., Wichita, Biology

## KENTUCKY

### Graduate

BROWN, GREGORY N., Lexington, Agricultural Sciences  
BURCKEL, ROBERT B., Louisville, Mathematics  
DIERCKES, ALBERT C., Covington, Engineering  
FANGMAN, WALTON L., Louisville, Physiology  
HANLON, JAMES T., Ft. Thomas, Engineering  
HEM, RONALD R., Louisville, Chemistry  
KEISTER, WILLIAM P., Louisville, Engineering  
LONG, WILLIAM S., Lexington, Biochemistry  
MARRS, JO R., Nicholasville, Chemistry  
SCHNEITZER, GEORGE R., Louisville, Engineering  
SUICH, JOHN E., Louisville, Engineering  
WHITESIDES, GEORGE M., Anchorage, Chemistry

### Cooperative Graduate

BEINKE, THOMAS A., Ft. Thomas, Chemistry  
CANON, ARDATH B., Murray, Chemistry  
CARNIGHAN, ROBERT H., Louisville, Chemistry  
CLARKE, FRANCIS R., Frankfort, Chemistry  
CRAIG, DONALD F., Glasgow, Engineering  
GRIGGS, EDWIN I., Lowes, Engineering  
HAGYARD, MONA J., Lexington, Physics  
HARP, ROLLIE J., Corbin, Mathematics  
HOHMAN SR., BENEDICT, Louisville, Chemistry  
KINCH, LAEL F., Lexington, Mathematics  
LUCHETA, ROGER A., Louisville, Engineering  
MONROE, BURT L., Jr., Anchorage, Zoology  
MOORE, GEORGE C., Bowling Green, Physics  
PERRY, PAUL S., Monticello, Physics  
PORTER, MARCELLUS C., Louisville, Engineering  
STAPLES, CODY E., Louisville, Chemistry  
WATSON, MARTHA F., Murray, Mathematics

### Summer Fellowships for Graduate Teaching Assistants

COOK, MAURICE G., Hatton, Agriculture  
AMBROSE, HARRISON W., III, Lexington, Zoology  
BOYD, CLAIRE L., Lexington, Biochemistry  
JOHNSON, ROBERT S., Frankfort, Mathematics  
KING, JERRY P., Murray, Mathematics  
REKER, JOSEPH S., Louisville, Engineering  
WILSON, FRED L., Murray, Physics

### Postdoctoral

LAYSON, WILLIAM M., Millersburg, Physics  
O'SULLIVAN, JOHN B., Lebanon, Earth Sciences

### Science Faculty

BRADLEY, EUGENE B., Lexington, Physics  
CRAIG, CECIL, Jr., South Fort Mitchell, Mathematics  
HEER, JOHN E., Jr., Louisville, Engineering  
LAFFERTY, JAMES F., Lexington, Engineering

### Summer Fellowships for Secondary School Teachers

HEMMERLE, SR. M. CAROLINE, Covington, Biology  
KIMBEL, SR. M. EVA, Louisville, Chemistry  
KLINGENBERG, SR. J. M., Covington, Mathematics

MADDEN, SR. M. CAECILIA, Covington, Physics  
ROSE, VIRGIL UHLAN, Louisville, Biology  
STALLINGS, SR. M. CONSOLA, Springfield, Mathematics  
STURMAN, DOLLY G., Louisville, Mathematics  
SYKES, HARRY N., Lexington, Mathematics  
WARE, WILLA C., Louisville, Mathematics

## LOUISIANA

### Graduate

CARROLL, KEITH J., New Iberia, Physics  
CONWAY, EDWARD D., III, New Orleans, Mathematics  
CONWAY, JOHN B., New Orleans, Mathematics  
CRUMP, KENNY S., Haynesville, Engineering  
DUCHAMP, DAVID J., St. Martinville, Chemistry  
FEBTEL, NORMAN S., New Orleans, Mathematics  
FRICKEN, RAYMOND L., New Orleans, Physics  
GRAHAM, EDWARD W., Natchitoches, Chemistry  
HODGESON, JIMMIE A., Baker, Chemistry  
MERRILL, SAMUEL, III, Bogalusa, Mathematics  
PENNEY, DAVID E., New Orleans, Mathematics  
PITTMAN, MICHAEL E., New Orleans, Physics  
REVELLE, CAROLE L., Lake Charles, Psychology  
WHARTON, JAMES H., Baton Rouge, Chemistry

### Cooperative Graduate

ANDERSON, ALFRED P., Gonzales, Engineering  
CALAMARI, TIMOTHY A., Jr., Baton Rouge, Chemistry  
DENNY, CLIFFORD L., Jr., Natchitoches, Physics  
FAGOT, HACKER J., Ponchatoula, Psychology  
HEBERT, JOEL J., Jennings, Engineering  
HUSSEY, ROBERT G., Shreveport, Physics  
MASON, PERRY S., Baton Rouge, Chemistry  
MATHAWS, HARRY T., New Orleans, Mathematics  
SETTLES, RONALD D., Baton Rouge, Physics  
TIMON, WILLIAM E., Jr., Natchitoches, Mathematics  
YOUNG, WARREN L., Eunice, Chemistry

### Summer Fellowships for Graduate Teaching Assistants

CHIPMAN, ROBERT K., New Orleans, Zoology  
ALLEN, JOHN E., Jonesboro, Mathematics  
AMBROSE, JAMES E., Baton Rouge, Zoology  
EBERT, PAUL J., New Orleans, Physics  
EIDSON, WILLIAM W., New Orleans, Physics  
HAMILTON, JANET V., New Orleans, Chemistry  
MACKAY, HENRY J., Baton Rouge, Physics  
HOLDEMAN, JONAS T., Jr., Baton Rouge, Physics  
PINTER, AELITA J., New Orleans, Biology  
VEITH, DANIEL A., New Orleans, Physics

### Postdoctoral

CHEETHAM, ALAN H., Baton Rouge, Earth Sciences  
HOLLAND, WILBUR C., New Orleans, Mathematics

### Science Faculty

COLE, GEORGE D., Thibodaux, Physics



CULP, WILLIAM C., Natchitoches, Earth Sciences  
DOHSE, FRITZ E., Baton Rouge, Engineering  
HANSON, MARVIN W., Shreveport, Chemistry  
JOHNSON, DAVID E., Ruston, Mathematics  
TURNER, HUMPHREYS T., Shreveport, Engineering  
WALKER, HUGH S., Shreveport, Engineering

*Summer Fellowships for Secondary School Teachers*

DUNN, EUNICE R., Monroe, Mathematics  
EDNEY, MABEL MORGAN, Duson, Mathematics  
GUILLORY, JERRY LEE, Marksville, Mathematics  
JONES, CURTIS J., Lake Charles, Mathematics  
KILGORE, JOHN RAY, Haynesville, Mathematics  
KOBLSCH, SR. M. FLORENTIA, Baton Rouge, Biology  
LEE, BRO. EDWARD P., New Orleans, Mathematics  
MCKEE, JOYCE T., New Orleans, Zoology  
RICARDO, RALPH E., Donaldsonville, Mathematics  
SCHAFF, SR. M. JOANNES, New Orleans, Biology  
THOMAS, JAMES ORELL, Haynesville, Mathematics  
WINTERS, SR. M. MAJELLA, New Orleans, Biology

**MAINE**

*Graduate*

BURNS, STEPHEN H., Friendship, Engineering  
CLARK, ALTON H., Portland, Psychology  
MOORE, JOHN S., Skowhegan, Physics  
O'CONNOR, BRIAN R., Lewiston, Chemistry  
SCOTT, SARAH V., Bar Harbor, Anthropology  
TRAFTON, PAUL J., Southwest Harbor, Engineering

*Cooperative Graduate*

FURROW, STANLEY D., Bangor, Chemistry  
HODSON, DAVID M., Old Town, Engineering  
THORPE, JOHN A., Auburn, Mathematics  
TOWNES, HARRY W., Auburn, Engineering

*Summer Fellowships for Graduate Teaching Assistant*

JOHNSON, BRUCE P., Lewiston, Physics

*Science Faculty*

BODINE, MARC W., Jr., Brunswick, Earth Sciences  
CHITIM, RICHARD L., Brunswick, Mathematics  
HART, MRS. JEAN G., Orono, Mathematics

**MARYLAND**

*Graduate*

BLUM, EDWARD H., Silver Spring, Engineering  
BRENNER, DOUGLAS, Chevy Chase, Physics  
BROWN, ROBERT L., Kensington, Chemistry  
BROWN, STANLEY G., Kensington, Physics  
CLMMENT, DAVID E., Baltimore, Psychology  
CLEFTON, H. EDWARD, Baltimore, Earth Sciences  
DOBSON, PETER N., Jr., Baltimore, Physics

DOWLING, ELIZABETH E., Silver Spring, Physics

DWYER, THOMAS F., Baltimore, Engineering  
FENTRESS, JOHN C., Chevy Chase, Biology  
FERGUSON, JOHN D., Bishop Head, Mathematics

FRIEDMAN, WILLIAM A., Silver Spring, Physics

GAMMON, ROBERT W., Baltimore, Physics  
HALL, BARBARA C., Baldwin, Social Sciences  
HAZLETT, BRIAN A., District Heights, Zoology  
HEBE, MATHIEDE J., Butler, Physics  
HOLLAND, NICHOLAS D., Chevy Chase, Physiology

HUGHES, ANTHONY C., Catonsville, Mathematics

KAISER, MERTHA L., Ellicott City, Microbiology

KANTOR, PAUL B., Silver Spring, Physics

LAMPE, DONALD R., Baltimore, Engineering  
LICHT, ARTHUR L., College Park, Physics

MELSON, WILLIAM G., East Riverdale, Earth Sciences

MILLERD, WILLIAM H., Jr., Baltimore, Physics

NOLEN, JERRY A., Jr., Aberdeen, Physics  
NOLL, DAGMAR J., Baltimore, Mathematics

PARKER, REBECCA A., Washington, Physics  
QUARLES, RICHARD H., Baltimore, Biochemistry

RECTOR, CHARLES W., Baltimore, Physics  
RUSSEY, WILLIAM E., Baltimore, Chemistry

SINGLETERRY, ANN M., Bethesda, Mathematics

SMITH, DAVID A., Pocomoke City, Mathematics

STEINHARDT, RICHARD A., Chevy Chase, Physiology

STRATHDEE, JOHN A., Army Chemical Center, Physics

TAYLOR, HOWARD M., III, Baltimore, Mathematics

TEFFT, WAYNE E., Bethesda, Physics  
TEPLITZ, VIGOR L., College Park, Physics

WELLS, ROBERT, Bethesda, Mathematics  
WING, CHARLES G., Baltimore, Oceanography

*Cooperative Graduate*

AKS, STANLEY, College Park, Physics  
BEAN, RALPH J., Mt. Rainier, Mathematics

BRIODY, ROBERT G., Hagerstown, Chemistry  
BURSEY, MAURICE M., Baltimore, Chemistry

CLAVELLI, LOUIS J., Hillcrest Heights, Physics

HARTLE, JAMES B., Baltimore, Physics  
JULIAN, GLENN M., Hagerstown, Physics

KELLAM, JOHN M., Jr., Baltimore, Engineering

MADSEN, ERNEST L., District Heights, Physics

MCGRODDY, JAMES C., West Hyattsville, Physics

PRESNALL, DEAN C., Westgate, Earth Sciences

RITTER, MELVIN L., Lavale, Chemistry  
SLIFKER, JAMES F., Baltimore, Mathematics

SPECTOR, MARSHALL, Baltimore, Social Sciences

WILKINSON, HERBERT S., Silver Spring, Engineering

*Summer Fellowships for Graduate Teaching Assistants*

COLE, FRANCIS E., Jr., Mt. Rainier, Microbiology

CARTER, WINFRED O., Lanham, Engineering

DUPONT, JACQUELINE L., Silver Spring, Biology  
GILBERT, WALTER J., Takoma Park, Physics  
GILMORE, MAURICE E., Bethesda, Mathematics  
MCGOLDRICK, LAWRENCE F., Baltimore, Engineering  
PITTMAN, KENNETH A., College Park, Zoology  
SPECTOR, MARSHALL, Baltimore, Social Sciences

#### *Postdoctoral*

ADAMS, WILLIAM H., Glen Burnie, Chemistry  
GLICK, ARNOLD J., West Hyattsville, Physics  
KANFER, JULIAN N., Silver Spring, Biochemistry  
LAZARUS, MAXINE B., Baltimore, Biochemistry  
SCHNEIDERMAN, LAWRENCE, Bethesda, Genetics

#### *Senior Postdoctoral*

CARLSON, FRANCIS D., Baltimore, Biophysics  
SAMPSON, JOSEPH H., Baltimore, Mathematics

#### *Science Faculty*

CALLAHAN, SR. M. VINCENT, Baltimore, Chemistry  
OJALVO, MORRIS S., Silver Spring, Engineering  
REIFMAN, LUCILLE K., Bethesda, Mathematics  
SEXTON, PHILLIP G., Baltimore, Engineering

#### *Summer Fellowships for Secondary School Teachers*

CAREY, HELEN SIMMONS, Catonsville, Mathematics  
FARLEY, WILLIAM J., Baltimore, Mathematics  
FITZPATRICK, SR. ANCILLA, Baltimore, Zoology  
GENTRY, SR. DORIS ANN, Baltimore, Mathematics  
HOFHERR, SR. MARGARET, Baltimore, Mathematics  
HOPKINS, BELVA H., Beltsville, Mathematics  
JOHNSON, PATRICIA L., Wheaton, Mathematics  
O'NEILL, BRO. GODFREY C., Baltimore, Mathematics  
STARK, WILLIAM DAVID, Silver Spring, General Science

### MASSACHUSETTS

#### *Graduate*

ALBERT, RICHARD H., Dorchester, Chemistry  
ALPERIN, JONATHAN L., Newton Centre, Mathematics  
AUSTIN, MICHAEL E., Weymouth, Engineering  
BAKER, KIRBY A., Winchester, Mathematics  
BERGER, EDMOND L., Salem, Physics  
BIRMINGHAM, THOMAS J., Milford, Physics  
BLUMENTHAL, RALPH B., Cambridge, Physics  
BOHMER, HAROLD, Jr., Amherst, Earth Sciences  
BUDNITZ, ROBERT J., Pittsfield, Physics  
BUFFINGTON, ANDREW, East Walpole, Physics  
CARROLL, ALAN S., Cambridge, Physics  
CHASE, THEODORE, Jr., Dover, Biochemistry  
CHESEBROUGH, CAROLYN, Needham, Genetics  
CLAUSER, MILTON J., Rolling Hills, Physics

CLEARY, RICHARD T., Boston, Biochemistry  
COB, ROBERT S., Chatham, Earth Sciences  
COFFEY, JOHN J., Watertown, Zoology  
COMLY, JAMES B., Cambridge, Engineering  
CONE, ALBERT A., Boston, Physics  
CONLON, LAWRENCE W., Boston, Mathematics  
COVITZ, FRANK H., Burlington, Chemistry  
CRONIN, DAVID V., West Lynn, Engineering  
DAVISON, GERALD C., Dorchester, Psychology  
DOERMAN, MERLIN, Newton Highlands, Engineering  
DRINKS, JANIS, Newton Highlands, Mathematics  
EARLE, ELIZABETH J., Cambridge, Botany  
EVENSEN, DAVID A., Gardner, Engineering  
FEDERER, CHARLES A., Belmont, Agricultural Sciences  
FELDMAN, PAUL A., Chelsea, Physics  
FORD, DWAIN L., Lancaster, Biochemistry  
FUCHS, NORMAN H., Boston, Physics  
FUGLISTER, FREDERICK, Woods Hole, Mathematics  
GERSTEIN, IRA S., Cambridge, Physics  
GODCHAUX, WALTER III, Cambridge, Biology  
GOLDSTEIN, STEVEN N., Brookline, Physics  
GRANT, WALTER J., Lawrence, Physics  
GUERTIN, RALPH F., Indian Orchard, Physics  
GUIDOTTI, CHARLES V., Hudson, Earth Sciences  
GUILLEMIN, VICTOR W., Belmont, Mathematics  
HARTSHORNE, ROBERT C., Cambridge, Mathematics  
IMPINK, ALBERT J., Jr., Watertown, Engineering  
KALNAJS, AGRIS J., Newton Centre, Astronomy  
KAY, PAUL D., Somerville, Anthropology  
KLEIMAN, STEVEN L. Marblehead, Mathematics  
KORENMAN, VICTOR, Cambridge, Physics  
LAMARCHE, VALMORE C., Brighton, Earth Sciences  
LARSEN, DAVID M., Cambridge, Physics  
LOCKSHIN, RICHARD A., Northhampton, Physiology  
LYNCH, WILLIAM T., Boston, Engineering  
MASTERS, STANLEY H., Winchester, Mathematics  
MCGOFF, DAVID J., Somerville, Engineering  
MOORE, PETER B., Brookline, Biophysics  
MUTCHLER, GORDON S., Boston, Physics  
NELSON, RALPH D., Jr., Westboro, Chemistry  
OATMAN, BARBARA B., Cambridge, Psychology  
OBERLANDER, HERBERT, Revere, Physiology  
PANKIWSKYJ, KOST A., Cambridge, Earth Sciences  
POSTMA, THOMAS E., Whitinsville, Engineering  
RALLS, KENNETH M., Cambridge, Engineering  
ROCK, PETER A., Lowell, Chemistry  
ROTHKOPF, MICHAEL H., Boston, Social Sciences  
SAVIN, HARRIS B., Newton Highlands, Psychology  
SAVIN, SAMUEL M., Newton Highlands, Earth Sciences  
SCHULTZ, MARTIN H., Chestnut Hill, Mathematics  
SEGRE, GINO C., Cambridge, Physics  
SINGER, HARVEY A., Boston, Engineering  
SOUTHARD, JOHN B., Boston, Earth Sciences  
SULLIVAN, JEREMIAH D., Foxboro, Physics  
WARD, HAROLD N., Cambridge, Mathematics  
WARNE, FRANK W., III, Watertown, Mathematics

WARNER, JONATHAN R., Boston, Biophysics  
WEINER, STEPHEN D., West Newton, Physics  
WEINSTEIN, HERBERT G., Swampscott, Engineering  
YEGIAN, CHARLES D., Amherst, Biophysics

#### *Cooperative Graduate*

ALWITT, ROBERT S., Adams, Engineering  
AUGSTKALNS, VALDIS A., North Adams, Engineering  
AVERY, DONALD H., Winchester, Engineering  
BLACK, FISCHER S., Jr., Cambridge, Mathematics  
BONVINI, GLADYS H., Newtonville, Biology  
BOWMAR, ROBERT H., Canton, Mathematics  
BURGIEL, JOSEPH C., Ware, Physics  
CHIN, GILBERT Y., Brighton, Engineering  
CHMURA, CAROL A., Chicopee, Earth Sciences  
COOKE, CYNTHIA W., Needham Heights, Biochemistry  
DALEY, HENRY O., Jr., Braintree, Chemistry  
DEACON, HOWARD J., Jr., Quincy, Engineering  
DUNLEAVY, JAMES E., Jr., Amherst, Engineering  
FANDELL, FRANCIS E., Brookline, Engineering  
FOOTE, STEFANIE V., Framingham, Social Sciences  
FORSLUND, ROBERT P., Norwell, Engineering  
GROBLICKI, PETER J., New Bedford, Chemistry  
HENRY, GEORGE R., Pittsfield, Physics  
HERZBERG, NORMAN P., Clinton, Mathematics  
HOEHNBERG, PIERRE C., Cambridge, Physics  
HOVE, NORMAN M., Jr., Princeton, Engineering  
KRAVENY, PAUL F., Brookline, Chemistry  
KELLEY, KEVIN J., Northampton, Engineering  
KRUEGER, WILLIAM H., Allston, Zoology  
LIDSKY, LAWRENCE M., Cambridge, Engineering  
LIEBERMAN, BURTON B., Brookline, Mathematics  
MCCLUNG, JOHN B., Jr., Brockton, Engineering  
MILLS, WAYNE A., Natick, Physics  
MYEVAAGNES, RODNEY N., Winchester, Physics  
NELSON, CHARLES H., Worcester, Chemistry  
NICKERSON, EARL R., Somerville, Mathematics  
NOSHKIN, VICTOR E., Worcester, Chemistry  
NUSSMANN, DAVID G., Needham, Earth Sciences  
O'BRIEN, EDWARD J., Lenox, Physics  
PASTRZYK, FRANCIS W., Chicopee Falls, Engineering  
PECK, NEWTON T., Waban, Mathematics  
PIRCE, WILLIAM B., Hanson, Engineering  
PICARD, RICHARD H., Hudson, Physics  
RHODES, RICHARD G., Northampton, Engineering  
ROUSSEAU, WILLIAM F., West Newton, Engineering  
SAVAGE, JOHN E., Lynn, Engineering  
SCHMIDT, JOHN P., Holyoke, Engineering  
STOLENBERG, LOUIS G., Cambridge, Mathematics  
SWEETSER, JUDITH, Norwell, Social Sciences  
TBITTER, STEPHEN D., Brookline, Engineering

#### *Summer Fellowships for Graduate Teaching Assistant*

ANDERSON, SAMUEL W., Cambridge, Psychology

BERTRAND, RENE R., Leominster, Chemistry  
BOUTILIER, ROBERT F., North Andover, Earth Sciences  
BURKE, JAMES J., Jr., Northampton, Chemistry  
CARLSON, ARABELLE P., Brookline, Chemistry  
CRONIN, TIMOTHY H., West Roxbury, Chemistry  
DONOGHUE, JOHN T., Holyoke, Chemistry  
GAUVIN, PAUL N., New Bedford, Chemistry  
LISS, ROBERT H., Boston, Zoology  
HART, NATHAN H., Cambridge, Zoology  
HEDLUND, RICHARD W., Worcester, Earth Sciences  
JETTER, KATHARINE B., Wellesley Hills, Chemistry  
KNER, DAVID I., Cambridge, Mathematics  
MICHELSON, RICHARD A., Amherst, Mathematics  
PEARLE, PHILIP M., Cambridge, Physics  
PECK, NEWTON T., Waban, Mathematics  
REARDON, JOHN F., Boston, Chemistry  
WAGNER, ANDREW J., Cambridge, Meteorology  
WALLACE, ROBERT B., Lynnfield Center, Psychology

#### *Postdoctoral*

ADAM, WALDEMAR, Cambridge, Chemistry  
ANDERSON, CHARLES H., Cambridge, Physics  
BIENKOWSKI, GEORGE K., Brighton, Engineering  
COBN, MORTON, Belmont, Engineering  
DIAMOND, JARED M., Brookline, Biophysics  
DIXON, WILLIAM B., Fall River, Chemistry  
EIGNER, JOSEPH, Swampscott, Biochemistry  
HOBBY, WILLIAM D., Peabody, Chemistry  
MATHews, MICHELINE M., Cambridge, Microbiology  
ROCKETT, THOMAS J., Medford, Earth Sciences  
SILVER, MARC S., Amherst, Biochemistry  
STRANG, WILLIAM G., Arlington Heights, Mathematics  
WATSON, RICHARD E., Brighton, Physics  
WILLIAMS, FORMAN A., Bedford, Engineering

#### *Senior Post Doctoral*

AUSLANDER, MAURICE, Waltham, Mathematics  
BUCHI, GEORGE H., Cambridge, Chemistry  
FORD, KENNETH W., Waltham, Physics

#### *Science Faculty*

BERMAN, MILDRED, Malden, Earth Sciences  
BOND, ROBERT S., Amherst, Agriculture  
DURFEE, WILLIAM H., South Hadley, Mathematics  
DEZALO, FREDERICK J., Amherst, Engineering  
HALL, GEORGE E., South Hadley, Chemistry  
HAYDEN, SEYMOUR, Worcester, Mathematics  
KNIPP, JULIAN K., Medford, Physics  
MONER, JOHN G., Amherst, Biology  
MURNANE, JOHN P., Springfield, Oceanography  
O'NEILL, ANNE F., Norton, Mathematics  
SOBALA, DANIEL, Amherst, Engineering

#### *Summer Fellowships for Secondary School Teachers*

ALVES, SR. M. MENRIC, Boston, Mathematics  
CREIGHTON, WILLIAM A., Milton, Biology  
ECCLES, FRANK M., Andover, Mathematics  
FALLA, SR. M. ANNATA, Brighton, Mathematics  
HONNEN, SR. JAMES F., Springfield, Biology

KELLETT, JEREMIAH J., Weston, Mathematics  
LANDER, ALAN, Avon, Chemistry  
LUX, JOHN R., Andover, Mathematics  
MCDONNELL, SR. IMMACULATA, Worcester, Mathematics  
MCGARRY, SR. M. ADRIA, Waltham, Chemistry

## MICHIGAN

### Graduate

ANDERSEN, CARL M., Richmond, Physics  
BAJEMA, CARL J., Grand Rapids, Genetics  
BALL, RICHARD J., Owosso, Psychology  
BECK, WILLIAM F., Lansing, Engineering  
BICKEL, THOMAS F., Detroit, Mathematics  
BUFE, CHARLES G., Sault Ste. Marie, Earth Sciences  
BUZZELLI, DONALD E., Detroit, Engineering  
CARROLL, ROBERT L., Mason, Biology  
COBURN, LEWIS A., Ann Arbor, Mathematics  
CONWELL, GEORGE W., Sawyer, Zoology  
DEBERT, MAX C., St. Johns, Engineering  
DEWITT, CALVIN B., Grand Rapids, Zoology  
FERRAR, JOSEPH C., Okemos, Mathematics  
FETTING, LYLE P., Petoskey, Social Sciences  
FISCHER, PATRICK C., Ann Arbor, Mathematics  
FOULSER, DAVID A., Ann Arbor, Mathematics  
GENSHAW, MARVIN A., Petoskey, Chemistry  
GEORGE, JAMES P., Southfield, Physics  
GIGNAC, DONALD A., Detroit, Mathematics  
GREENMAN, DAVID L., Lansing, Physiology  
GUSSIN, GARY N., Detroit, Biophysics  
GUYER, MELVIN J., Detroit, Psychology  
HAAS, TERRY E., St. Johns, Chemistry  
HOGG, GOTTFRIED, Detroit, Zoology  
JOKIPII, JACK R., Ironwood, Physics  
KEANA, JOHN F. W., Benton Harbor, Biochemistry  
KELLY, ROBERT C., Kalamazoo, Chemistry  
KESLER, DAVID P., Ann Arbor, Engineering  
LASHOV, CONNOR, Detroit, Mathematics  
LILLYA, CLIFFORD P., Ann Arbor, Chemistry  
MATWYOFF, NICHOLAS A., Rogers City, Chemistry  
MCLIRATH, THOMAS J., East Lansing, Physics  
MCVAUGH, MICHAEL R., Ann Arbor, Social Sciences  
MINTZ, LEIGH W., Royal Oak, Earth Sciences  
MITCHELL, LAWRENCE C., Ann Arbor, Chemistry  
MUMBERT, VERNON S., Brutus, Engineering  
OPOKA, CAROLYN M., Wyandotte, Chemistry  
OWENS, JAMES C., Grosse Pointe, Physics  
PARIZEK, ROBERT J., Bay City, Engineering  
PAYNE, ROBERT B., Niles, Zoology  
PETRIE, TED E., Lansing, Mathematics  
ROBERTSON, WAYNE M., Fremont, Engineering  
ROSS, DAVID W., Detroit, Physics  
SHULTZ, WENDELL A., Hastings, Mathematics  
SLOBIN, DAN I., Detroit, Psychology  
SMITH, GENE E., Ann Arbor, Engineering  
STREET, JAMES R., Detroit, Engineering  
TERHUNE, KENNETH W., East Lansing, Psychology  
TRABASSO, THOMAS R., East Lansing, Psychology  
TREADO, PAUL A., Ann Arbor, Physics  
VEECH, WILLIAM A., Pleasant Ridge, Mathematics  
WEBSTER, DALE A., Wyandotte, Biochemistry  
WESTERDALE, THOMAS H., Pontiac, Botany  
WESTON, ELIZABETH A., Detroit, Biochemistry

WINKLER, HERBERT H., Farmington, Medical Sciences  
WISEB, NATHAN, Detroit, Physics  
WOLF, LARRY L., Midland, Zoology  
WOLVERTON, FRANKLIN B., Ann Arbor, Physics  
WOOD, RODNEY D., Charlotte, Engineering  
ZIER, ROBERT E., Detroit, Psychology

### Cooperative Graduate

ALLARD, MARVEL J., East Lansing, Physics  
ARMSTRONG, ROBERT L., Kalamazoo, Engineering  
AUBEL, JOSEPH L., Lansing, Physics  
AXELBOD, EUGENE H., Detroit, Chemistry  
BARCOCK, MURIEL L., Detroit, Zoology  
BALDWIN, RANSOM L., East Lansing, Biology  
BLACK, WILLIAM L., Detroit, Engineering  
BLASS, WILLIAM E., East Lansing, Physics  
BRDEWEG, CORWIN J., Dorr, Chemistry  
BRIGGS, JAMES E., Ann Arbor, Engineering  
CANTWELL, JOHN C., Detroit, Mathematics  
COLFETZER, THOMAS R., East Lansing, Engineering  
DUNLAP, ROBERT W., Ann Arbor, Engineering  
GARLAND, HOWARD, Oak Park, Mathematics  
GILLINGHAM, KENT K., Ann Arbor, Medical Sciences  
GRANTNER, LEONARD J., Grand Blanc, Engineering  
HANNA, MARTIN S., Birmingham, Mathematics  
HARRISON, RANDALL P., East Lansing, Social Sciences  
HERNEVICH, JOHN, JR., Flint, Engineering  
HUNT, ROBERT H., Ann Arbor, Physics  
JUDSON, HARLOW M., Rockford, Engineering  
KALER, JAMES B., Ann Arbor, Astronomy  
KANIA, HENRY J., Detroit, Biology  
KAZDAN, JERRY L., Oak Park, Mathematics  
KNUTSON, ROGER M., East Lansing, Botany  
LEMAY, JOSEPH L., Ann Arbor, Engineering  
LINDMAN, HAROLD R., Ann Arbor, Psychology  
LITTLE, ROBERT E., Inkster, Engineering  
LUEHRS, DEAN C., Lansing, Chemistry  
MARCKWARDT, JUDITH M., Ann Arbor, Earth Sciences  
MCKINNEY, NORRIS P., Ann Arbor, Social Sciences  
POSNER, MICHAEL I., Ann Arbor, Psychology  
RANDALL, CHARLES M., East Lansing, Physics  
REVERSKI, CAROL J., Ann Arbor, Psychology  
RICHARDSON, ROBERT W., Ann Arbor, Physics  
ROSENFELD, ROBERT L., Jackson, Engineering  
RYAN, MARK E., Bad Axe, Chemistry  
SABASON, DONALD E., Detroit, Mathematics  
SCHWARTZ, ALAN S., Detroit, Engineering  
SCHWARTZ, HARLOW W., Hopkins, Engineering  
SIBBERT, SHEILA G., Ann Arbor, Psychology  
SILBAE, RICHARD R., Fenton, Physics  
SLOVIC, STEWART P., Ann Arbor, Psychology  
SUMMERFIELD, GEORGE C., East Lansing, Physics  
WALSH, BERTRAM J., Ann Arbor, Mathematics  
WILSON, CAROL M., Detroit, Biochemistry  
WOLFSON, SEYMOUR J., Detroit, Physics  
WOLSEY, WAYNE C., Battle Creek, Chemistry  
ZINN, KARL L., Marshall, Psychology

*Summer Fellowships for Graduate Teaching Assistants*

CORBETT, GAIL A., Ann Arbor, Botany  
ANDREWS, GEORGE H., Ann Arbor, Mathematics

AUBEL, JOSEPH D., Lansing, Physics  
 BELL, FREDERICK W., Detroit, Social Sciences  
 BERNSTEIN, STANLEY C., Ann Arbor, Chemistry  
 CVANCARA, ALAN M., Ann Arbor, Earth Sciences  
 DEHARDT, DORIS C., East Lansing, Psychology  
 DILLMAN, CHARLES D., Detroit, Social Sciences  
 DUBES, RICHARD C., East Lansing, Engineering  
 DUGGER, HARRY A., Ann Arbor, Chemistry  
 GRAHAM, SHIRLEY A., Grand Blanc, Botany  
 GULLAHORN, JEANNE E., East Lansing, Psychology  
 HATFIELD, ELAINE C., Detroit, Psychology  
 HEINSOHN, ROBERT J., East Lansing, Engineering  
 HERTEL, GEORGE R., Harper Woods, Chemistry  
 HILL, RONALD A., East Lansing, Physics  
 HOOVER, WILLIAM G., Ann Arbor, Chemistry  
 HOPPE, RONALD A., East Lansing, Psychology  
 HOUSTON, ANN H., Ann Arbor, Zoology  
 ISTOCK, CONRAD A., Grosse Pointe Woods, Zoology  
 MARTENS, HINRICH R., East Lansing, Engineering  
 MERCEB, MARVIN R., Ann Arbor, Psychology  
 NIEDZIELSKI, ROBERT J., Bay City, Chemistry  
 PONCHIE, JEANPIERRE M., Dearborn, Social Sciences  
 TEE HAAE, GARY L., Ann Arbor, Chemistry  
 TERHUNE, KENNETH W., East Lansing, Psychology  
 THOMPSON, RICHARD W., East Lansing, Psychology  
 RAMSEY, JAMES H., Detroit, Mathematics  
 SEBASTIAN, LOIS P., Ann Arbor, Psychology  
 SHIVER, DUWARD F., Ann Arbor, Chemistry  
 SMITH, PAUL E., Ann Arbor, Social Sciences  
 STIMMEL, DAVID T., Ann Arbor, Psychology  
 WEBB, KAREN E., Iron Mountain, Earth Sciences  
 WIETH, JOHN L., East Lansing, Engineering

*Postdoctoral*

BROWN, MORTON, Ann Arbor, Mathematics  
 HODGES, RONALD W., Lansing, Zoology  
 KIRSCH, JACK F., Detroit, Biochemistry  
 MCKNIGHT, LEE G., Ann Arbor, Chemistry  
 SCHUMACHER, CLIFFORD R., Detroit, Physics  
 SMART, JOHN R., East Lansing, Mathematics  
 STEWARD, OMAR W., Midland, Chemistry  
 VAN PUTTEN, JAMES D., Jr., Ann Arbor, Physics

*Senior Postdoctoral*

COON, MINOR J., Ann Arbor, Chemistry  
 HAYS, WILLIAM L., Ann Arbor, Mathematics  
 WRIGLEY, CHARLES F., East Lansing, Psychology

*Science Faculty*

BLUMAN, DEAN E., East Lansing, General Science  
 BOLT, JAY A., Ann Arbor, Engineering  
 CHAFFEE, WILLIAM B., East Lansing, Physics  
 CLOCK, DANIEL A., Marquette, Mathematics  
 DURBETAKI, PANDELI, East Lansing, Engineering  
 DYE, JAMES L., East Lansing, Chemistry  
 JOHNSON, KENSIE R., Houghton, Engineering  
 KAUFMAN, KURT D., Kalamazoo, Biochemistry

KRABNS, ROBERT W., Detroit, Engineering  
 MAHAN, HAROLD D., Mt. Pleasant, Zoology  
 MCCULLY, JOSEPH C., Kalamazoo, Mathematics  
 NORRIS, DOUGLAS M., Jr., Jackson, Engineering  
 NORTHEY, JAMES H., Ypsilanti, Mathematics  
 TURNER, WALTER W., Detroit, Mathematics  
 VANWESTENBURG, JOHN A., Houghton, Engineering

*Summer Fellowships for Secondary School Teachers*

BAUER, ERNEST A., Grosse Pointe, Mathematics  
 COMISKEY, SR. JEAN K., Utica, Biology  
 CONVERSE, SR. M. JE DARC, Grand Rapids, Biology  
 HAGER, DAVID L. Z., Mason, Biology  
 HAM, JOHN B., Grand Rapids, Biology  
 HARMON, MO. MARYELLEN, Grosse Pointe, Chemistry  
 HAUENSTEIN, JOHN L., Niles, Biology  
 KOHLHEPP, JOHN GRAM, Flint, Mathematics  
 LABATT, DEE W., Mendon, Biology  
 LOYET, CHARLES E., Flint, Mathematics  
 MANDOSSIAN, ADRIENNE, Detroit, Botany  
 MATSON, WILLIAM F., Montague, Biology  
 MICHELS, BRO. CYRIL LEO, Detroit, Chemistry  
 MOORE, CALVIN V., Detroit, Zoology  
 MULLINIX, DARREL D., Wayne, Biology  
 NYHOFF, VERNON D., Muskegon, Mathematics  
 PHILLIPS, GENE A., Corunna, Mathematics  
 RAKOCZY, SR. M. ANDRETTA, Hamtramck, Chemistry  
 SHULL, JERRY L., Ann Arbor, Biology  
 SMITKA, JOHN M., Jr., Detroit, Biology  
 TSCHIRHART, WILLIAM, Warren, Mathematics  
 VAN ANTWERP, ALAN E., Big Rapids, Mathematics  
 WODETZKI, SR. CATHERINE, Flint, Chemistry  
 ZYLSTRA, GERALD GERBEN, Kalamazoo, Biology

MINNESOTA

*Graduate*

AHERN, PATRICK R., St. Paul, Mathematics  
 ANSHUS, BYRON E., Minneapolis, Engineering  
 ARNESON, RICHARD M., Minneapolis, Zoology  
 BERG, JOHN C., Hopkins, Engineering  
 BLACK, MARY B., Minneapolis, Anthropology  
 COHEN, ROBERT R., Duluth, Zoology  
 CONE, RICHARD A., St. Paul, Physics  
 DEUTSCHE, CRAIG W., Minneapolis, Chemistry  
 DRATZ, EDWARD A., Minneapolis, Chemistry  
 ECKLUND, STANLEY D., Minneapolis, Physics  
 FRIEDMAN, LAWRENCE B., Duluth, Chemistry  
 FRISTEDT, BERT E., Hopkins, Mathematics  
 GAMELIN, THEODORE W., Robbinsdale, Mathematics  
 GORDON, STANLEY L., Walnut Grove, Engineering  
 GRANZBERG, GARY R., St. Paul, Anthropology  
 HAJICEK, JAMES D., Minneapolis, Physics  
 JANZEN, DANIEL H., Minneapolis, Zoology  
 JENSEN, TIMOTHY B., Minneapolis, Engineering  
 LOKEN, JAMES G., Minneapolis, Physics  
 LOWRY, THOMAS H., Minneapolis, Chemistry  
 MCKENZIE, DOUGLAS H., Minneapolis, Anthropology  
 NEWMAN, RILEY D., St. Paul, Physics

PTASHNE, MARK S., Minneapolis, Biophysics  
PULKRABEK, WILLARD W., St. Paul, Engineering  
RUSH, KENT R., Minneapolis, Chemistry  
SCHLEINITZ, HENRY M., DULUTH, Engineering  
SCHULTZ, GERALD E., Minneapolis, Earth Sciences  
SOMMER, DAVID C., St. Paul, Mathematics  
SOUTHWICK, DAVID L., Rochester, Earth Sciences  
STRYK, ROBERT A., St. Paul, Physics  
SWANSON, STANLEY M., St. Paul, Physics  
TAUER, SR. RITA J., St. Paul, Mathematics  
THOMAS, PAUL J., St. Paul, Biochemistry  
THURNAUER, PETER G., St. Paul, Physics  
URIZAM, REIN A., Moorhead, Physics  
WHITE, ROSCOE B., Minneapolis, Physics  
WILLETT, ROGER D., Northfield, Chemistry

#### *Cooperative Graduate*

AMBS, LAWRENCE L., Minneapolis, Engineering  
ANGELICI, ROBERT J., Rochester, Chemistry  
BECKER, PHILIP M., Minneapolis, Engineering  
BEEKMAN, JOHN A., St. Paul, Mathematics  
BRAUN, CHARLES L., Minneapolis, Chemistry  
BRODSKY, STANLEY J., St. Paul, Physics  
DUSSERE, PAUL L., Moorhead, Mathematics  
EFFRON, BRADLEY, St. Paul, Mathematics  
EKROOT, CHARLES G., Duluth, Engineering  
FLEMING, DAVID P., Minneapolis, Engineering  
GAUSTAD, JOHN E., Minneapolis, Astronomy  
GROVE, LARRY C., Minneapolis, Mathematics  
HAIGHT, CHARLES H., Minneapolis, Engineering  
HELLING, ROBERT B., Madella, Genetics  
HUEBER, CHARLES V., Bertha, Mathematics  
JOHNSON, LELAND G., Hadley, Zoology  
KIRCHNER, ROGER B., Minneapolis, Mathematics  
KLAY, ROBERT F., St. Paul, Agricultural Sciences  
KLINE, KENNETH A., Minneapolis, Engineering  
LANGE, ROBERT G., Pipestone, Mathematics  
LEVINE, JAMES L., Minneapolis, Physics  
MIDDAUGH, MICAL E., Minneapolis, Zoology  
OAKES, THOMAS R., Minneapolis, Chemistry  
ORIEL, PATRICK J., Stillwater, Chemistry  
PFITZER, KARL A., Duluth, Physics  
RECK, GENE P., Minneapolis, Chemistry  
SAPPENFIELD, DALE S., Minneapolis, Chemistry  
TORVIK, PETER J., Minneapolis, Engineering  
VANDERZIEL, JAN P., Minneapolis, Engineering  
YENNIX, ALAN J., South St. Paul, Engineering  
VISTE, ARLEN E., Austin, Chemistry  
WALKER, JAMES F., Jr., Minneapolis, Physics

#### *Summer Fellowships for Graduate Teaching Assistants*

COFFMAN, ROBERT E., Minneapolis, Chemistry  
BEAUDOIN, JEAN M., Duluth, Engineering  
BLOCK, DOUGLAS A., East Grand Forks, Earth Sciences  
GREEN, SANDRA J., Coleraine, Zoology  
GROVE, LARRY C., Minneapolis, Mathematics  
HUEBER, CHARLES V., Bertha, Mathematics  
MCANDREWS, JOHN H., St. Paul, Biology  
PARKER, HELEN M., St. Paul, Chemistry  
YENNIX, ALAN J., South St. Paul, Engineering  
RECK, GENE P., Minneapolis, Chemistry  
SATHER, DUANE P., Minneapolis, Mathematics

STORMS, HOWARD A., Ada, Chemistry  
WEINMANN, JOAN M., Granada, Chemistry  
WOOD, JOHN B., Minneapolis, Mathematics  
WOODBURY, GEORGE W., Jr., Minneapolis, Chemistry

#### *Postdoctoral*

ARONSON, DONALD G., Minneapolis, Mathematics  
CAMPBELL, DAVID P., St. Paul, Psychology  
DAWES, CLINTON J., Robbinsdale, Botany  
GARLAND, WILLIAM, Minneapolis, Anthropology  
RICHTER, MARCEL K., St. Paul, Mathematics  
THOMPSON, TRAVIS I., St. Paul, Psychology

#### *Senior Postdoctoral*

BRATED, ROBERT C., Minneapolis, Chemistry  
JOHNSTON, LAWRENCE H., Minneapolis, Physics  
ORB, STEVEN, Minneapolis, Mathematics

#### *Science Faculty*

ANDERSON, LEROY T., Minneapolis, Engineering  
ROSSING, THOMAS D., Northfield, Physics  
STANAITS, OTONAS E., Northfield, Mathematics  
STENSTROM, ROBERT C., Minneapolis, Mathematics

#### *Summer Fellowships for Secondary School Teachers*

ACQUARD, RICHARD H., Austin, Mathematics  
COULTER, JOHN C., Mound, Biology  
DINGLE, JAMES H., Elk River, Mathematics  
HAUGEN, LYLE J., Pelican Rapids, General Science  
HENDRICKSON, ARTHUR D., Tower, Mathematics  
HITI, LUDWIG F., Cloquet, Mathematics  
OLSON, ALLAN L., South St. Paul, Mathematics  
PROUSE, HOWARD LEE, Mankato, Mathematics  
SCHROEDER, DENNIS S., Waseca, Chemistry  
THEIS, SR. JEAN M., Wabasha, Biology  
VAN LOON, RUSSELL JOE, Robbinsdale, Mathematics

#### MISSISSIPPI

#### *Graduate*

BALGORD, WILLIAM D., Jackson, Earth Sciences  
BROAD, ANNE L., Jackson, Biology  
MURPHY, JAMES L., Pontotoc, Mathematics  
MURRILL, PAUL W., Jackson, Engineering  
NAMKOONG, GENE, Gulfport, Genetics  
ROGERS, CECIL A., Jr., Jackson, Psychology

#### *Cooperative Graduate*

CAVIN, RALPH K., Natchez, Engineering  
DAVIS, WILLIAM M., Columbus, Genetics  
HOLLAND, HUGH O., Jr., Louisville, Chemistry  
LOWTHER, JAMES D., Jackson, Engineering  
MCCAIN, MICHAEL L., Merigold, Engineering  
POUNDS, DONNIE J., Booneville, Engineering  
RICKS, JAMES V., Jr., Greenwood, Engineering  
SIMPSON, WILBURN D., Jackson, Physics  
SUBER, LEWIS A., Jr., Jackson, Engineering  
TROTTER, JAMES D., Bolton, Engineering

*Summer Fellowships for Graduate Teaching Assistants*

HARRIS, RICHARD B., Jackson, Social Sciences  
ROBINSON, JAMES V., Jr., Laurel, Psychology  
ROSSO, SAMUEL W., Centreville, Botany  
WILKINSON, KENNETH P., Starkville, Social Sciences

*Postdoctoral*

HUDSON, ANNE L., Inverness, Mathematics

*Science Faculty*

CARNES, WALTER R., State College, Engineering  
GRACE, EDWARD E., Corinth, Mathematics  
LEWIS, JESSE C., Jackson, Mathematics

*Summer Fellowships for Secondary School Teachers*

AUSTIN, GLADYS, Meridian, Biology  
BEGLEY, GRACE B., Jackson, General Science  
DANIEL, ARMY, Jr., Jackson, General Science  
GOODGAME, LUCILE E., Laurel, Mathematics  
JONES, DOROTHY LOUISE, Canton, Biology  
LEWIS, ROBERT L., Hattiesburg, Microbiology  
LEWIS, RUTH TODD, Okolona, General Science  
TILLMAN, MARGARET H., Bruce, General Science  
WILSON, WILLIAM RAY, Port Gibson, Mathematics

MISSOURI

*Graduate*

BAILEY, RICHARD C., St. Louis, Engineering  
BERGMAN, ROBERT K., Columbia, Physiology  
BRIDGER, ROBERT F., Joplin, Chemistry  
DOIG, MARILYN L., Independence, Mathematics  
ECKERT, CHARLES A., St. Louis, Engineering  
ELSON, ELLIOT L., Ladue, Biochemistry  
FORNEY, G. DAVID, Jr., St. Louis, Engineering  
FRANKEL, RICHARD B., Columbia, Chemistry  
HERKSTROETER, WILLIAM, St. Louis, Chemistry  
HIATT, VIVIAN S., Florissant, Zoology  
JONES, LEE B., Caruthersville, Chemistry  
KREBS, CHARLES J., St. Louis, Biology  
KWENTUS, GERALD K., Kirkwood, Engineering  
LAUGHLIN, PATRICK R., St. Louis, Psychology  
McMAHON, LEE E., St. Louis, Psychology  
MUNCH, JOHN H., Webster Groves, Chemistry  
MYERS, WAYNE W., St. Louis, Biochemistry  
NANCE, JON R., Springfield, Physics  
PARKHURST, LAWRENCE J., Kansas City, Chemistry  
STONE, HAROLD S., Clayton, Engineering

*Cooperative Graduates*

BALL, WILLIAM F., Slater, Physics  
BARNETT, DONALD L., Hannibal, Mathematics  
BROWN, LARRY N., Springfield, Zoology  
BUMCROT, ROBERT J., Columbia, Mathematics  
CONRAD, JOSEPH R., Bowling Green, Chemistry  
COOK, ROBERT A., University City, Mathematics

FLACHSBART, BARRY B., St. Louis, Engineering  
HAGEN, DAVID C., St. Louis, Engineering  
KRONK, WILLIAM J., St. Louis, Engineering  
LICKLEY, MARVIN E., Marshall, Psychology  
LUCKETT, WINTIE P., Kansas City, Zoology  
MCCOOL, DONALD K., Cameron, Engineering  
MCNEES, ROBERT S., Kansas City, Chemistry  
MYERS, THOMAS W., Liberal, Engineering  
ROSENBERGER, FREDERICK, Kirkwood, Engineering  
SCHRAUTEMBIER, BERNARD, St. Louis, Physics  
STEINER, EUGENE F., Columbia, Mathematics  
THORP, JAMES S., Kansas City, Engineering  
WOLF, LAWRENCE J., St. Louis, Engineering  
WOLFF, CAROLE E., Columbia, Social Sciences

*Summer Fellowships for Graduate Teaching Assistants*

BUMCROT, ROBERT J., Columbia, Mathematics  
CRAIG, WILLIAM W., Excelsior Springs, Earth Sciences  
LONG, LELAND L., Rolla, Engineering  
HANSEN, SPENST M., Rolla, Earth Sciences  
HAZEL, JOSEPH E., Caruthersville, Earth Sciences  
JONES, LEE B., Caruthersville, Chemistry  
JONES, PETER F., Kansas City, Chemistry  
MERSMANN, HARRY J., St. Louis, Zoology  
VANSANT, CARL A., Clinton, Engineering  
ROSSNER, LAWRENCE F., University City, Physics  
SCHRAUTEMBIER, BERNARD, St. Louis, Physics  
STARRE, NORTON L., Kansas City, Mathematics  
STEINER, EUGENE F., Columbia, Mathematics  
WELLING, DAN J., St. Louis, Physics

*Postdoctoral*

ASKEY, RICHARD A., St. Louis, Mathematics  
HARMONY, MARLIN D., Kansas City, Chemistry  
NUSSBAUM, ADOLF E., University City, Mathematics

*Senior Postdoctoral*

BOOTHBY, WILLIAM M., St. Louis, Mathematics  
LARK, KARL G., St. Louis, Zoology  
LEVITT, JACOB, Columbia, Botany  
SEGAL, HAROLD L., St. Louis, Biochemistry

*Science Faculty*

BENNINGFIELD, LLOYD M., Columbia, Engineering  
CAUDLE, RODNEY D., Rolla, Engineering  
GERBER, CHARLES E., St. Louis, Engineering  
GOLDBAKER, JACOB K., St. Louis, Mathematics  
HANSEN, PETER G., Rolla, Engineering  
LAGO, GLADWYN V., Columbia, Engineering  
NOWACKI, C. R., Rolla, Engineering  
SHELTON, GEORGE C., Columbia, Medical Sciences  
THOMAS, JAMES F., Jr., Marshall, Physics

*Summer Fellowships for Secondary School Teachers*

DRELL, LOUIS, St. Louis, Physics  
DREBES, CHARLES B., Chesterfield, Mathematics  
FACETTE, BRO. JAMES L., St. Louis, Physics  
GUNDRUM, BRO. HOWARD, Kirkwood, Mathematics  
HIX, SR. PATRICIA M., St. Louis, Mathematics

HOGER, CHARLES E., St. Louis, Zoology  
MAGRUDER, WILLIS J., Kirksville, General  
Science  
McCORMICK, SR. M. AUSTIN, St. Louis, Bi-  
ology  
MORRIS, MARY E., Webster Groves, Mathe-  
matics  
OSCHWALD, RICHARD A., Maryville, Mathe-  
matics  
PARKER, JOHN DOYLE, Herculaneum, Bi-  
ology  
PIERCE, CORNELL DAVID, Webster Groves,  
Mathematics  
SPEH, SR. M. EDWARD PAUL, St. Louis,  
Chemistry  
TUCKER, SR. MARGARET E., St. Louis, Bi-  
ology  
WATSON, ROBERT N., Ferguson, Biology  
WILLIAMS, GEORGE IRVIN, Maryville, General  
Science

## MONTANA

### Graduate

IHLER, GARRET M., Great Falls, Biochemistry  
RENNE, ROGER L., Bozeman, Mathematics  
VINCELETTE, RICHARD R., Billings, Earth  
Sciences

### Cooperative Graduate

HUFF, NORMAN T., Sunburst, Chemistry  
KRUEGER, DAVID A., Sidney, Physics  
MOUNTAIN, RAYMOND D., Billings, Physics  
NELSON, RICHARD L., Shelby, Engineering  
SACKETT, GARY G., Bozeman, Mathematics  
SILVER, JACK H., Missoula, Mathematics

### Summer Fellowships for Graduate Teaching Assistants

CLAUSEN, CARLA R., Missoula, Microbiology  
BINGHAM, RALPH L., Missoula, Mathematics  
CAMERON, DAVID G., Great Falls, Biology

### Science Faculty

CAUGHLAN, GEORGEANNE R., Bozeman,  
Physics  
DURNFORD, ROBERT F., Bozeman, Engineering  
GERRY, HENRY E., Bozeman, Chemistry

### Summer Fellowships for Secondary School Teachers

COYLE, SR. PAUL J., Butte, Mathematics  
LEPLEY, JOHN G., Fort Benton, Biology  
STEFFEN, SR. M. LUCIANA, Ashland, Biology

## NEBRASKA

### Graduate

ANDERSEN, JOHN P., Omaha, Mathematics  
BAUER, WILLIAM R., McCook, Chemistry  
BOLAR, MARLIN L., Lincoln, Botany  
CASSEL, DAVID G., Ainsworth, Physics  
FRAHM, RICHARD R., Lyman, Agricultural  
Sciences  
GRADWOHL, DAVID M., Lincoln, Anthropology  
MCARTHUR, DONALD E., Lincoln, Physics  
WRIGHT, BRADFORD L., Lincoln, Physics

### Cooperative Graduate

ANDERSON, JOHN S., Kearney, Biochemistry  
ANDERSON, SONIA R., Omaha, Biochemistry  
BARNES, AARON, Omaha, Physics  
DANKLEFF, MARY A., Avoca, Chemistry

HERZOG, JOHN O., Lincoln, Mathematics  
LAETSCH, THEODORE W., Seward, Physics  
LANG, WAYNE W., Lincoln, Physics  
PARK, JOHN T., Lincoln, Physics  
SCHUTZ, WILFRED M., Eustis, Genetics  
SKOV, CHARLES E., Riverdale, Physics

### Summer Fellowships for Graduate Teaching Assistants

BECKERBAUER, RICHARD, Lincoln, Chemistry  
HERZOG, JOHN O., Lincoln, Mathematics  
SWANSON, JAMES A., Aurora, Chemistry  
SULLIVAN, GEORGE A., Lincoln, Physics

### Postdoctoral

BLEICHER, MICHAEL N., Omaha, Mathematics  
HOLCOMB, DAVID N., Hartington, Chemistry  
WORLOCK, JOHN M., Kearney, Physics

### Science Faculty

HANSEN, PAUL V., Jr., Blair, Chemistry  
MOORE, CARROLL L., Lincoln, Astronomy  
WELSON, LELAND Y., Lincoln, Chemistry

### Summer Fellowships for Secondary School Teachers

ADAMY, NICK L., Beaver City, Biology  
ALBERDING, ARTHUR P., Jr., Ord, Mathe-  
matics  
GROSS, SR. M. STEPHANIE, Fremont, Biology  
HEFFNER, SR. M. CLARETTA, Greeley, Chem-  
istry  
HEISER, MARION S., Omaha, Mathematics  
JOHNSON, DONALD B., Omaha, Mathematics  
STONES, IVAN D., Morrill, Mathematics  
VANOVER, BENJAMIN, Holdrege, Biology

## NEVADA

### Graduate

SIBBALD, GAETH H., Reno, Social Sciences

### Summer Fellowships for Secondary School Teachers

ANDERSON, HOWARD V., Hawthorne, Math-  
ematics  
STERRER, BOB FARREL, Las Vegas, Biology

## NEW HAMPSHIRE

### Graduate

BROWN, VERNE R., Dover, Engineering  
ROBINSON, PETER, Hanover, Earth Sciences  
WING, HAROLD C., Concord, Engineering

### Cooperative Graduate

RUTLEDGE, EDWARD F., Dublin, Psychology  
TUTTLE, ELIZABETH R., Conway, Physics

### Summer Fellowships for Graduate Teaching Assistant

BEAUDOIN, RICHARD L., Manchester, Zoology  
LAVINE, WILLIAM S., Dover, Zoology  
MORRIS, JOHN R. II, Durham, Chemistry  
VALLIERE, ELAINE S., Berlin, Zoology  
STIMSON, RONALD M., Dover, Chemistry

### Science Faculty

CLARK, RONALD E., Durham, Engineering  
LONG, CARL F., Hanover, Engineering  
LYONS, JOHN B., Hanover, General Science



*Summer Fellowships for Secondary School Teachers*

COSTELLO, SR. M. BEATRICE, Manchester, Biology  
PELLETIER, SR. MARIE C., Hudson, Biology

**NEW JERSEY**

*Graduate*

ANAGNOSTAKIS, CHRISTO, Princeton, Mathematics  
BENNETT, JAMES H., Princeton, Mathematics  
BERNER, ROBERT A., Leonia, Earth Sciences  
BURK, CREIGHTON A., Princeton, Earth Sciences  
CALDWELL, DENNIS J., Penns Grove, Chemistry  
CALLAN, CURTIS G., Jr., Little Silver, Physics  
CARLSMITH, JAMES M., Summit, Psychology  
CASSIDY, PATRICK J., Atlantic Highlands, Chemistry  
CHAIKEN, JAN M., Rahway, Physics  
COBURN, STEPHEN P., Summit, Biochemistry  
CONRAD, PETER W., East Rutherford, Engineering  
DAVIS, BRIAN T., Princeton, Earth Sciences  
FAHNEY, DAVID E., Fort Lee, Biochemistry  
FLEISCHMAN, WILLIAM M., East Orange, Mathematics  
FORREST, HELEN E., Upper Montclair, Zoology  
FRIEDMAN, KENNETH A., Highland Park, Physics  
GEORGE, ALBERT R., Jr., Princeton, Engineering  
GILL, HELEN K., West Englewood, Biochemistry  
GLASHAUSER, CHARLES, Glen Ridge, Physics  
GRAF, RONALD E., Passaic, Physics  
HAND, BRYCE M., Jersey City, Earth Sciences  
HARTUNG, ROLF, Fairlawn, Zoology  
HAYS, JAMES F., Short Hills, Earth Sciences  
HECHTEL, MAUREEN A., Irvington, Microbiology  
HINNERS, NOEL W., Chatham, Earth Sciences  
HOLZWARTH, GEORGE M., Westfield, Biophysics  
HUBER, DAVID L., Toms River, Physics  
HUTCHINSON, JOHN W., Bridgeton, Engineering  
JOHNSON, JOSEPH L., JR., Upper Montclair, Mathematics  
KAYSER, BORIS J., Lakewood, Physics  
KEENAN, EDWARD M., East Orange, Mathematics  
KENNELL, JOHN G., Point Pleasant, Physics  
KOCH, JOHN F., Oakhurst, Physics  
KOVER, WARNER B., Rochelle Park, Chemistry  
KEEPS, RODNEY E., Princeton, Physics  
LAMOLA, ANGELO A., Newark, Chemistry  
LAWRENCE, DAVID R., Pitman, Earth Sciences  
LOMET, DAVID B., Oakhurst, Biophysics  
MERRILL, DEANE W., JR., South Orange, Physics  
MILLMAN, MICHAEL G., Summit, Physics  
MOLLOW, BENJAMIN R., Union, Physics  
NOBLE, JAMES J., Mount Holly, Chemistry  
PICARD, MEREDITH D., Princeton, Earth Sciences  
PILLA, MICHAEL A., Trenton, Engineering  
POAGE, JAMES F., Morristown, Engineering  
PRICE, BARBARA J., Fort Monmouth, Anthropology  
ROGERS, JOSEPH E., JR., Moorestown, Chemistry

SEYBOLD, PAUL G., Collingswood, Biophysics  
SINNIS, JAMES, Hoboken, Physics  
STEVENS, RICHARD M., Audubon, Chemistry  
THIESSEN, HENRY A., Dumont, Physics  
ULLRICH, FELIX T., Cranford, Physics  
VEZZETTI, DAVID J., Hoboken, Physics  
VILMS, JURI, Seabrook, Engineering  
VINCZ, GLORIA A., Fords, Physiology  
WAGONER, ROBERT V., JR., West Englewood, Engineering  
YONKERS, KATHERINE E., Mountain Lakes, Biology

*Cooperative Graduate*

ANDREWS, PETER B., Tenafly, Mathematics  
BRADY, PETER M., JR., West Orange, Mathematics  
BURKE, JAMES A., Andover, Astronomy  
CHARLAP, LEONARD S., Penns Grove, Mathematics  
COHEN, JACK K., Newark, Mathematics  
COZZARELLI, NICHOLAS R., Jersey City, Medical Sciences  
DEDOMINICIS, ALEX J., Union City, Chemistry  
FESQ, ROBERT M., Teaneck, Mathematics  
FISHER, CYNTHIA J., New Brunswick, Zoology  
FLANIGAN, FRANCIS J., Jersey City, Mathematics  
FRIEDMAN, MARCELLE, Newark, Mathematics  
GOLD, HARRY S., Pennsauken, Engineering  
HALPERN, GERALD M., Jersey City, Physics  
HILL, DAVID B., Hoboken, Mathematics  
HOLSTEN, RICHARD D., Pennington, Biology  
JEFFERSON, JAMES W., Westwood, Medical Sciences  
JOHNSTON, DAVID L., Livingston, Engineering  
KOWAL, ROBERT R., Rochelle Park, Botany  
LASIEWSKI, ROBERT C., Maywood, Zoology  
MCLEO, THOMAS J., Teaneck, Mathematics  
PELIOS, ANGELO, North Plainfield, Mathematics  
PERRY, CLARK W., Ridgedale, Chemistry  
POLAND, DOUGLAS C., Westfield, Chemistry  
PROGELHOF, RICHARD C., West Orange, Engineering  
QUILLEN, DANIEL G., East Orange, Mathematics  
RABINOWITZ, PAUL H., Hillside, Mathematics  
SEITCHIK, JEROLD A., Merchantville, Physics  
STALLARD, CAROLYN, Towaco, Botany  
STERN, STEPHEN M., North Bergen, Engineering  
WEISS, STEPHEN M., Newark, Mathematics  
WESSELY, ROBERT M., New Brunswick, Physics  
ZENACK, NATHAN B., Bloomfield, Engineering  
ZIRKEL, EUGENE J., Bayonne, Mathematics

*Summer Fellowships for Graduate Teaching Assistant*

CHARLAP, LEONARD S., Penns Grove, Mathematics  
BODKIN, RONALD G., Wenonah, Social Sciences  
FORREST, HELEN F., Upper Montclair, Zoology  
FRANKE, CHARLES H., Bloomfield, Mathematics  
GORRES, BYRON T., Princeton, Chemistry  
GURST, JEROME E., Margate City, Chemistry  
LIBERA, RICHARD J., New Brunswick, Mathematics  
HEWITSON, WALTER M., Neptune, Botany

KARLSSON, MARGARET A., River Edge, Chemistry  
KIEFFER, RALPH W., Clinton, Engineering  
LANDI, VINCENT R., Skillman, Chemistry  
MANNING, ROBERT E., Paramus, Chemistry  
MEINZER, RICHARD A., Hanover, Chemistry  
MICALE, MARIE T., Belmar, Chemistry  
PURYEAR, STANLEY R., Asbury Park, Mathematics  
ROBINSON, LEWIS, Beach Haven, Chemistry  
ROTH, LORRAINE L., New Brunswick, Psychology  
STRUZYSKI, RAYMOND E., Jersey City, Physics  
WESSELY, ROBERT M., New Brunswick, Physics

#### *Postdoctoral*

ADLER, ALFRED W., Franklin Park, Mathematics  
BARTH, ROBERT H., Jr., Ridgewood, Physiology  
BURNS, GEORGE, Princeton, Chemistry  
DOLOTTA, THEODORE A., Millburn, Engineering  
EISENBERG, ADI, Princeton, Chemistry  
ERNEST, JOHN A., Princeton, Mathematics  
GLUCK, HERMAN R., Princeton, Mathematics  
GREENLEAF, NEWCOMB, Princeton, Mathematics  
KALLENBACH, NEVILLE R., West New York, Chemistry  
KESSEL, ROSSLYN W., New Brunswick, Microbiology  
KOLZUN, DANIEL S., Princeton, Physics  
MANNING, ROBERT E., Paramus, Chemistry  
POSNER, MARTIN, Princeton, Physics  
SOVERS, OJARS J., Princeton, Chemistry  
VAUGHAN, WORTH E., Tenafly, Chemistry  
WOLFF, STEPHEN S., Princeton, Engineering

#### *Senior Postdoctoral*

BOSTICK, WINSTON H., Hoboken, Physics  
GROSS, PAUL R., Leonia, Microbiology  
LIEHR, ANDREW D., Morristown, Chemistry  
MAXWELL, JOHN C., Princeton, Earth Sciences  
STRAUSS, ULRICH P., New Brunswick, Chemistry

#### *Science Faculty*

DELLATORRE, EDWARD, New Brunswick, Physics  
JOHNSON, EBEN L., East Orange, Earth Sciences  
MCGAR FRANK H., Jr., New Brunswick, Physics  
MOLONY, DONALD A., New Brunswick, Engineering

#### *Summer Fellowships for Secondary School Teachers*

BARBARITO, EDWARD R., Paterson, Chemistry  
COLLARD, ARTHUR L., Hackensack, Mathematics  
DARLINGTON, C. LEROY, Maplewood, Chemistry  
DAVIDOWSKI, ANTHONY F., Mountain Lakes, Mathematics  
DEISCOLL, BRO. MICHAEL P., Newark, Physics  
FRAMINGO, MARGARET, Vineland, Mathematics  
FOX, B. MERIDENE, Tenafly, Mathematics  
HEROLD, VINCENT R., Ramsey, Biology  
KELLER, SR. PAUL M., North Wildwood, Biology

LAJEWSKI, SR. M. FIRMINA, Sparta, Mathematics  
LUTSKE, HARRY, Newark, Biology  
MCDONNELL, SR. M. PHILOTHEA, Bayonne, Biology  
MCGUINNESS, ROBERT A., Jersey City, Mathematics  
SALBERNO, SALVATORE W., Newark, Mathematics  
SCHOEN, SR. M. MYRONA, North Plainfield, Mathematics  
SELTZER, MORTON, Newark, Mathematics  
WALDSTEIN, MORRIS, Paterson, Physics

#### NEW MEXICO

##### *Graduate*

ATKINSON, WILLIAM W., Albuquerque, Earth Sciences  
BERGSTRESSER, THOMAS, Los Alamos, Physics  
DIEBOLD, ROBERT E., Los Lunas, Physics  
DOWDLE, JOHN R., Deming, Mathematics  
EGBERT, LARRE N., Los Alamos, Genetics  
EMRICH, ROBERT L., Gallup, Anthropology  
HARRIS, ARTHUR H., Albuquerque, Zoology  
SHLAER, WILLIAM J., Los Alamos, Physics  
THOMPSON, RICHARD S., Hobbs, Physics  
WALSH, JOSEPH M., Santa Fe, Biochemistry

##### *Cooperative Graduate*

CONVERSE, GLENN L., Albuquerque, Engineering  
GARCIA, MARGOT W., Albuquerque, Physiology  
MOTT, DAVID L., Las Cruces, Physics

##### *Summer Fellowships for Graduate Teaching Assistants*

DIXON, HOBART N., Santa Fe, Biology  
GENNARO, ANTONIO L., Albuquerque, Zoology  
MITCHELL, ALFRED R., Las Cruces, Mathematics  
WILLIAMS, FRANK M., Las Cruces, Mathematics

##### *Postdoctoral*

KINGSBURY, CHARLES A., Albuquerque, Chemistry

##### *Summer Fellowships for Secondary School Teachers*

BONHAGEN, FREDERICK H., Santa Fe, Mathematics  
CLEEK, NATHAN H., Sr., Hagerman, Mathematics  
MCCRARY, OLLIE W., Silver City, Botany  
MITCHELL, ROBERT C., Anthony, Physics

#### NEW YORK

##### *Graduate*

ALFF, CYNTHIA E., New York, Physics  
AUEB, HENRY E., New Rochelle, Biochemistry  
BARASH, NAOMI E., Brooklyn, Mathematics  
BARSEHAY, JACOB, Brooklyn, Mathematics  
BATT, RUSSELL H., Jamestown, Chemistry  
BAUM, PAUL F., New York, Mathematics  
BECK, BERNARD, Bronx, Social Sciences  
BECKER, MARTIN, New York, Engineering  
BERGER, ROBERT, Freeport, Engineering  
BERNOLD, STANLEY, Flushing, Earth Sciences  
BISHOP, ALISON, Ithaca, Zoology

**BODE, RAYMOND R.**, Valley Stream, Engineering  
**BOYLAN, EDWARD S.**, New York, Mathematics  
**BRAGO, LINCOLN H.**, Orchard Park, Mathematics  
**BRAU, CHARLES A.**, Malverne, Engineering  
**BREGSTONE, EDWARD**, Brooklyn, Engineering  
**BREINDEL, BABBY**, New York, Engineering  
**BREINDEL, PHILIP J.**, Woodside, Engineering  
**BRESLAU, MICHAEL**, Troy, Engineering  
**BRODO, IRWIN M.**, New York, Botany  
**CANN, ROSS S.**, Brooklyn, Earth Sciences  
**CASBY, KENNETH P.**, Jackson Heights, Mathematics  
**COHEN, NATALIE S.**, Floral Park, Long Island, Biology  
**COOK, DAVID M.**, Troy, Physics  
**COOK, STEPHEN A.**, Clarence, Mathematics  
**CORNWELL, ROBERT G.**, Rochester, Physics  
**CRIM, DONALD E.**, Ithaca, Anthropology  
**DALY, DANIEL F.**, Brooklyn, Physics  
**DANCIS, JEROME**, Brooklyn, Physics  
**DEWSBURY, DONALD A.**, Wantagh, Psychology  
**DONNELLY, JOSEPH P.**, Brooklyn, Engineering  
**DORFMAN, BEN ZION**, Brooklyn, Botany  
**DUSHMAN, MIRIAM B.**, New York, Biophysics  
**ECKHART, WALTER**, Yonkers, Biophysics  
**EINBINDER, HERBERT M.**, Far Rockaway, Physics  
**EISENBERG, JUDAH M.**, Forest Hills, Physics  
**EISENSTEIN, BOB I.**, New York, Physics  
**ENGELS, JOAN C.**, Malverne, Earth Sciences  
**FALTE, LEONARD M.**, Bronx, Mathematics  
**FRIN, BURTON I.**, Brooklyn, Mathematics  
**FELDMAN, MARTIN**, Brooklyn, Physics  
**FENNESSEY, JAMES P.**, North Syracuse, Chemistry  
**FETZ, EBERHARD E.**, Troy, Physics  
**FINE, TERENCE L.**, Bronx, Engineering  
**FRANCO, VICTOR**, New York, Physics  
**FREED, JACK H.**, Brooklyn, Chemistry  
**FRET, JEFFREY I.**, Brooklyn, Engineering  
**FRIEDBERG, RICHARD M.**, New York, Physics  
**FRIEDMAN, DAVID**, Brooklyn, Mathematics  
**FRUCHTBAUM, HAROLD**, Brooklyn, Social Sciences  
**GASTWIERT, JOSEPH L.**, Rego Park, Mathematics  
**GRIST, GRACE E.**, Forest Hills, Mathematics  
**GENTNER, DONALD R.**, Springville, Chemistry  
**GROGHAN, ROBERT E.**, Brooklyn, Mathematics  
**GERSTEN, STEPHEN M.**, Utica, Mathematics  
**GEWIRTZ, STEPHEN J.**, Brooklyn, Mathematics  
**GEZELTER, JOSEPH**, New York, Physics  
**GINSBERG, EDWARD S.**, New York, Physics  
**GINSBERG, JONATHAN I.**, Forest Hills, Mathematics  
**GLAUBERMAN, GEORGE**, Richmond Hill, Mathematics  
**GLAUBIGER, DANIEL L.**, Brooklyn, Mathematics  
**GOLDIN, KENNETH D.**, Staten Island, Social Sciences  
**GOLDBABER, ALFRED S.**, Bayport, Physics  
**GOLDMAN, JAY B.**, Brooklyn, Mathematics  
**GOLDSTEIN, ROBERT**, South Ozone Park, Engineering  
**GOLUB, ROBERT**, New York, Physics  
**GOODMAN, JOHN M.**, Ithaca, Physics  
**GOTTLIEB, JOAN A.**, Brooklyn, Mathematics  
**GRAPPEL, SARAH F.**, Brooklyn, Microbiology  
**GREEN, MICHAEL E.**, Brooklyn, Biochemistry  
**GREENEBAUM, MICHAEL**, Brooklyn, Physics  
**GRENBACH, SHEILA A.**, New Rochelle, Mathematics  
**GROSBERG, STEPHEN**, Jackson Heights, Mathematics  
**GROSSMAN, DAVID D.**, New York, Physics  
**GUNTHER, LEON**, Brooklyn, Physics  
**HALPERIN, BERTRAND I.**, Cambridge, Physics  
**HANDL, DAVID**, Flushing, Long Island, Mathematics  
**HARRIS, CHARLES S.**, Great Neck, Psychology  
**HAVENDER, WILLIAM R.**, New York, Genetics  
**HECKEL, PHILIP H.**, Rochester, Earth Sciences  
**HEIKO, LANCE K.**, New York, Physics  
**HEILWEIL, BERNARD H.**, New York, Engineering  
**HEIMBURG, RICHARD W.**, Tonawanda, Engineering  
**HERROG, STANLEY**, New York, Engineering  
**HICKS, NANCY E.**, Staten Island, Physics  
**HILL, CHARLES G., Jr.**, Elmira, Engineering  
**HIRSCH, BIL**, Brooklyn, Social Sciences  
**HOLTSMAN, ERIC**, Bronx, Zoology  
**HOLSSAGER, RICHARD A.**, New York, Mathematics  
**HYLAND, MICHAEL J.**, New York, Engineering  
**HYMAN, EMILE**, Flushing, Physics  
**INKLES, DAVID M.**, Lawrence, Social Sciences  
**IRVING, DAVID C.**, Plymouth, Physics  
**ISAACS, IRVING M.**, Bronx, Mathematics  
**JAFFE, ARTHUR M.**, Pelham, Physics  
**KAHN, PETER J.**, Forest Hills, Mathematics  
**KAHN, ROBERT E.**, Flushing, Engineering  
**KAMMER, ANN E.**, Auburn, Zoology  
**KAPLAN, LEONARD**, Bronx, Chemistry  
**KASDAN, JOHN M.**, New York, Mathematics  
**KASTL, ALBERT J.**, New York, Psychology  
**KATCHER, ALAN M.**, Brooklyn, Engineering  
**KELLY, DAVID C.**, New Rochelle, Mathematics  
**KENDALL, ROBERT L.**, Rochester, Zoology  
**KENNINGSON, JOHN F.**, St. Albans, Mathematics  
**KOHLER, WERNER E.**, Yonkers, Engineering  
**KRIEGER, JOSEPH B.**, Brooklyn, Physics  
**KRIPKE, BERNARD R.**, Scarsdale, Mathematics  
**KRUBINER, ALAN M.**, Bronx, Chemistry  
**LANDMAN, MAURICE A.**, Jamaica, Mathematics  
**LANFORD, OSCAR E., III**, Castleton-on-Hudson, Physics  
**LASHER, RICHARD J.**, Germantown, Engineering  
**LESE, ARTHUR M.**, Brooklyn, Biophysics  
**LEVINE, IRA N.**, Brooklyn, Chemistry  
**LEVINE, RHEA C.**, Brooklyn, Physiology  
**LEVITCH, ROY U.**, Buffalo, Engineering  
**LEVY, PETER M.**, New York, Engineering  
**LEWIN, RUTH L.**, New York, Chemistry  
**LITT, FREDRIC A.**, New York, Chemistry  
**LOGCHER, ROBERT D.**, Scarsdale, Engineering  
**LOGEMANN, GEORGE W.**, New York, Mathematics  
**LUBKIN, SAUL**, Brooklyn, Mathematics  
**LUKS, EUGENE M.**, Brooklyn, Mathematics  
**LUTTMANN, FREDERICK W.**, Chappaqua, Mathematics  
**LYNCH, BEN E.**, Horseheads, Physics  
**MALTZ, HENRY**, Brooklyn, Chemistry  
**MANSON, STEVEN T.**, Brooklyn, Physics  
**MARGOLISH, MERRY A.**, New Rochelle, Biophysics  
**MARTINELLI, MICHAEL A.**, Brooklyn, Physics  
**MATLIN, ARNOLD H.**, Brooklyn, Psychology  
**MCAYVOY, THOMAS J.**, Neponset, Engineering  
**MCCARTHY, DONALD J.**, Brooklyn, Mathematics  
**MCGUIRE, ODELL S.**, Syracuse, Earth Sciences

MININGHAUS, ARLYN R., Lancaster, Chemistry  
MEYERS, CHARLES J., New York, Psychology  
MICHAEL, JOE V., Rochester, Chemistry  
MIKE, JOHN C., Flushing, Physics  
MILLER, EDWARD J., Rochester, Biophysics  
MILLER, JOHN C., Lockport, Mathematics  
MILLER, RICHARD C., Bellmore, Engineering  
MOLDOVER, MICHAEL R., New York, Physics  
MOSKIS, FREDERICK I., Forest Hills, Chemistry  
MOSHER, CHARLES H., Scotia, Engineering  
MULLER, RICHARD L., Brooklyn, Mathematics  
NEWMAN, FRED M., Flushing, Physics  
NEWMAN, GABRIELLE C., New York, Social Sciences  
O'BRIEN, JOHN A., Staten Island, Engineering  
O'CONNELL, WILLIAM J., Brooklyn, Physics  
ORMAN, JUDITH A., Flushing, Mathematics  
OSTON, STEVEN G., Bayside, Engineering  
PALKO, YVONNE S., Jackson Heights, Zoology  
PARKER, WILLIAM L., Clinton, Chemistry  
PARSAGIAN, VOSEK A., Troy, Biophysics  
PASSMAN, DONALD S., Bronx, Mathematics  
PERRIN, ROBERT P., New York, Physics  
PIRKE, WILLIAM H., Rochester, Chemistry  
PLATKE, RICHARD A., Brooklyn, Mathematics  
PLOWES, WILLIAM H., Flushing, Mathematics  
POLLACK, HELEN S., New York, Psychology  
POLLACK, JAMES B., Woodmere, Physics  
POLLATSEK, ALEXANDER, New York, Chemistry  
PRESS, MARK, Brooklyn, Chemistry  
PRILL, DAVID D., Buffalo, Mathematics  
RADOWSKI, ALFRED F., New York, Physics  
RALEIGH, EDWARD W., Ithaca, Chemistry  
RAPP, WILLIAM V., New York, Social Sciences  
REYNOLDS, BRO. JOSEPH, Troy, Engineering  
RICHES, IRA, New York, Engineering  
RIES, LILLIAN L., Beechhurst, Engineering  
ROSE, RICHARD M., Port Washington, Psychology  
ROSEN, ALLAN J., New York, Chemistry  
ROTHMAN, JUNE L., Forest Hills, Microbiology  
RUENFELD, FRANK A., New York, Psychology  
RUNG, ROBERT, College Point, Engineering  
SALTHER, STANLEY N., Brooklyn, Zoology  
SCHABTACH, GRETCHEN, Schenectady, Zoology  
SCHMEIDLER, ROBERT J., Hastings-on-Hudson, Mathematics  
SCHULMAN, JEROME M., New Rochelle, Chemistry  
SCHULZ, M. RICHARDS, New York, Botany  
SCHWEITZER, PAUL J., Elmont, Physics  
SEGEL, IRWIN H., Staten Island, Biochemistry  
SHANNON, RICHARD T., New York, Mathematics  
SHARP, DAVID H., Buffalo, Physics  
SHELUPSKY, DAVID I., Brooklyn, Physics  
SHERMAN, JOHN D., Horseheads, Engineering  
SHORE, HERBERT B., Brooklyn, Physics  
SIGMAN, DAVID S., Rego Park, Chemistry  
SILVERMAN, MICHAEL, Brooklyn, Mathematics  
SOCOLOW, ROBERT H., New York, Physics  
SOLAND, RICHARD M., Bronx, Mathematics  
SOLOVAY, ROBERT M., Brooklyn, Mathematics  
SPIEGEL, EUGENE, Brooklyn, Mathematics  
SPIVAK, MICHAEL D., Jamaica, Mathematics  
ST. GEORGE, JOHN P., New York, Chemistry

STEEN, LYNN A., Staten Island, Mathematics  
STERNARD, CHARLES E., Watertown, Mathematics  
STOLLER, GERALD S., Brooklyn, Mathematics  
STRAUSS, WALTER A., Kew Gardens, Mathematics  
STREETER, SERENO S., New York, Earth Sciences  
SUSMAN, RUTH P., New York, Biochemistry  
SUTHERLAND, IVAN E., Scarsdale, Engineering  
TANNENBAUM, MICHAEL J., Bronx, Physics  
TITTERTON, PAUL J., Farmingdale, Long Island, Physics  
TOWELL, DAVID G., Fillmore, Earth Sciences  
VALLEE, JAMES A., Oriskany, Biology  
VOGEL, STEVEN, Beacon, Zoology  
WEBB, JULIAN P., Rochester, Physics  
WEINER, ROBERT A., Brooklyn, Physics  
WEINMAN, ROBERT W., Brooklyn, Physics  
WEISBERGER, WILLIAM I., Scarsdale, Physics  
WEISSTEIN, NAOMI, New York, Psychology  
WOJCICK, JOHN F., Ithaca, Chemistry  
WOJTASZEK, JOSEPH H., Rochester, Physics  
WORTIS, MICHAEL, New York, Physics  
WRATHEN, CRAIG C., Snyder, Biochemistry  
WRIGHT, JACKSON S., Bronx, Mathematics  
ZVENGROWSKI, PETER D., New York, Mathematics  
ZWILLENBERG, MELVIN L., Brooklyn, Engineering

#### *Cooperative Graduate*

ABRAMSON, LYNN S., New York, Chemistry  
ALLIS, JOHN W., Buffalo, Chemistry  
ANASTASIO, SALVATORE, Brooklyn, Mathematics  
BAILY, PAUL M., New York, Mathematics  
BEARDSLEY, CLYDE L., Elmira, Mathematics  
BEINE, GEORGE E., Rochester, Engineering  
BELL, HOWARD E., Medusa, Mathematics  
BENTSEN, IRVING O., Amenia, Mathematics  
BERKLEY, DAVID A., New York, Physics  
BLOOM, CLIFFORD O., New York, Mathematics  
BOLKER, ETHAN D., Brooklyn, Mathematics  
BRANCAZIO, PETER J., Flushing, Physics  
BREGMAN, JACK M., Kew Gardens, Chemistry  
BRIENZA, MICHAEL J., Mount Vernon, Physics  
BROOKS, DAVID W., Brooklyn, Chemistry  
BUEHL, WALTER M., Niagara Falls, Engineering  
BUEHLER, HERBERT H., Glendale, Engineering  
CABRIO, JAMES R., Niagara Falls, Engineering  
CASLER, LAWRENCE R., New York, Psychology  
COWLEY, ARTHUR M., Manhasset, Engineering  
CURRIE, DOUGLAS G., Rochester, Physics  
DAUBER, PHILIP S., Brooklyn, Engineering  
DAUM, WALTER, Yonkers, Mathematics  
DENHARDT, DAVID T., Scarsdale, Biophysics  
DIAMANT, PAUL, Brooklyn, Engineering  
DIAMOND, PETER A., Woodmere, Social Sciences  
DICARLO, JAMES A., Buffalo, Physics  
DIETS, RUSSELL N., Wantagh, Engineering  
DOWD, PAUL, New York, Chemistry  
EASTON, PAUL D., New York, Physics  
FADEN, ARNOLD M., New York, Social Sciences  
FARARO, THOMAS J., Syracuse, Social Sciences  
FAWCETT, JAMES T., Yonkers, Psychology  
FELDMAN, PAUL D., Floral Park, Physics

**FINKEL, ROBERT W.**, Bronx, Physics  
**FINNERTY, ANTHONY E.**, Brooklyn, Chemistry  
**FOX, JOEL S.**, Brooklyn, Engineering  
**FREEMAN, LESLIE G., JR.**, New City, Anthropology  
**FREUND, ISAAC**, New York, Chemistry  
**FRIEDMAN, DAVID H.**, Long Beach, Engineering  
**FULMER, RICHARD H.**, Manlius, Physics  
**GAHAN, ANTHONY B.**, New York, Anthropology  
**GALANDRES, OTTO**, Elmhurst, Psychology  
**GARDNER, LAURENCE T. JR.**, New York, Mathematics  
**GARROD, CLAUDE**, Bronx, Physics  
**GELMAN, HARRY**, Bronx, Physics  
**GILLARY, HOWARD L.**, Flushing, Zoology  
**GLICKFELD, BARNETT W.**, New York, Mathematics  
**GLOVER, DIANA R.**, Rochester, Chemistry  
**GOLDFELD, STEPHEN M.**, Brooklyn, Social Sciences  
**GOLDRICH, PETER M.**, Ithaca, Physics  
**GOLDSTEIN, ROBERT P.**, Binghamton, Engineering  
**GORDON, MYRA**, Mount Vernon, Chemistry  
**GRAHAM, PAUL W.**, Corning, Engineering  
**GREEN, PAUL S.**, New York, Mathematics  
**GREENBLATT, ROBERT**, Brooklyn, Mathematics  
**HALEY, PAUL H.**, Buffalo, Engineering  
**HAMMER, ROBERTA E.**, Brooklyn, Biochemistry  
**HANSEY, FREDERICK A.**, Whitestone, Physics  
**HASKINS, DAVID E.**, Great Neck, Engineering  
**HEINEMANN, HERMAN M.**, Franklin Square, Long Island, Engineering  
**HERMAN, HARVEY B.**, Syracuse, Chemistry  
**HIRSCH, PETER**, Brooklyn, Engineering  
**HOLMAN, ERIC W.**, New York, Psychology  
**HUBER, LAWRENCE J.**, Buffalo, Mathematics  
**JOHNSON, STANLEY L.**, Ithaca, Biochemistry  
**JORDAN, THOMAS F.**, Rochester, Physics  
**KASSIN, KENNETH M.**, Bronx, Mathematics  
**KEHN, LINDA J.**, Brooklyn, Mathematics  
**KNOBE, PEARL A.**, Bronx, Psychology  
**KNOWLTON, FREDERICK F.**, Springville, Biology  
**KRESGE, DAVID T.**, Ithaca, Social Sciences  
**KUBIS, JOSEPH J.**, Queens, Physics  
**KUBY, GEORGE H.**, New York, Mathematics  
**LAMPORT, LESLIE B.**, New York, Mathematics  
**LANGE, RAYMOND J.**, Buffalo, Chemistry  
**LEVENTHAL, JOAN B.**, Brooklyn, Physics  
**LICHTENBAUM, STEPHEN**, Brooklyn, Mathematics  
**LINTON, FRED E. J.**, New York, Mathematics  
**LIPPERT, ALAN**, New York, Engineering  
**LOPER, DAVID E.**, Oswego, Engineering  
**LOVELAND, DONALD W.**, Rochester, Mathematics  
**LOWENTHAL, FRANKLIN**, New York, Mathematics  
**LUTZ, CHARLES A.**, West Hempstead, Chemistry  
**LYON, DORENE D.**, Cazenovia, Biology  
**MALAMY, MICHAEL H.**, Bronx, Microbiology  
**MARCUS, BRUCE D.**, Ithaca, Engineering  
**MARGOLIS, FRANK L.**, Brooklyn, Biochemistry  
**MAZO, JAMES E.**, Syracuse, Physics  
**MCGIBNEY, DONALD J.**, Bronx, Physics  
**McGOWAN, JON G.**, Silver Creek, Engineering  
**McINERNEY, THOMAS J.**, Bronx, Mathematics  
**MELNICK, JACK D.**, New York, Physics  
**MERZ, ANTONY W.**, New York, Mathematics  
**MILSTEIN, SANDRA**, Bronx, Psychology

**MORMINO, THOMAS A.**, Staten Island, Mathematics  
**MOSES, FRED**, Brooklyn, Engineering  
**MOSHER, ROBERT E.**, Larchmont, Mathematics  
**MOSS, ROBERT A.**, Flushing, Chemistry  
**MULLER, ROBERT A.**, Syracuse, Earth Sciences  
**NAGER, JOEL A.**, Jamaica, Mathematics  
**NEWMAN, STEVEN S.**, Baldwin, Physics  
**NOE, RALPH W.**, New York, Chemistry  
**NOVICK, AARON J.**, Brooklyn, Physics  
**OLSEN, PHILIP F.**, Binghamton, Engineering  
**OLSHAKER, ARNOLD E.**, Brooklyn, Engineering  
**PAINE, DWIGHT M.**, Albion, Mathematics  
**PARKER, ALFRED B.**, Jamestown, Earth Sciences  
**PECORA, ROBERT**, Brooklyn, Chemistry  
**PENCHINA, CLAUDE M.**, New York, Physics  
**PERLMUTTER, HOWARD D.**, Brooklyn, Chemistry  
**PERUN, THOMAS J.**, Binghamton, Chemistry  
**PORTER, GERALD J.**, Ithaca, Mathematics  
**POSIN, ROBYN L.**, Brooklyn, Psychology  
**PRATT, SUSAN A.**, Rochester, Biology  
**RADINSKY, LEONARD B.**, Staten Island, Earth Sciences  
**RAFFEL, HELEN**, New York, Social Sciences  
**RAYMONDA, JOHN W.**, Utica, Chemistry  
**READO, PHILIP D.**, Ithaca, Chemistry  
**REILLY, SR. MARGUERITE**, Albany, Zoology  
**REYNOLDS, DONALD P.**, Ithaca, Engineering  
**RIGGS, JOHN P.**, Ithaca, Engineering  
**ROSENBAUM, HANNAH L.**, Brooklyn, Mathematics  
**ROSENSTARK, JEANNETTE**, Bronx, Mathematics  
**RUBIN, STANLEY G.**, Brooklyn, Engineering  
**SALINGER, RUDOLF M.**, Lynbrook, Chemistry  
**SALOMONE, RAMON A.**, New York, Chemistry  
**SANDBERG, ROLLIN T.**, Lakewood, Mathematics  
**SAVINI, CHARLES G.**, Port Washington, Engineering  
**SAXE, BERNHARD D.**, Flushing, Chemistry  
**SCHER, HARVEY**, Syracuse, Physics  
**SHAPIRO, CHARLES S.**, Syracuse, Physics  
**SHERY, EDWIN J.**, New York, Mathematics  
**SHPIZ, JOSEPH M.**, New York, Physics  
**SIBNER, LESLEY M.**, Brooklyn, Mathematics  
**SIBNER, ROBERT J.**, Brooklyn, Mathematics  
**SILVERT, WILLIAM L.**, New York, Physics  
**SIMMS, JULIET R.**, Brooklyn, Zoology  
**SIROVICH, CAROLE H.**, New York, Mathematics  
**SEKLAR, LAWRENCE**, Laurelton, Social Sciences  
**SLAVIN, LAWRENCE M.**, Yonkers, Engineering  
**SMALL, AUDREY M.**, New York, Chemistry  
**SNOW, WOLFE**, Brooklyn, Mathematics  
**SNYGG, JOHN**, Oswego, Mathematics  
**SONSHINE, RICHARD M.**, Yonkers, Engineering  
**STAHL, HAROLD M.**, New York, Physics  
**STEFFENS, CAROL A.**, Spring Valley, Anthropology  
**STEIN, SAMUEL H.**, Brooklyn, Chemistry  
**SWARTZ, JEROME**, Brooklyn, Engineering  
**TEIGER, MARTIN L.**, Brooklyn, Physics  
**TILSON, SEYMOUR**, New York, Earth Sciences  
**TRAGER, GEORGE W.**, Buffalo, Biochemistry  
**TROEH, FREDERICK R.**, Ithaca, Agriculture  
**TURNER, ROBERT E.**, New York, Mathematics  
**VANDER, STOUW GERALD G.**, Rochester, Chemistry  
**WALTON, DANIEL C.**, Syracuse, Physiology  
**WEINBAUM, SHELDON**, Brooklyn, Engineering

WEINGOLD, HARRIS D., New York, Engineering  
WELDON, EDWARD J., Tuckahoe, Engineering  
WHALLON, ROBERT E., Jr., Averill Park, Anthropology  
WORTIS, ROCHELLE P., New York, Psychology  
WROBEL, JOSEPH S., Solvay, Physics  
ZAUDERER, ERICH, New York, Mathematics  
ZEH, DALE W., Buffalo, Engineering  
ZIMMERMAN, MICHAEL, Great Neck, Mathematics

*Summer Fellowships for Graduate Teaching Assistants*

COSCIA, CARMINE J., Mount Vernon, Chemistry  
COUFAL, JAMES E., Syracuse, Agriculture  
ARONOWITZ, FREDERICK, Brooklyn, Physics  
BANK, STEVEN B., Middle Village, Mathematics  
BASILE, DOMINICK V., Yonkers, Botany  
BELT, EDWARD S., Glen Cove, L.I., Earth Sciences  
BERNECKER, RICHARD R., Ithaca, Chemistry  
BEURMAN, DAVID R., Kenmore, Mathematics  
BIESTERFELDT, HERMAN J., Woodhaven, Mathematics  
BLAKELY, RUTH M., Ithaca, Genetics  
BLEIHOLDER, ROLAND F., Floral Park, Chemistry  
DUSHMAN, MIRIAM B., New York, Biophysics  
FINK, RICHARD D., New Rochelle, Chemistry  
FOLCHETTI, JOHN R., Brewster, Earth Sciences  
FOWLER, GARY L., Syracuse, Social Sciences  
GARDNER, ALBERT H., Syracuse, Psychology  
GATCHELL, CHARLES J., Syracuse, Engineering  
GENTNER, ROBERT F., College Point, Chemistry  
GOLDSTEIN, JULIUS L., Rochester, Engineering  
GORDON, MYRA, Mount Vernon, Chemistry  
GRAFF, ROBERT A., New York, Engineering  
HAMEL, BERNARD B., Brooklyn, Engineering  
LEIBOWITZ, GERALD M., New York, Mathematics  
LESSIE, THOMAS G., College Point, Microbiology  
LIND, MAURICE D., Jamestown, Chemistry  
HOPENS, THEODORE, New York, Mathematics  
HUNDERFUND, RICHARD C., Pearl River, Microbiology  
JOHNSON, DONALD E., Ithaca, Engineering  
JURNSKI, NEIL B., Buchanan, Chemistry  
KINLOCH, JOHN, New York, Mathematics  
KUNSTMANN, MARTIN P., Rochester, Chemistry  
LANDO, JUDAH L., New York, Chemistry  
LANG, FRANK T., Long Island, Chemistry  
MARSHALL, RALPH J., North Tonawanda, Mathematics  
MAZO, JAMES E., Syracuse, Physics  
MILLER, DAVID C., New York, Physics  
MONTZKA, THOMAS A., Penfield, Chemistry  
NAUS, JOSEPH I., New York, Mathematics  
PARISH, ROGER C., Utica, Chemistry  
PAULSEN, PAUL J., Ithaca, Chemistry  
PORTER, GERALD J., Ithaca, Mathematics  
PRIEN, ROBERT F., Syracuse, Psychology  
RAFANELLI, KENNETH R., Astoria, L.I.C., Physics  
TAVEL, MORTON A., Brooklyn, Physics  
RECHER, HARRY F., Roslyn Heights, Biology  
REYNOLDS, DONALD P., Ithaca, Engineering  
RIEFFEL, MARC A., New York, Mathematics  
BITVO, CYNTHIA S., Buffalo, Mathematics

SCHER, HARVEY, Syracuse, Physics  
SILK, SUSAN T., New York, Chemistry  
STAHL, HAROLD M., New York, Physics  
STEIN, SAMUEL H., Brooklyn, Chemistry  
STERN, SAMUEL T., Kenmore, Mathematics  
STUBBER, JOAN E., Yonkers, Chemistry  
VOSBURG, ALBERT C., Rochester, Mathematics  
WARREN, WILLIAM E., Cortland, Engineering  
WEISS, JONAS, New York, Chemistry  
WRIGHT, CHARLES J., Hector, Chemistry  
WYZALEK, MONICA J., Binghamton, Mathematics  
YASSO, WARREN E., Brooklyn, Earth Sciences

*Postdoctoral*

ALPERT, SEYMOUR, New York, Medical Sciences  
ARNUSH, DONALD, New York, Physics  
BANDER, MYRON, St. Albans, Physics  
BARDASIS, ANGELO, New York, Physics  
CRIACKB, KENNETH W., Mamaroneck, Earth Sciences  
COOPERSMITH, MICHAEL H., Ithaca, Physics  
DENNIS, FRANK G., Jr., Ithaca, Agriculture  
DHYMES, PHOEBUS J., Valley Stream, Social Sciences  
FIDDLEMAN, PAUL B., Brooklyn, Psychology  
GREENE, SAMUEL L., Syracuse, Physics  
GRUHN, RUTH E., Cornwall on Hudson, Anthropology  
HARRINGTON, DAVID R., North Tonawanda, Physics  
KLEIMAN, HERBERT, Brooklyn, Physics  
KRETCHEMAR, LARRY H., Rochester, Medical Sciences  
MARSHALEK, EUGENE R., Hollis, Physics  
NAUENBERG, MICHAEL, New York, Physics  
POSKANZER, AUTHUR M., Bellport, L.I., Chemistry  
PUGH, EVAN R., New Rochelle, Physics  
REICHLIN, MORRIS, Bronx, Medical Sciences  
ROSEN, SAMUEL M., Bronx, Medical Sciences  
ROTH, JESSE, Lake Mohegan, Medical Sciences  
SACHS, EUGENE, Rochester, Physiology  
SACKS, GERALD E., Woodridge, Mathematics  
SCHALLT, LEWIS M., New York, Chemistry  
SCHILDKRAUT, CARL L., Woodmere, Biochemistry  
TEITELMAN, ALAN S., New York, Engineering  
WITONSKY, PHILIP, Bellerose, Biochemistry  
YESAIR, DAVID W., Suffern, Biochemistry

*Senior Postdoctoral*

ARGYRIS, THOMAS S., Syracuse, Zoology  
BIGEISEN, JACOB, Bayport, Chemistry  
CONWAY, HARRY D., Ithaca, Engineering  
ELLIOTT, JOANNE, New York, Mathematics  
LENNOX, EDWIN S., New York, Biochemistry  
LEWONTIN, RICHARD C., Rochester, Genetics  
WIDOM, BENJAMIN, Ithaca, Chemistry  
WILLIAMS, ROBIN M., Jr., Ithaca, Social Sciences

*Science Faculty*

BARBERA, MARGARET J., Brooklyn, Zoology  
BATTIN, WILLIAM J., Jr., Potsdam, Engineering  
BERNABEI, BR. A., Riverdale, Physics  
CLARKE, REV. ARTHUR A., New York, Mathematics  
CULLEN, CHARLES G., Watkins Glen, Mathematics  
CURRAN, PETER M., New York, Mathematics  
DAVIS, ALPHEUS G., Potsdam, Mathematics

HEIM, LOUISE M., Garden City, Biology  
KEAR, EDWARD B., Jr., Potsdam, Engineering  
LOWEN, WALTER, Albany, Engineering  
MCLMAN, LESLIE D., Hempstead, Mathe-  
matics  
MEYER, PAUL R., New York, Mathematics  
MULLIGAN, REV. JOSEPH F., New York,  
Physics  
PENNOCK, ROGER Jr., Albany, Agriculture  
RUOFF, ARTHUR L., Ithaca, Engineering  
SHARFSTEIN, HARVEY B., Brooklyn, Engi-  
neering  
SHEFFER, HOWARD E., Albany, Chemistry  
SMITH, SIGMUND A., Brockport, Mathematics  
WHITE, MARY V., Ithaca, Chemistry  
WYLIE, RUTH C., Bronxville, Psychology

*Summer Fellowships for Secondary School  
Teachers*

BADER, ABRAM, Brooklyn, Physics  
BECHTOLD, CHARLES A., New York, Mathe-  
matics  
BLUM, HAMILTON S., Farmingdale, Mathe-  
matics  
BOROWSKY, NATHAN, New York, Physics  
BROOKS, LUCILE E., Marcellus, Psychology  
CISM, FRANKLYN P., Harpursville, Chem-  
istry  
DODES, IRVING ALLEN, New York, Mathe-  
matics  
DRILLING, ELMO V., Buffalo, Mathematics  
FEIT, JULIUS, North Bellmore, Physics  
FRANKEL, BELLA R., New York, General Science  
GAFFNEY, SR. KATHERINE B., Bardonia,  
Chemistry  
GERLOCK, FRANK GEORGE, Nyack, Biology  
GESLAK, FRANK W., Chateaugay, General  
Science  
GIANTURCO, ANGELO J., Buffalo, General Science  
GLICKSMAN, ABRAHAM M., New York, Mathe-  
matics  
GRELL, EINAR F., Huntington Station, Biol-  
ogy  
GROSSMAN, ISRAEL, New Rochelle, Mathe-  
matics  
HALSET, ANNE E., Hyde Park, General Science  
JAFFE, BENJAMIN, New York, Mathematics  
KELLNER, SR. MARIA, Rochester, Chemistry  
KLEIN, MELVIN PHILIP, New York, Mathe-  
matics  
LENCHNER, GEORGE, Franklin Square, Mathe-  
matics  
LESTER, WELLINGTON F., Hancock, Biology  
LOEHR, SR. M. RAYMOND, Brooklyn, Mathe-  
matics  
MAGDALIN, ROBERT S., Queens, Mathematics  
MALONEY, SR. JOANNE T., New York, Mathe-  
matics  
MCINTYRE, PATRICK J., New Hyde Park,  
Chemistry  
MCGOWAN, LAURENCE J., White Plains, Bio-  
chemistry  
MICHEL, ROBERT H., New York, Mathematics  
MILLER, ROBERT R., SR., Plattsburgh, Zool-  
ogy  
ORTNER, SR. M. CONRAD, New York, Chem-  
istry  
PARVER, HARRY, Brooklyn, Chemistry  
POELKER, SR. M. LEONARD, New York, Mathe-  
matics  
REMBRY, SR. FRANCES A., Auburn, Biology  
RITS, WILLIAM C., Snyder, Biology  
RUDERMAN, RUTH M., New York, Mathe-  
matics

SAKS, NORMAN MARTIN, Brooklyn, Biology  
SCHEMER, SR. M. ROSARII, New York, Biol-  
ogy  
SKLAR, SAMUEL E., New York, Mathematics  
SKLENARIK, ROBERT F., Unadilla, Biology  
SMITH, JOHN E., Nyack, Chemistry  
SONEN, RALPH PAUL, Northport, Biology  
STEDMAN, EARL D., Glen Head, Chemistry  
TAFT, MARJORIE LANG, Woodmere, Mathe-  
matics  
WAGNER, DANIEL, New Rochelle, Biology  
WALTER, ROGER W., Clyde, General Science  
WEISS, EMANUEL, New York, Physics  
WEISS, RICHARD, New York, Zoology  
WEISSMAN, SIMON A., Brooklyn, Chemistry  
YONIS, LEONARD, New York, Mathematics  
ZIMMERMAN, ROBERT F., Dewitt, Biology

NORTH CAROLINA

*Graduate*

BARKER, ROBERT H., Chapel Hill, Chemistry  
BRITAIN, JERR A., Horse Shoe, Agricultural  
Sciences  
CARLTON, TERRY S., Reidsville, Chemistry  
CROWDER, BILLY L., Greensboro, Chemistry  
DAVIS, HOWARD T., Hendersonville, Chem-  
istry  
GARRISON, DAVID Q., Charlotte, Mathematics  
GIBBS, HYATT M., North Wilkesboro, Physics  
GRIFFITHS, PHILIP A., Raleigh, Mathe-  
matics  
HAPPER, WILLIAM Jr., Lenoir, Physics  
JONES, THOMAS L., Brevard, Engineering  
KOLODNY, WILLIAM P., Charlotte, Mathe-  
matics  
KOWAL, NORMAN E., Durham, Botany  
MARK, FRANCES G., Durham, Chemistry  
MINK, LAWRENCE A., Winston-Salem, Phys-  
ics  
ROBERTS, BRYAN W., Hillsboro, Chemistry  
RUSH, LEWIS O., Jr., Asheboro, Mathe-  
matics

*Cooperative Graduate*

COCKE, WILLIAM J., III, Asheville, Physics  
COUCHELL, GUS P., Charlotte, Physics  
FALLAW, WALLACE C., Hillsboro, Earth Sci-  
ences  
GUMPERT, PETER, Asheville, Psychology  
HAMPTON, KENNETH G., Winston-Salem,  
Chemistry  
HILL, JAMES C., Hendersonville, Engineering  
JACKSON, PHILIP S., Pittsboro, Physics  
KIMEL, JACOB D., Jr., Winston-Salem, Phys-  
ics  
MICHAEL, WILLIAM B., Bostic, Physics  
ROSENSTEIN, GEORGE M., Jr., Durham,  
Mathematics  
SCHELL, KERRY F., Durham, Agricultural  
Sciences  
THOMAS, VIRGINIA C., Asheville, Chemistry  
WORK, STEWART D., Durham, Chemistry

*Summer Fellowships for Graduate Teaching  
Assistants*

BOWERS, DONALD E., Charlotte, Physiology  
CHAMPION, ROY L., Jr., Wilson, Physics  
CROWDER, BILLY L., Greensboro, Chemistry  
DIAL, STEVE C., Landis, Biology  
DOTSON, ALLEN C., Badin, Physics  
DOVE, LEWIS D., Durham, Botany  
DOWDLE, JOSEPH C., Raleigh, Engineering  
LEWIS, ROBERT G., Morehead City, Chem-  
istry  
NIXON, DAVID E., Raleigh, Mathematics

PEARCE, ROBERT G., Henderson, Engineering  
PEARSON, JOSEPH T., Jr., Raleigh, Engineering  
PLYLER, DANIEL B., Gastonia, Botany  
TAYLOR, ALEX O., Durham, Physics

#### *Science Faculty*

BRINSON, HALBERT F., Raleigh, Engineering  
GARCIA, BERTRAM H., Jr., Raleigh, Engineering  
GARDNER, WILLIAM H., Jr., Durham, Engineering  
MOBLEY, JEAN B., Red Springs, Mathematics  
SMALLWOOD, CHARLES, Jr., Raleigh, Engineering

#### *Summer Fellowships For Secondary School Teachers*

CHEEK, WILLIAM E., Matthews, Chemistry  
DRAKE, REUBEN C., Concord, Mathematics  
HAGAMAN, WALTER H., Mooresville, Mathematics  
LAVINDER, ELIZABETH E., Henderson, Mathematics  
SCHULTZ, NANCY W., Winston-Salem, Biology  
TESTER, JOEL CALAWAY, Gastonia, Biology  
YONGUE, WILLIAM H., Charlotte, Biology

#### **NORTH DAKOTA**

##### *Graduate*

SCHIEBE, PAUL O., Marion, Engineering  
SPANDE, THOMAS F., Mayville, Chemistry  
THOMPSON, BETTY C., Voltaire, Chemistry  
UTGAARD, JOHN E., Minot, Earth Sciences

##### *Cooperative Graduate*

ANDERSON, LYNN B., Fargo, Mathematics  
DICKIE, RAY A., Grand Forks, Chemistry  
ELLIS, BRUCE W., Jamestown, Physics  
FELDMANN, RODNEY M., Grand Forks, Earth Sciences  
JOHNSTON, MARGERY A., Fargo, Botany  
MASON, EARL S., Grand Forks, Engineering  
MCCULLOUGH, JOHN W., Fargo, Engineering

##### *Summer Fellowships for Graduate Teaching Assistants*

BLAKE, SHIRLEY, Fargo, Chemistry  
ISAACSON, WILLIAM B., Minot, Engineering  
JOHNSTON, MARGERY A., Fargo, Botany  
PETERSEN, JAMES C., Grand Forks, Zoology  
SCHAUBERT, JACKIE A., Bowdon, Engineering  
WINGER, DONLEY J., Mayville, Engineering

##### *Science Faculty*

MCLEOD, GORDON K., Jamestown, Physics

##### *Summer Fellowships for Secondary School Teachers*

JACOBSON, ROBERT L., Grand Forks, Mathematics  
OLLENBURGER, ALVIN W., Wimbledon, Mathematics

#### **OHIO**

##### *Graduate*

ADMAN, RAYMOND L., Dayton, Biochemistry  
ANKENBRANDT, CHARLES, Cleveland, Physics  
ARGUS, CAROL J., Columbus, Physics  
BARGER, JAMES E., Toledo, Engineering

BEAN, ANITA M., Yellow Springs, Genetics  
BLOOM, SANFORD G., Columbus, Engineering  
BRASSON, BENNET B., Findlay, Physics  
BRIGHT, MARY A., Lima, Mathematics  
CARPENTER, RICHARD N., Cleveland, Chemistry

CHANEY, ROBIN W., Columbus, Mathematics  
CONNOR, DANIEL S., Cleveland, Chemistry  
COOPER, PAUL D., Worthington, Earth Sciences

DIXON, ROBERT D., Columbus, Mathematics  
ELLIS, DAVID G., Marietta, Physics  
FAIRSON, JAMES B., McClure, Engineering  
FLETCHER, JOSEPH A., Jr., Canton, Engineering

FLOMENOFT, HUBERT I., Columbus, Engineering

FRANKS, DORIS J., Dover, Zoology  
GINAVEN, ROBERT O., Akron, Physics  
GLESER, LEON J., Cincinnati, Mathematics  
GORDON, ROY G., Akron, Physics  
GREENBERG, WILLIAM M., Toledo, Physics  
HAMILTON, JOHN T., Dayton, Physics  
HAMMER, LOIS R., Yellow Springs, Psychology

HEINZ, RICHARD M., Toledo, Physics

HEMPFLING, WALTER P., Cincinnati, Microbiology

HOLMES, FREDERIC L., Cincinnati, Social Sciences

HORN, WILLIAM A., Cincinnati, Mathematics

HRIBAR, JOHN R., Madison, Engineering

JACKSON, MICHAEL G., Chagrin Falls, Agricultural Sciences

JONES, ALLAN E., Columbus, Engineering

KOVAR, FREDERICK R., Cleveland, Physics

KREIMER, HERBERT F., Jr., Cincinnati, Mathematics

KRIZEK, DONALD T., Garfield Heights, Botany

KUEMPEL, PETER L., Cincinnati, Biochemistry

KUTCHER, JAMES W., East Cleveland, Physics

LAEDINS, DAGNIJA, Delaware, Chemistry

LEVY, RICHARD M., Cincinnati, Chemistry

LOBLIGER, DAVID A., Wooster, Chemistry

MACMAHON, JAMES A., Dayton, Biology

MARLUF, GEORGE A., Columbus, Genetics

MAWBY, JOHN E., Dayton, Earth Sciences

MENGBERT, PETER H., Painesville, Physics

MILLER, DAVID L., Cincinnati, Chemistry

MILLER, STEVEN R., Westlake, Chemistry

MYERS, ALAN L., Cincinnati, Engineering

NIEMAN, GEORGE C., Tipp City, Chemistry

NOBEL, PARK S., Solon, Physics

OPASKAR, CARL G., Cleveland Heights, Physics

ORANGE, ELIZABETH C., Rocky River, Psychology

PATCHE, RICHARD W., Westerville, Engineering

PATTERSON, RICHARD R., Dayton, Mathematics

POLITZER, PETER A., Cleveland, Chemistry

REEDER, RONALD H., Mt. Vernon, Biophysics

REILLY, BERNARD E., Cleveland, Microbiology

RIX, JOHN R., Bay Village, Physics

SCHLAUG, ROBERT N., Cleveland, Engineering

SCHROEER, DIETRICH, Enon, Physics

SHAFFER, DAVID M., Cincinnati, Mathematics

SMITH, ALLAN L., Granville, Chemistry

SOPKOVICH, NICHOLAS J., Canfield, Physics

STIFFLER, PRICE E., Columbus, Mathematics

SUGAS, ROBERT L., Beachwood, Physics

SWAIN, RICHARD R., Toledo, Biochemistry

SWIGERT, ROGER D., Akron, Chemistry

TAYLOR, LYNN J., Cuyahoga Falls, Chemistry



TSCHANZ, JOHN F., Lima, Physics  
 VAN FLANDERN, MARGUER, Norwood, Physics  
 VANDENBYNDEN, CHARLES, St. Bernard, Mathematics  
 WILCOX, JOHN P., Columbus, Engineering  
 WILLIAMS, FRANCIS D., Columbus, Mathematics  
 WILSON, JOHN E., Celina, Biochemistry  
 ZARE, RICHARD N., University Heights, Chemistry  
 ZAVORTINK, THOMAS J., Ravenna, Botany

*Cooperative Graduate*

ANNAVEDDER, EDWIN K., Cincinnati, Mathematics  
 ARMSTRONG, ROBERT LEE, Fairborn, Biochemistry  
 BARRETT, RICHARD E., Columbus, Engineering  
 BODMAN, SAMUEL W., III, Akron, Engineering  
 BRUNGS, WILLIAM A., Jr., Columbus, Zoology  
 BRUNNER, CARL A., Cincinnati, Engineering  
 COLEMAN, JOHN F., Akron, Chemistry  
 COPPAGE, WILLIAM E., Columbus, Mathematics  
 CRUDEN, ROBERT W., Berea, Botany  
 CURNOW, WILLIAM J., Jr., Columbus, Chemistry  
 DAVIDSON, JOSEPH K., Columbus, Engineering  
 DAWSON, WALLACE D., Jr., Columbus, Genetics  
 DEBYEB, DAVID L., Westerville, Mathematics  
 DORIA, MICHAEL L., Cleveland, Engineering  
 DREYFUS, PATRICIA M., Cuyahoga Falls, Chemistry  
 ELLISON, JAMES T., Cleveland, Mathematics  
 FAGAN, TERRENCE J., Cleveland, Engineering  
 FENTIMAN, ALLISON F., Jr., New Concord, Chemistry  
 FISHER, FARLEY, Painesville, Chemistry  
 FORDHAM, WILLIAM D., Marietta, Chemistry  
 FOX, CHARLES F., Springfield, Biochemistry  
 GIBBY, DANIEL P., Columbus, Biochemistry  
 GLAZMAN, JERRY S., Akron, Chemistry  
 GUTZ, RICHARD W., Cincinnati, Chemistry  
 GUTKNECHT, JOHN W., Poland, Biology  
 HENDRIX, JOHN E., Columbus, Botany  
 HOOT, CHARLES G., Canton, Physics  
 HUBSCHMAN, JERRY H., Columbus, Zoology  
 HUTCHISON, BOYD A., Bellevue, Agricultural Sciences  
 JANNEY, GARETH M., Berkey, Physics  
 KELSO, ANNE G., Euclid, Zoology  
 KEPLAR, RICHARD K., Springfield, Engineering  
 KOLOPUS, JAMES L., Elyria, Physics  
 KOMITSKY, FRANK, Jr., Columbus, Chemistry  
 KRAUSE, DANIEL J., Columbus, Engineering  
 KVARDA, BETTY L., Lakeside, Mathematics  
 LAFFER, WALTER B., II, Columbus, Mathematics  
 LANDMAN, BETTE E., Columbus, Anthropology  
 LEETMAA, MAIA, Fremont, Mathematics  
 LEWIS, RAYMOND A., Alpha, Physics  
 MARTIN, JANICE C., East Liverpool, Mathematics  
 MAY, WARREN L., Dayton, Mathematics  
 MENTZER, ROBERT G., Columbus, Chemistry  
 METZGER, DANIEL S., Columbus, Physics  
 MILLER, HARRY G., Columbus, Physics  
 MOSER, ROBERT E., Defiance, Chemistry  
 NICOL, CHARLES H., New Washington, Chemistry  
 OGG, OSCAR R., Bowling Green, Mathematics  
 PARSONS, RONALD G., Lebanon, Physics

PERKINS, RONALD D., Cincinnati, Earth Sciences  
 PINKAVA, DONALD J., Chagrin Falls, Botany  
 POHNER, JUDY M., Louisville, Microbiology  
 POOS, WILMA J., Eaton, Biochemistry  
 PORTER, JAMES C., Cleveland Heights, Physics  
 REPAS, PAUL E., Cleveland, Engineering  
 ROBINSON, DAVID P., Cincinnati, Chemistry  
 SCHAEFFER, ANTHONY J., Wyoming, Physics  
 SCHOEN, THOMAS A., Dayton, Mathematics  
 SECOW, DIANE M., Troy, Zoology  
 SHERRIDAN, CHARLES L., Columbus, Psychology  
 SHIMP, CHARLES P., Columbus, Psychology  
 SMITH, JAMES A., Columbus, Chemistry  
 STARK, ROYAL W., Sullivan, Physics  
 STEIN, CAROL E., Worthington, Biology  
 STURCH, CONRAD R., Dayton, Astronomy  
 THOMAS, DAVID T., Columbus, Engineering  
 VANHORN, EARL C., Jr., Cincinnati, Engineering  
 VICKERS, VIRGIL E., Berlin Center, Engineering  
 WARNER, HUBER R., Kent, Biochemistry  
 WHITLOCK, RICHARD T., Cleveland, Physics  
 WIEGAND, KARL L., Worthington, Physics  
 WILEY, DAVID S., Troy, Physics  
 WILLIAMS, LAWRENCE E., Youngstown, Physics  
 WING, LARRY E., Circleville, Engineering  
 WRATHALL, JAY W., Columbus, Chemistry  
 ZAIDINS, CLYDE S., Cincinnati, Physics  
 ZERLA, FREDRIC J., Dillonvale, Mathematics

*Summer Fellowships for Graduate Teaching Assistants*

COPPAGE, WILLIAM E., Columbus, Mathematics  
 ATTALLA, ALBERT, Cincinnati, Chemistry  
 BEASLEY, JAMES D., Eaton, Physics  
 BIAGLOW, JOHN E., Cleveland, Biochemistry  
 BRABENEC, ROBERT L., Columbus, Mathematics  
 BRANAND, DAVID C., Cleveland, Earth Sciences  
 BRUNGS, WILLIAM A., Jr., Columbus, Zoology  
 CRAIG, ROBERT T., Columbus, Mathematics  
 CRANO, JOHN C., Euclid, Chemistry  
 DELVIGS, PETER, East Cleveland, Chemistry  
 DORNBUSCH, WILLIAM E., Middletown, Physics  
 FISHER, FARLEY, Painesville, Chemistry  
 GLOZZI, JAMES, Kent, Earth Sciences  
 GUSTAFSON, LEWIS B., Lakewood, Earth Sciences  
 HALPERN, EVELYN, Cleveland Heights, Chemistry  
 LONGFELLOW, LAYNE A., Jackson, Psychology  
 HANSON, HAROLD N., Cincinnati, Chemistry  
 HUBSCHMAN, JERRY H., Columbus, Zoology  
 INGLIS, JEAN E., Worthington, Zoology  
 MAY, WARREN L., Dayton, Mathematics  
 MCEWEN, MICHAEL C., Toledo, Earth Sciences  
 MILLER, DAVID L., Cincinnati, Chemistry  
 OETGEN, RONALD R., Cleveland Heights, Chemistry  
 OSBORN, NEAL L., Chardon, Botany  
 PERKINS, RONALD D., Cincinnati, Earth Sciences  
 SHIELDS, ROBERT J., Columbus, Zoology  
 SKAVARIL, RUSSELL V., Columbus, Genetics  
 VITZ, PAUL C., Cincinnati, Psychology  
 WALKER, CHARLES C., Westlake, Chemistry  
 ZEFF, THOMAS H., Cincinnati, Physics

### Postdoctoral

BERNDT, DONALD C., Toledo, Chemistry  
GREENBERGER, DANIEL M., Columbus, Physics  
MURRAY, WALTER A., Jr., Columbus, Medical Sciences  
OGG, ANDREW P., Bowling Green, Mathematics  
SOLOMON, IRENE L., Columbus, Medical Sciences  
SOULE, DAVID E., Berea, Physics  
WEST, JAN C., Alliance, Biophysics  
WILLIAMS, FLOYD J., Columbus, Botany  
ZWOLENIK, JAMES J., Cleveland, Chemistry

### Senior Postdoctoral

BLACK, JOHN W., Columbus, Psychology  
WILLIAMS, DUDLEY, Columbus, Physics

### Science Faculty

BALL, WILFRED R., Columbus, Zoology  
BARNES, ROBERT A., Columbus, Engineering  
BRANDELL, BRUCE R., Akron, Zoology  
ELLIS, WADE, Oberlin, Mathematics  
GRUDIN, ARNOLD, Granville, Mathematics  
JOHNSON, WENDELL G., Hiram, Mathematics  
KROLL, ROBERT J., Cincinnati, Engineering  
NETTER, MILTON A., Jr., Toledo, Engineering  
NOWAK, RICHARD T., Toledo, Engineering  
OSTERBROCK, CARL H., Cincinnati, Engineering  
PINZKA, CHARLES F., Cincinnati, Mathematics  
SCHUELE, DONALD E., Cleveland, Physics  
SPITAL, SIDNEY, Toledo, Mathematics  
WRIGHT, HAROLD E., Dayton, Engineering

### Summer Fellowships for Secondary School Teachers

BAIRD, SR. THOMAS MORE, Columbus, Biology  
BARGER, JACK HAROLD, Delaware, General Science  
BARKEE, WILLIAM W., Avonlake, Biology  
BARNES, JAMES N., Wickliffe, Biology  
BENESE, BRO. JOHN JAMES, Akron, Mathematics  
BROWNSON, WALTER M., Nova, Biology  
CAITO, SR. M. GEMMA, Columbus, Biology  
CONDIT, JOHN M., Columbus, Zoology  
COSTA, ROBERT E., Youngstown, Biology  
CYGNAK, BRO. ADRIAN, Gates Mills, Biology  
DECHANT, SR. M. JEANMARIE, South Euclid, Chemistry  
FLOOD, WILLIAM G., Canton, Chemistry  
FRANCOEUR, REV. ROBERT T., Steubenville, Biology  
GRAVES, CHARLES B., Trotwood, Biology  
HOLOBINKO, PAUL, Cleveland, Biology  
LATA, ALFRED JOHN, Shaker Heights, Chemistry  
METCALF, ZUBIE WEST, Dayton, Biology  
MILLS, DONALD H., Euclid, Mathematics  
NEMANN, SR. M. EDWINA, Cincinnati, Chemistry  
NEUENDORF, EDWARD J., Cincinnati, Mathematics  
NIKLAS, SR. M. JOHANNA, Piqua, Mathematics  
OLIVE, JOHN HENRY, Chagrin Falls, Zoology  
PRIMMER, MERL, Logan, Biology  
SCHROER, SR. M. MICHEL, Norwood, Biology  
SELWAY, KENNETH, Cleveland Heights, Mathematics  
SHURLOW, HAROLD J., Columbus, Mathematics

WELLINGER, SR. M. LEONARD, Rocky River, Biochemistry  
WILSON, MARILYN A., Hayesville, Mathematics

### OKLAHOMA

#### Graduate

BUTLER, LARRY G., Ochelata, Biochemistry  
CLARKE, ROBERT F., Norman, Zoology  
COOPER, JANE E., Tulsa, Zoology  
FAUDREE, RALPH J., Atoka, Mathematics  
GERLACH, CHARLES R., Guthrie, Engineering  
GILBERT, M. CHARLES, Lawton, Earth Sciences  
GOLDWYN, ROGER M., Tulsa, Engineering  
GRUVER, GEORGE W., Stillwater, Engineering  
HURST, GERALD L., Jones, Chemistry  
KELLY, SR. SUZANNE, Tulsa, Social Sciences  
KIRMSE, DALE W., Alva, Engineering  
LIPE, WILLIAM D., Bristow, Anthropology  
MURRAY, FREDERICK, N., Tulsa, Earth Sciences  
OLDHAM, IRA B., III, Muskogee, Engineering  
PAGE, LEROY E., Oklahoma City, Social Sciences  
PAUL, JOHNNY C., Fairview, Engineering  
PONSOR, KENNETH C., Oklahoma City, Engineering  
PROPHET, CARL W., Norman, Zoology  
REINHARDT, WILLIAM N., Bartlesville, Mathematics  
ROBINSON, ROBERT L., Jr., Muskogee, Engineering  
SANMANN, EVERETT E., Geronimo, Physics  
SMITH, WARREN L., Norman, Zoology  
TECH, JACK L., Oklahoma City, Astronomy  
THACH, ROBERT E., Oklahoma City, Biophysics  
WOLFE, JAMES F., Oklahoma City, Engineering  
WOOD, DAVID E., Seminole, Chemistry

#### Cooperative Graduate

CLARK, ALFRED Jr., Bartlesville, Mathematics  
COMBRINK, CHARLES R., Caddo, Mathematics  
CRAWFORD, JOHN C., Ponca City, Physics  
FRIDAY, JOHN R., Cleveland, Engineering  
FRIEDRICH, HENRY B., Clinton, Chemistry  
GRAHAM, ROBERT E., Tulsa, Physics  
HANN, ROY, W., Jr., Oklahoma City, Engineering  
HARDAGE, BOB A., Checotah, Physics  
McCORMICK, BAILIE J., Stillwater, Chemistry  
MCCREARY, JAMES G., Norman, Engineering  
MORRIS, ROBERT J., Jr., Oklahoma City, Social Sciences  
PIERCE, DONALD A., Enid, Engineering  
RICE, JAMES H., Norman, Mathematics  
SHERLE, JERRY P., Hobart, Chemistry  
SLAUGHTER, EUGENE E., Jr., Durant, Mathematics  
STONG, ROBERT E., Oklahoma City, Mathematics

#### Summer Fellowships for Graduate Teaching Assistants

BAILEY, HORACE H., Norman, Physiology  
BANKS, DONALD J., Stillwater, Botany  
BENNETT, ALLISON C., Indianahoma, Agriculture  
CARTER, WILLIAM A., Stillwater, Zoology

CACIL, DAVID R., Tulsa, Mathematics  
CRONBLE, WILLIAM R., Bartlesville, Earth Sciences  
DAVIS, KENNETH J., Lawton, Engineering  
GASS, JERALD D., Oklahoma City, Chemistry  
JONES, ROBERT E., Kingfisher, Mathematics  
LEE, ROY C., Delaware, Engineering  
LEGRAND, FRANK E., Mayfield, Agriculture  
ROPER, LEON D., Arnett, Physics  
ROWETT, CHARLES L., Norman, Earth Sciences  
SILVER, BURR A., Tulsa, Earth Sciences  
SMITH, DEAN C., Oklahoma City, Social Sciences

#### *Postdoctoral*

FRETWELL, LYMAN J., Jr., Tulsa, Physics

#### *Senior Postdoctoral*

HYDE, BEAL B., Norman, Microbiology  
ROLLER, DUANE H. D., Norman, Social Sciences

#### *Science Faculty*

GLENN, BERTIS L., Stillwater, Medical Sciences  
HALLETT, PAUL C., Stillwater, Engineering  
JONES, WOODROW H., Oklahoma City Oceanography  
SCHOEPPFEL, ROGER J., Norman, Engineering  
VENABLE, JOHN H., Stillwater, Medical Sciences

#### *Summer Fellowships for Secondary School Teachers*

BOTTOMS, GERALD DOYLE, Holdenville, Biology  
BRANDENBURG, ROBERT L., Alva, Zoology  
CROOKS, THOMAS C., Lindsay, Mathematics  
DAVIS, JOHN F., Muskogee, General Science  
DUFFER, WILLIAM R., Stratford, Botany  
EPPERSON, DONALD M., Claremore, Mathematics  
GUTHRIE, BENNETT M., Sr., Tahlequah, Zoology  
JOBE, JOHN MARSHALL, Ponca City, Mathematics  
JOHNSTON, RICHARD M., Tulsa, Mathematics  
TROUT, VERDINE E., Sand Springs, Biology  
WEITNER, W. CLEO, Davidson, Mathematics

#### OREGON

#### *Graduate*

ANDREWS, GEORGE E., Salem, Mathematics  
BIRD, KENNETH J., Grants Pass, Earth Sciences  
BROWN, ROBERT B., Portland, Mathematics  
CHAMPION, JOHN C., Pendleton, Physiology  
DIXON, RICHARD W., Woodburn, Engineering  
HARRIS, DAVID O., Corvallis, Chemistry  
HITCHCOCK, DICKEY, Corvallis Engineering  
LYNN, ELIZABETH, Eugene, Psychology  
MACINTYRE, ROSS J., Yachats, Genetics  
MCNEAL, BRIAN L., Corvallis, Agriculture  
MORSE, HOWARD C., Culver, Biology  
MOURSUND, ANNE L., Eugene, Chemistry  
MOURSUND, DAVID G., Eugene, Mathematics  
POOLS, MICHAEL G., Ontario, Mathematics  
RINARD, GILBERT A., Newberg, Physiology  
SATHER, CLIFFORD A., Portland, Anthropology  
STOUT, EDGAR L., Grants Pass, Mathematics

#### *Cooperative Graduate*

ALEXANDER, GERALD C., Corvallis, Engineering  
BENSON, CLARK T., Portland, Mathematics  
CALLIS, PATRIK R., Springfield, Chemistry  
CATLIN, SETH, Portland, Mathematics  
DONALDSON, ROBERT B., Oregon City, Engineering  
DUMOND, DON E., Portland, Anthropology  
FORBES, DENNIS L., Nyssa, Chemistry  
LORENZEN, LEOLA C., Roseburg, Physiology  
PARKER, JERALD V., Portland, Physics  
PEARSON, GARY A., Portland, Physics  
PETERSEN, ROBERT J., Hillsboro, Chemistry  
ROCKHOLT, CELIA R., Corvallis, Chemistry  
SORNSEN, FRANK C., Corvallis, Agricultural Sciences  
THILENIUS, JOHN F., Corvallis, Biology  
WEST, NEIL E., Klamath Falls, Biology

#### *Summer Fellowships for Graduate Teaching Assistants*

DONOHUE, DONALD J., Eugene, Mathematics  
LUTZ, PAULA L., Eugene, Anthropology  
HANSEN, JOHN D., Corvallis, Chemistry  
HINRICHS, LOWELL A., Portland, Mathematics  
OTOOLE, RICHARD E., Eugene, Social Sciences  
RANDALL, WILLIAM J., Cottage Grove, Chemistry  
RESCH, WILLIAM M., Eugene, Psychology  
ROHNER, RONALD P., Salem, Anthropology  
WILSON, ROBERT E., Corvallis, Engineering  
WOODMAN, DARRELL, J., Portland, Chemistry

#### *Senior Postdoctoral*

KNUDSEN, JAMES G., Corvallis, Engineering  
NOVITSKI, EDWARD, Eugene, Genetics

#### *Science Faculty*

BURGESS, FREDRICK J., Corvallis, Engineering  
CHRESTENSON, HUBERT, Portland, Mathematics  
DAVIS, KENNETH E., Portland, Physics  
JENSEN, LELAND C., Corvallis, Engineering  
STONE, SOLON A., Corvallis, Engineering

#### *Summer Fellowships for Secondary School Teachers*

BIEDERMAN, ARTHUR A., Tigard, General Science  
MCCORD, WILLIAM M., Portland, General Science  
OVERTON, VEARL H., Lakeview, Mathematics  
ROGERS, JAMES V., Portland, Mathematics  
STAPLETON, CHRISTOPHER, Portland, General Science

#### PENNSYLVANIA

#### *Graduate*

ADAIR, WILLIAM B., Conshohocken, Engineering  
ADLER, RONALD J., Pittsburgh, Physics  
ANDERSON, JAMES B., State College, Engineering  
BARR, MICHAEL, Drexel Hill, Mathematics  
BEATTIE, JAMES K., York, Chemistry  
BERMON, STUART, Philadelphia, Physics  
BEUSCH, JOHN U., Erie, Engineering  
BICKING, LEWIS A., Phoenixville, Biophysics  
BRAUMAN, JOHN I., Pittsburgh, Chemistry

BRODSKY, ALAN R., Philadelphia, Mathematics  
 BURNHAM, DAVID C., Pittsburgh, Physics  
 CAPECCHI, MARIO R., Southampton, Biophysics  
 CARROLL, ALICE H., Swarthmore, Chemistry  
 CHILTON, WILLIAM S., Lansdowne, Chemistry  
 CLARK, JOSEPH C., Glen Campbell, Earth Sciences  
 DEMKO, GEORGE J., State College, Social Sciences  
 EDWARDS, DALLAS C., Meadville, Zoology  
 EPLER, JAMES L., York, Genetics  
 FARKAS, EDWARD J., Media, Engineering  
 FETTER, ALEXANDER L., Philadelphia, Physics  
 FOW, BENJAMIN R., Philadelphia, Meteorology  
 FRASER, MALCOLM D., Pittsburgh, Engineering  
 GARBINE, RICHARD W., Pottstown, Engineering  
 GASTON, CHARLES A., Lancaster, Engineering  
 GEISSINGER, LADNOR D., Zionsville, Mathematics  
 GIMPEL, JAMES F., Philadelphia, Engineering  
 GINTIS, HERBERT M., Bala Cynwyd, Mathematics  
 GRAY, DONALD M., Milton, Biophysics  
 GREAVES, JAMES R., Pittsburgh, Physics  
 HALLIDAY, ROBERT P., Pittsburgh, Medical Sciences  
 HAMBURGER, MICHAEL J., Pittsburgh, Social Sciences  
 HARTENBAUM, BRUCE, Philadelphia, Engineering  
 HAUKE, PETER, Pittsburgh, Chemistry  
 HILL, VICTOR E., Pittsburgh, Mathematics  
 HOFFMAN, DONALD B., Jr., Allentown, Biophysics  
 HOBOWITZ, DANIEL H., University Park, Earth Sciences  
 HOBSTMAN, CLIFFORD C., Sharpsville, Engineering  
 HOUGHTON, DAVID D., Media, Meteorology  
 HUDOCK, GEORGE A., Norristown, Genetics  
 HUMPHREYS, RICHARD F., Lewisburg, Engineering  
 INFANGER, SR. ANN M., Greensburg, Genetics  
 JAMES, ELSIE L., Philadelphia, Chemistry  
 JEROME, JOSEPH W., Philadelphia, Mathematics  
 KALME, CHARLES I., Philadelphia, Mathematics  
 KAUFFMAN, JOEL M., Huntingdon Valley, Chemistry  
 KAUFMANN, HARRY, Clifton Heights, Psychology  
 KONRAD, KARL W., East Lansdowne, Psychology  
 KRALL, ALLAN M., State College, Mathematics  
 KRANTS, DAVID H., Philadelphia, Psychology  
 KRIBBS, PAUL H., Swarthmore, Zoology  
 KUNTZ, ROBERT R., Pittsburgh, Chemistry  
 LARKIN, FRANCIS P., Middletown, Mathematics  
 LARSON, RICHARD G., Philadelphia, Mathematics  
 LAVINE, RICHARD B., Huntingdon Valley, Mathematics  
 LAWIS, RONALD M., State College, Earth Sciences  
 MAYER, RAYMOND A., Jr., Philadelphia, Mathematics  
 MCGRADY, SR. M. MERCY, Pittsburgh, Chemistry  
 MCNUTT, DOUGLAS P., Philadelphia, Physics  
 MENKUS, RICHARD H., Philadelphia, Microbiology  
 MOORE, JOHN W., Paoli, Chemistry  
 MORAN, PAUL R., Coudersport, Physics  
 MORRIS, ROBERT A., Philadelphia, Physics  
 MOYER, ROBERT D., Allentown, Mathematics  
 NAUMANN, DOROTHY C., Philadelphia, Biochemistry  
 NOBLE, ROBERT W., Jr., Ardmore, Biophysics  
 O'DONNELL, PATRICIA A., Conshohocken, Chemistry  
 ORNSTON, LEO N., Horsham, Biochemistry  
 PHILIPS, THOMAS O., Lansdowne, Physics  
 RABIGER, DOROTHY J., Cheltenham, Chemistry  
 RAUB, WILLIAM F., Alden Station, Physiology  
 RAUCH, FRANCIS C., Philadelphia, Chemistry  
 RICE, ALAN W., Bridgeville, Engineering  
 ROSENBERG, RONALD C., Philadelphia, Engineering  
 RYSZ, WALTER R., Old Forge, Chemistry  
 SCHICK, MICHAEL, Philadelphia, Physics  
 SHABAKER, ROBERT H., Media, Engineering  
 SHAFFER, OLIVIA C., Swarthmore, Psychology  
 SEANAHAN, PATRICIA A., Bethel Park, Psychology  
 SILVERSTEIN, MARTIN L., Philadelphia, Mathematics  
 SOMERSET, JAMES H., Glenside, Engineering  
 STIENING, RAE F., Pittsburgh, Physics  
 STONER, JOHN O., Berlin, Physics  
 STOWELL, JOHN C., Erie, Chemistry  
 SUNA, ANDRIS, Broomall, Physics  
 THORINGTON, RICHARD W., Wynnewood, Biology  
 TRABANOVSKY, WALTER S., Conemaugh, Chemistry  
 TRUEMAN, THOMAS I., Media, Physics  
 VOGT, WILLIAM G., McKeesport, Engineering  
 WEISS, CHARLES, JR., Philadelphia, Biochemistry  
 WILLIAMS, JOHN E., Clarion, Biology  
 WILLIAMSON, SAMUEL J., Sayre, Physics  
 WILSON, GUSTAVUS E., JR., Philadelphia, Chemistry  
 WOLL, EDWIN J., JR., Pittsburgh, Physics  
 WRIGHT, ARTHUR W., Broomall, Social Sciences  
 YOST, PATRICIA A., Sugarloaf, Psychology  
 ZARTMAN, ROBERT E., Lititz, Earth Sciences

*Cooperative Graduate*

BAKER, DOROTHY, Pottsville, Chemistry  
 BENNETT, LEE C., JR., Media, Earth Sciences  
 BETZ, JOHN V., Bala Cynwyd, Microbiology  
 BRADY, JAMES E., State College, Chemistry  
 CAMPBELL, MARY K., Havertown, Chemistry  
 CANTOR, ROBERT H., Philadelphia, Mathematics  
 CAREY, FRANCIS A., Philadelphia, Chemistry  
 CHEBLER, RONALD, Philadelphia, Physics  
 ENGLEHART, RICHARD W., Pittsburgh, Engineering  
 ESKIN, ROCHELLE M., Philadelphia, Psychology  
 FERNELIUS, NILS C., Pittsburgh, Physics  
 FLEMING, GORDON N., Philadelphia, Physics  
 FORTNER, EDWARD, Pittsburgh, Engineering  
 GREENLEAF, FREDERICK P., Allentown, Mathematics  
 HAY, JAMES E., Pittsburgh, Physics  
 HILL, DAVID G., Tarentum, Physics  
 HOLLOWAY, LELAND E., JR., Philadelphia, Physics  
 HOPKINS, PAUL D., Pittsburgh, Chemistry  
 HUMPHREYS, JAMES E., Erie, Social Sciences

**IFFT, EDWARD M.**, Butler, Physics  
**JEFFERS, PETER M.**, Myerstown, Chemistry  
**KLINGENER, DAVID J.**, Meadville, Zoology  
**KREMER, ROSS A.**, Schuylkill Haven, Engineering  
**KURLAND, JONATHAN J.**, Philadelphia, Chemistry  
**LUYBEN, WILLIAM L.**, Zieglerville, Engineering  
**MAGAN, JOHN R.**, Bethlehem, Physics  
**MARCUS, SANFORD M.**, Philadelphia, Physics  
**MARIK, ROBERT H.**, Pittsburgh, Engineering  
**MASTASCUSA, EDWARD J.**, Pittsburgh, Engineering  
**MELIUS, MELVIN E., Jr.**, Drexel Hill, Zoology  
**MICHAEL, KEITH W.**, University Park, Chemistry  
**MILGRAM, JEBOME H.**, Philadelphia, Engineering  
**MILLER, JEROME P.**, State College, Chemistry  
**MISNER, JOHN**, Pittsburgh, Mathematics  
**NAGLE, JOHN F.**, Girard, Physics  
**NONEMAKER, LARRY F.**, New Freedom, Chemistry  
**NYSTROM, WILLIAM A.**, Emporium, Engineering  
**PAGELS, HEINZ R.**, Wynnewood, Physics  
**PEET, ROBERT G.**, Bristol, Engineering  
**PEBRIN, CHARLES L.**, Pittsburgh, Chemistry  
**PHILLIPS, ROGER C.**, Philadelphia, Chemistry  
**PIERCE, RUSSELL D.**, Homer City, Physics  
**POBLOT, JAMES H.**, Bridgeville, Engineering  
**REINER, THOMAS A.**, Philadelphia, Social Sciences  
**RICHMAN, FRED**, Philadelphia, Mathematics  
**SAVARY, LOUIS M.**, Scranton, Mathematics  
**SHULTZ, CHARLES H.**, Lancaster, Earth Sciences  
**SMITH, RICHARD L.**, Berwick, Engineering  
**SNYDER, MITCHELL**, Philadelphia, Mathematics  
**STILES, PHILLIP J.**, Philadelphia, Physics  
**TAYLOR, BARRY N.**, Philadelphia, Physics  
**TJETJEN, JAMES J.**, State College, Chemistry  
**TORRENCE, ROBERT J.**, Pittsburgh, Physics  
**VERBIT, LAWRENCE P.**, Philadelphia, Chemistry  
**WARDEN, ROBERT B.**, Swarthmore, Engineering  
**WHITMAN, MARINA V.**, Pittsburgh, Social Sciences  
**ZAHRADNIK, RAYMOND L.**, Ford City, Engineering

*Summer Fellowships for Graduate Teaching Assistants*

**BALOGA, MICHAEL R.**, Wilkes Barre, Chemistry  
**BENNETT, RICHARD B.**, Grove City, Chemistry  
**BIHL, EDWARD R.**, Pittsburgh, Chemistry  
**BRADY, JAMES E.**, State College, Chemistry  
**BRENNER, GILBERT J.**, State College, Earth Sciences  
**BRIMHALL, JAMES E.**, Pittsburgh, Physics  
**CHORTYK, ORESTES T.**, Philadelphia, Chemistry  
**CLARK, GEORGE M.**, Boalsburg, Earth Sciences  
**CLOVIS, JAMES S.**, Waynesburg, Chemistry  
**COLEBOB, CAROLE J.**, Pittsburgh, Mathematics  
**COUCH, WALTER E.**, Pittsburgh, Physics  
**DESAKISSIAN, MICHAEL**, State College, Physics  
**DICARLO, ERNEST N.**, Parkland, Chemistry

**FRAIRHELLER, STEPHEN H.**, Philadelphia, Chemistry  
**FREEMAN, ALAN R.**, Upper Darby, Medical Sciences  
**GALLOWAY, GORDON L.**, Pottstown, Chemistry  
**GIBISH, PATRICIA A.**, Pittsburgh, Chemistry  
**GUBER, ALBERT L.**, Bridgeville, Earth Sciences  
**HARNISH, DANIEL F.**, Harrisburg, Chemistry  
**HOUCK, GEORGE B.**, Mechanicsburg, Engineering  
**KLEIN, RICHARD M.**, Elkins Park, Chemistry  
**KUCHEMBA, NANCY K.**, Philadelphia, Medical Sciences  
**LYKE, EDWARD B.**, Gibsonia, Zoology  
**MAGAN, JOHN R.**, Bethlehem, Physics  
**MAGILL, KENNETH D.**, State College, Mathematics  
**MALINAUSKAS, ANTHONY P.**, Ashley, Chemistry  
**MARSH, ELBERT L.**, Philadelphia, Engineering  
**MARTIN, JOHN P., Jr.**, Connellsville, Chemistry  
**MELIUS, MELVIN E., Jr.**, Drexel Hill, Zoology  
**MIDDAUGH, RICHARD L.**, Meadville, Chemistry  
**MORRIS, CLIFTON**, Fredericktown, Microbiology  
**PRESCOTT, HENRY E., Jr.**, Prospect Park, Botany  
**PRUETT, PATRICIA A.**, Bryn Mawr, Biochemistry  
**TAYLOR, ROBERT C.**, Sheffield, Chemistry  
**RHEIN, RONALD R.**, Reading, Zoology  
**SCHLEH, EDWARD E.**, Williamsport, Earth Sciences  
**SCHLEICHER, DAVID L.**, Bloomsburg, Earth Sciences  
**SCHULTZ, ALBERT B.**, Philadelphia, Engineering  
**SEGAL, BARBARA E.**, Philadelphia, Medical Sciences  
**SCHULTZ, CHARLES H.**, Lancaster, Earth Sciences  
**SIEBER, JAMES L.**, Blairs Mills, Mathematics  
**STRINE, WILLIAM B.**, Media, Engineering  
**VERBIT, LAWRENCE P.**, Philadelphia, Chemistry  
**WADDILL, MARCELLUS E.**, Pittsburgh, Mathematics  
**YURA, JOSEPH A.**, Allentown, Engineering

*Postdoctoral*

**BARANGER, ELIZABETH U.**, Pittsburgh, Physics  
**DEYRUP, JAMES A.**, West Chester, Chemistry  
**FIVEL, DANIEL I.**, Philadelphia, Physics  
**GURER, ALBERT L.**, Bridgeville, Earth Sciences  
**HOYLAND, JAMES R.**, Pittsburgh, Chemistry  
**LANGER, JAMES S.**, Pittsburgh, Physics  
**LEITNER, ALFRED**, Allentown, Medical Sciences  
**LUDWIG, OLIVER G.**, Philadelphia, Chemistry  
**PEARSON, JAMES J.**, Pittsburgh, Physics  
**SINKOVICH, GEORGE**, Jacobs Creek, Engineering  
**WHINSTON, ANDREW**, Pittsburgh, Mathematics

*Senior Postdoctoral*

**AUSTERN, NORMAN**, Pittsburgh, Physics  
**BARANGER, MICHEL**, Pittsburgh, Physics  
**CUTKOSKY, RICHARD E.**, Pittsburgh, Physics

GOODMAN, LIONEL, University Park, Chemistry  
KLEIN, ABRAHAM, Philadelphia, Physics  
LINDSTROM, EUGENE S., University Park, Physiology  
SKELL, PHILIP S., University Park, Chemistry

#### *Science Faculty*

ANTOUN, SR. M. LAWREACE, Erie, Chemistry  
BOTDORF, RUTH G., Harrisburg, Chemistry  
BRICKMAN, ARTHUR D., University Park, Engineering  
COMSTOCK, CRAIG, Norristown, Mathematics  
FRITZ, RODGER L., University Park, Engineering  
GENZLINGER, BRYCE S., Philadelphia, Engineering  
HAAG, VINCENT H., Lancaster, Mathematics  
HEINE, HAROLD W., Lewisburg, Chemistry  
HEISEY, H. ORVILLE, Grantham, Chemistry  
LEIDY, BLAINE I., Pittsburgh, Engineering  
MCNABB, JOHN W., Easton, Engineering  
MOSS, JOHN H., Lancaster, Earth Sciences  
REMICK, FORREST J., Jr., University Park, Engineering  
ROSEN, DAVID, Swarthmore, Mathematics  
SHONTZ, CHARLES J., Clarion, Biology  
VAN METER, ROBERT G., Beaver Falls, Mathematics  
WOOD, THOMAS H., Philadelphia, Biophysics

#### *Summer Fellowships for Secondary School Teachers*

ACKERMAN, SR. M. ALICE I., Philadelphia, Biology  
AMMERMAN, EDWARD G., Philipsburg, General Science  
ANSELMO, SHIRLEY M., New Castle, Biology  
ARTHUR, ROBERT S., Pittsburgh, Mathematics  
ATTY, ALEX G., Windber, General Science  
BEAM, SR. M. ALEXINE, Pittsburgh, Biology  
BENDER, EARL ARTHUR, Slatington, Biology  
BONNER, SR. M. CATHERINE, Philadelphia, General Science  
CALLANAN, MO. DOLORES M., Philadelphia, Mathematics  
DEMITRAS, BRO. GREGORY C., Philadelphia, Chemistry  
DOTTERER, STANLEY S., Elizabethtown, Mathematics  
DOUBET, SR. M. MARK, Erie, Mathematics  
EVANS, EDWARD WILLIAM, West Lawn, Mathematics  
HERMAN, RICHARD P., Hathoro, Mathematics  
HOUGH, RAYMOND EARLE, Monongahela, Mathematics  
JONES, DOROTHY LOIS, State College, Mathematics  
KREISER, RICHARD L., Jim Thorpe, Mathematics  
KNOCK, SR. MARTIN DE P., Altoona, Biology  
KUHN, RALPH EDWARD, Emmaus, Mathematics  
LATHAM, WILLIAM S., Philadelphia, Biology  
MALESKEY, PAUL E., Allentown, Chemistry  
MAMARY, ALBERT, Shillington, Mathematics  
MARKLEY, FRED ALLEN, Shippensburg, General Science  
MCCLAUGHLIN, JANE ANN, Harrisburg, Mathematics  
MOYER, STUART F., York, Mathematics  
PATTERSON, BRO. D. STEPHEN, Pittsburgh, Mathematics  
PETRARCA, SR. M. JEAN, Greensburg, Mathematics

SAUKAITIS, SR. M. P., Coraopolis, Zoology  
SCHILLINGER, SR. M. J., Pittsburgh, Biology  
SCHROEDER, KENNETH E., George School, Zoology  
SHARKAN, WILLIAM W., Allentown, Chemistry  
SNELL, JANIS ROSE, York, Mathematics  
SPILLANE, DANIEL PAUL, Pittsburgh, Mathematics  
TATE, GLADYS, Erie, Mathematics  
WEISS, SR. M. OLIVETTE, Lancaster, General Science  
ZICCARDI, VINCENT, New Hope, Biology  
ZIMMERMAN, PATRICIA V., Elkins Park, Mathematics

#### PUERTO RICO

##### *Graduate*

COLONROLDAN, IVAN E., Rio Piedras, Mathematics

##### *Science Faculty*

ESCABI, LUIS A., Santa Maria, Genetics

#### RHODE ISLAND

##### *Graduate*

DURST, RICHARD A., Newport, Chemistry  
FINE, ARTHUR D., Providence, Engineering  
GOULD, MEREDITH C., West Barrington, Zoology  
GOULD, ROBERT O., Providence, Chemistry  
LUND, JUDITH N., East Providence, Botany  
MARTINS, JOSEPH F., East Providence, Chemistry  
SIMMONS, WILLIAM S., Providence, Anthropology

##### *Cooperative Graduate*

BEAUDET, PAUL R., Pawtucket, Physics  
CAPOTOSTO, AUGUSTINE, JR., Cranston, Chemistry  
CUTTS, WILLIAM B., Providence, Zoology  
FORTIER, GERALD J., Pawtucket, Engineering  
HARTMANN, GEORGE C., Providence, Botany  
HOWARD, ALAN, Providence, Mathematics  
JACKMAN, REGINALD C., Wakefield, Physics  
LIPSON, MELVIN A., Cranston, Chemistry  
TUCKER, DONALD P., Barrington, Social Sciences

##### *Summer Fellowships for Graduate Teaching Assistants*

DILEONE, GILBERT R., Providence, Microbiology  
DURST, RICHARD A., Newport, Chemistry  
GORMALLY, JOHN M., North Providence, Engineering  
HOWARD, ALAN, Providence, Mathematics  
VERY, PHILIP S., Warwick, Psychology  
VOICHICK, MICHAEL, Providence, Mathematics

##### *Senior Postdoctoral*

BRAY, PHILIP J., Providence, Physics  
COLE, ROBERT H., Providence, Chemistry

##### *Science Faculty*

DUTCHER, BARRY C., Providence, Mathematics  
GURLAND, JOSEPH, Providence, Engineering

*Summer Fellowships for Secondary School Teachers*

SCHUMANN, MO. VIRGINIA M., Providence, Mathematics  
WALSH, SR. M. TERENCE, Riverside, Mathematics

**SOUTH CAROLINA**

*Graduate*

CONNOR, LAURENCE N., JR., Barnwell, Engineering  
GETTYS, WILLIAM E., Union, Physics  
JOHNSON, BEN L., Clemson, Engineering  
LUNNEY, DAVID C., Camden, Chemistry  
MONTGOMERY, LUCIUS K., Kingstree, Mathematics  
ROGERSON, NANCY C., Columbia, Physics

*Cooperative Graduate*

ALLEN, LEONARD R., Kings Creek, Botany  
BOWERS, KERRY W., Columbia, Chemistry  
HASKELL, PETER L., West Columbia, Engineering  
JONES, EDWIN R., JR., Dillon, Physics  
KNIGHT, FURMAN D., Sumter, Mathematics  
RUGHEIMER, JOHN H., Charleston, Physics  
WHITE, HAROLD M., Clemson, Chemistry

*Summer Fellowships for Graduate Teaching Assistants*

BICKLEY, JOE D., Elloree, Engineering  
GIBSON, GERALD W., Pauline, Chemistry  
HENRY, OSCAR, Columbia, Botany  
MORRISON, ROBERT W., JR., Columbia, Chemistry  
PARNELL, JAMES F., Timmonsville, Biology  
TILLER, WILLIAM E., Anderson, Physics  
WYNN, WILLARD K., JR., Newberry, Botany  
YARBROUGH, DAVID W., Charleston, Engineering

*Postdoctoral*

SHEALY, CLYDE N., Kershaw, Medical Sciences

*Science Faculty*

LITMAN, SAMUEL, Columbia, Engineering  
ULDRICK, JOHN P., Clemson, Engineering

*Summer Fellowships for Secondary School Teachers*

JENKINS, FAYE E., Anderson, Mathematics  
KURTZ, MARGARET G., Columbia, Mathematics

**SOUTH DAKOTA**

*Graduate*

BUSWELL, LINDA M., Aberdeen, Psychology  
DRIML, MARILYN J., Hot Springs, Zoology  
RASMUSSEN, GARY H., Clark, Chemistry  
SCHUMAKER, LARRY L., Britton, Mathematics

*Cooperative Graduate*

MACBEK, JOSEPH H., Faulkton, Physics  
PIERCE, ROBERT L., Huron, Mathematics  
TIESZEN, LARRY L., Sioux Falls, Zoology

*Summer Fellowships for Graduate Teaching Assistants*

ROBINSON, THOMAS A., Hot Springs, Chemistry

*Postdoctoral*

SCHIRBER, JAMES E., Moberidge, Physics

*Science Faculty*

MCNEIL, RICHARD D., Rapid City, Engineering  
MOORE, RAYMOND A., Brookings, Agriculture

*Summer Fellowships for Secondary School Teachers*

CONKLIN, AUGUST, Aberdeen, Biology  
CONWAY, JOHN V., Yankton, Mathematics  
HILLS, CARROLL L., Mitchell, Biochemistry

**TENNESSEE**

*Graduate*

BLOOMER, JAMES L., Knoxville, Chemistry  
BURNS, RALPH M., Alcoa, Engineering  
DIETRICH, FRANK S., Memphis, Physics  
ENGELBERG, DON P., Memphis, Physics  
GARDNER, JANET K., Memphis, Biochemistry  
HALL, DONALD E., Cleveland, Physics  
HAMM, ROBERT N., Ramer, Physics  
LANIER, RANDOLPH D., Nashville, Chemistry  
PORTER, JOHN C., Columbia, Engineering  
RANDOL, BURTON S., Memphis, Mathematics  
RITTENBERG, ALAN, Nashville, Physics  
RITTER, ENLOE T., Memphis, Physics  
THOMPSON, JAMES R., Memphis, Mathematics  
VARNELL, LARRY S., Sewanee, Physics  
WALPOLE, JAMES N., Brownsville, Engineering

*Cooperative Graduate*

ASHLEY, JAMES C., Bristol, Physics  
BOYD, DAVID A., Chattanooga, Engineering  
CHRISTY, JOHN H., JR., Nashville, Mathematics  
HEIMBERG, LAURA K., Nashville, Psychology  
JONES, WILLIAM D., Nashville, Physics  
KROHN, KENNETH B., Nashville, Physics  
MCNIELL, GLENDA F., Memphis, Microbiology  
QUARLES, WILLIAM G., Nashville, Chemistry  
RUTLEDGE, RONALD M., Knoxville, Chemistry  
SCHEINBERG, STEPHEN, Memphis, Mathematics  
SHOUP, CHARLES S., JR., Oak Ridge, Chemistry  
SMITH, ALPHONSO L., Memphis, Mathematics  
THOMPSON, CLIFTON C., JR., Columbia, Chemistry  
THOMPSON, WILLIAM T., Chattanooga, Chemistry  
WOODY, CHARLES O., JR., Somerville, Physiology

*Summer Fellowships for Graduate Teaching Assistants*

CAMPBELL, GEORGE M., Nashville, Chemistry  
DAVIS, KENNETH J., Knoxville, Mathematics  
JONES, WILLIAM D., South Nashville, Physics  
KERCE, ROBERT H., Nashville, Mathematics  
MCCARTY, STUART W., Knoxville, Chemistry  
MILLER, ROBERT V., Knoxville, Physics  
SNOWDEN, BRINKLEY S., JR., Collierville, Chemistry  
STEWART, MARY C., Pleasant Hill, Zoology  
STONE, ELMORE T., Nashville, Chemistry  
WEBB, NED C., Linden, Chemistry

### Postdoctoral

BROCKMAN, HERMAN E., Clinton, Genetics  
FAIN, JOHN N., Jefferson City, Physiology

### Senior Postdoctoral

MAKINODAN, TAKASHI, Oak Ridge, Biology

### Science Faculty

BEIL, ROBERT J., Nashville, Mathematics  
KEEDY, HUGH F., Nashville, Engineering  
MIN, TONY C., Rockwood, Engineering  
REDWINE, FREDERICK R., Chattanooga, Physics

### Summer Fellowships for Secondary School Teachers

FORTUNE, JIMMIN C., Bartlett, Mathematics  
SWITZER, MAURINE W., Maryville, Biology  
TORRENCE, MARTHA W., Antioch, Mathematics

### TEXAS

#### Graduate

ANDERSON, JOHN E., Austin, Engineering  
BARBIN, ALLEN R., Beaumont, Engineering  
BARNES, VIRGIL E., II, Austin, Physics  
BOTT, JERRY F., Tyler, Engineering  
BRICE, DAVID K., Sulphur Spring, Physics  
BUFFLER, RICHARD T., Austin, Earth Sciences  
CHANDLER, COLSTON, Sherman, Physics  
CHESTER, ARTHUR N., Austin, Physics  
CLARK, BARRY G., Canyon, Astronomy  
COGDELL, THOMAS J., Electra, Chemistry  
COLLIER, ROBERT J., Fort Worth, Physiology  
DOBRUH, JAMES R., Austin, Mathematics  
DOUGHARTY, NEIL A., Jasper, Engineering  
DOYLE, JOSEPH C., Houston, Physics  
DREWRY, GEORGE E., Austin, Zoology  
FINNEY, PAULINE M., McAllen, Biochemistry  
GIBSON, BENJAMIN F., Lufkin, Physics  
GILMARTIN, MICHAEL C., Fort Worth, Mathematics  
GRABINER, SANDY, Pharr, Mathematics  
GREENHALL, CHARLES A., Dallas, Physics  
GUNN, JAMES E., Beeville, Astronomy  
HALE, LEONARD A., Snyder, Engineering  
HAMRICK, GARY C., Dallas, Mathematics  
JACKSON, HENRY W., Houston, Physics  
JOHNSON, CLAIBORNE H., Dallas, Mathematics  
JOHNSON, ERNEST W., Jr., Dallas, Biophysics  
JORDAN, EMILY C., Houston, Zoology  
KAMINSKY, MARJORIE E., Sealy, Biochemistry  
KNEBEK, BERNARD D., Seymour, Biology  
LEVY, CHARLES M., Houston, Psychology  
LOMONACO, SAM J., Dallas, Mathematics  
MCCLAINE, WILLIAM M., Georgetown, Chemistry  
MCGUIRE, MICHAEL L., College Station, Engineering  
MECKEL, LAWRENCE D., Baytown, Earth Sciences  
MEYERS, CLYDE C., Jr., Beaumont, Engineering  
MOORE, ROBERT E., Arlington, Zoology  
MYERS, RALPH L., Wichita Falls, Earth Sciences  
ODELL, RALPH D., Austin, Engineering  
PRESCOTT, CHARLES Y., Houston, Physics  
PUSEY, WALTER C., III, Houston, Earth Sciences  
REICHERT, JOHN D., Austin, Physics

SANDERS, BOBBY L., Canton, Mathematics  
THOMAS, LEE C., Austin, Engineering  
WILLIY, FREDERICK G., Garland, Chemistry

#### Cooperative Graduate

ABLES, PAULA R., Austin, Biochemistry  
BEYMON, EUGENE T., Jr., Corpus Christi, Engineering  
BYERLY, HAMILTON R., Jr., Houston, Physics  
COLLINS, CARL B., Jr., San Antonio, Physics  
COON, JULIAN B., Pasadena, Physics  
CROSBY, GARY W., Spurger, Earth Sciences  
DUCE, ROBERT A., San Antonio, Chemistry  
FINCH, RAY N., Bay City, Engineering  
GALE, WILLIAM A., Fort Worth, Mathematics  
GEORGE, CHARLES F., Jr., Brownwood, Engineering  
GORSUCH, RICHARD L., Fort Worth, Psychology  
GRAY, ALFRED, Dallas, Mathematics  
HAIN, PAUL L., Dallas, Engineering  
HODGES, LAURENT, Houston, Physics  
LADNER, SIDNEY J., Houston, Chemistry  
LEE, WILLIAM J., Sweetwater, Engineering  
LIPE, WILLIAM N., San Benito, Agricultural Sciences  
LOEFFLER, CHARLES E., Junction, Engineering  
MCENTEE, WINNIE R., Dallas, Chemistry  
MCGEEHEE, RICHARD V., Abilene, Earth Sciences  
OTTMERS, DELBERT M., Jr., San Marcos, Engineering  
POHLER, ROBERT F., Fredericksburg, Engineering  
QUADE, CHARLES R., Dallas, Physics  
RICHARDSON, RICHARD H., Mexia, Genetics  
SCOUTEN, DONALD C., Dallas, Engineering  
SHELTON, ROBERT D., Fort Worth, Engineering  
STANFORD, JOHN L., La Porte, Physics  
STROUP, DOROTHY A., Dallas, Botany  
WHITE, ELNA H., Houston, Psychology  
WILLIAMS, JOHN M., Houston, Engineering  
YOUNG, PHILLIP G., Jr., Refugio, Physics

#### Summer Fellowships for Graduate Teaching Assistants

ANDERSON, JAY E., Jr., Austin, Earth Sciences  
BEACH, STELLAR B., Waco, Physiology  
BRIDGES, JAMES W., Jr., Houston, Engineering  
BUNTING, WILLIAM D., Jr., College Station, Physics  
CLINGER, BARBARA A., Austin, Mathematics  
COLEMAN, EUGENE A., Amherst, Genetics  
ELSIK, WILLIAM C., Caldwell, Earth Sciences  
FRY, JOHN L., Waco, Physics  
HEATHERLY, HENRY E., College Station, Mathematics  
KAINER, GEORGIA A., Weimar, Social Sciences  
KEBE, JAMES D., Lubbock, Engineering  
MCALISTER, WAYNE H., Cuero, Zoology  
MCENTEE, WINNIE R., Dallas, Chemistry  
NEWTON, SANDRA A., Beaumont, Physiology  
NILES, FRANKLIN E., Austin, Physics  
OWEN, DON E., Fort Worth, Earth Sciences  
PARK, LESLIE J., Midland, Chemistry  
RIKE, ZEB W., III, Farmersville, Chemistry  
RYAN, DONALD E., Austin, Mathematics  
SAUNDERS, CHARLES R., Roscoe, Zoology  
SMITH, LEE A., Fort Worth, Earth Sciences



STOUSE, PIERRE A., Jr., Austin, Social Sciences  
WATTS, HARRY L., Portland, Mathematics  
WOFFORD, JERRY C., Waco, Psychology

#### *Postdoctoral*

BEYERS, ROBERT J., Austin, Biology  
CONNELL, EDWIN H., Anson, Mathematics  
GROSS, MEREDITH G., Jr., Amarillo, Earth Sciences  
HALFRIN, KENNETH M., Lackland Air Force Base, Biochemistry  
HENDERSON, GEORGE W., Dallas, Mathematics  
SIMMONS, MARVIN G., Carrollton, Earth Sciences  
STUBBLEFIELD, TRAVIS E., Denton, Microbiology  
TOMBRELLO, THOMAS A., Houston, Physics  
VAN AUKEN, THOMAS V., Alpine, Chemistry  
WORRELL, JOHN M., Jr., Colorado City, Mathematics

#### *Senior Postdoctoral*

KASTEN, FREDERICK H., College Station, Microbiology  
MATSEN, FREDERICK A., Austin, Chemistry  
PASLAY, PAUL R., Houston, Engineering

#### *Science Faculty*

ALBERT, MARILYN L., Waco, Microbiology  
BAKER, H. W. CHARLES, Dallas, Engineering  
BALLARD, HAROLD N., El Paso, Physics  
BRANNEN, JOSEPH P., Austin, Mathematics  
BREHM, BERTRAM G., Jr., Baytown, Botany  
CALCOTE, LEE R., Arlington, Engineering  
GRUBBS, EDWARD C., College Station, Engineering  
GURRANT, WILLIAM B., Jr., Sherman, Chemistry  
KRAHL, NAT W., Houston, Engineering  
KUNZE, OTTO R., College Station, Engineering  
MARTIN, EDWARD W., Prairie View, Zoology  
MITCHELL, ROBERT W., Beaumont, Zoology  
PINNELL, CHARLES, College Station, Engineering  
REKOFF, MICHAEL G., Jr., College Station, Engineering  
SCHOBLEER, WILBUR C., Dallas, Engineering  
WISSLER, EUGENE H., Austin, Engineering

#### *Summer Fellowships for Secondary School Teachers*

ALLEN, SR. M. BOSCO, Wichita Falls, Mathematics  
BALL, FRED, JR., San Antonio, Mathematics  
BENNETT, NORMAN J., Sherman, Mathematics  
BENHONT, SR. M. CATHERINE, Corpus Christi, Mathematics  
CONTRERAS, JOE, Falfurrias, Mathematics  
DAUNIS, GERALDINE, Fort Worth, Mathematics  
GIBBS, SARAH M., Houston, Mathematics  
HAVERTY, SR. VINCENT, Bellaire, Mathematics  
HERNANDEZ, MATILDE L., Corpus Christi, Mathematics  
HUDMAN, JOHN T., Beeville, Physics  
LUCAS, BENNY WAYNE, Seminole, Mathematics  
MAHAN, EARL RAPHAEL, El Paso, Mathematics  
MATTHEWS, WILMOTH C., El Paso, Chemistry

MINNER, SR. JEANNE, Corpus Christi, Biology  
ORBAR, NOLAN LARRY, Alice, Mathematics  
SANBOM, IRA R., Kerrville, Mathematics  
SCHULZ, HERBERT W., Waller, General Science  
TITUS, BRO. GILBERT R., San Antonio, General Science  
WALKER, SHERRILL G., Gladewater, Mathematics

#### UTAH

#### *Graduate*

BREWER, JOHN M., Baltimore, Biochemistry  
DEWEY, JOHN R., Salt Lake City, Anthropology  
DOBRY, CARL N., Provo, Engineering  
GERRIETS, CARL E. J., Logan, Mathematics  
GRANT, SHELDON K., New Harmony, Earth Sciences  
IVIE, EVAN L., Ogden, Engineering  
JENSON, EVAN D., Brigham City, Chemistry  
MOLER, CLEVE B., Salt Lake City, Mathematics  
MORTIMER, ROBERT G., Logan, Chemistry  
MUIRBROOK, NEWELL K., Ogden, Engineering  
PRICE, JOHN A., Salt Lake City, Anthropology  
RUNNELS, DONALD D., Salt Lake City, Earth Sciences  
TAYLOR, VASCO R., Salt Lake City, Meteorology  
TOLMAN, CHADWICK A., Bountiful, Chemistry

#### *Cooperative Graduate*

BATTY, JOSEPH C., Vernal, Engineering  
BILLS, JAMES L., Salt Lake City, Chemistry  
BROTHERS, JOHN E., Salt Lake City, Mathematics  
GILES, EUGENE, Salt Lake City, Anthropology  
HALAMANDARIS, HARRY, Price, Engineering  
JACOB, RICHARD J., Salt Lake City, Physics  
PALMER, BRENT C., Cedar City, Botany  
WAGNER, RICHARD L., Jr., Salt Lake City, Physics

#### *Summer Fellowships for Graduate Teaching Assistants*

CHRISTIAN, RAYMOND W., Salt Lake City, Earth Sciences  
DASTRUP, BERNARD C., Provo, Biology  
FRANK, JEAN A., Logan, Chemistry  
JONES, MERRELL R., Salt Lake City, Physics  
MURREL, WILLIAM J., Provo, Physics  
ROBISON, RICHARD A., Fillmore, Earth Sciences  
SHAW, WEILDING T., Clearfield, Physics

#### *Postdoctoral*

MILLER, GENE W., Logan, Botany

#### *Senior Postdoctoral*

TAYLOR, STERLING A., Logan, Agricultural Sciences

#### *Science Faculty*

DALLEY, JAMES E., Salt Lake City, Engineering  
ELICH, JOSEPH, Logan, Mathematics  
JONES, WILLIAM L., Logan, Engineering

*Summer Fellowships for Secondary School Teachers*

KING, A. LAVELL, Orem, Zoology

VERMONT

*Graduate*

ADLER, STEPHEN L., Bennington, Physics  
COLE, STEPHEN A., Jamaica, Social Sciences  
SARGENT, GEORGE D., Barre, Chemistry

*Cooperative Graduate*

COOK, PHILIP W., Underhill, Botany

*Science Faculty*

CASAVANT, DOMINIQUE P., Winooski, Physics  
FOLINAS, SR. MARY D., Burlington, Biology

VIRGINIA

*Graduate*

ADAMS, JOHN B., Charlottesville, Physics  
ADELBERGER, ERIC G., Arlington, Physics  
ANDERSON, JAMES T., Alexandria, Mathematics  
BAKER, THOMAS N., III, Petersburg, Chemistry  
BARKER, ROBERT G., Charlottesville, Mathematics  
BOWEN, ELEANOR W., Petersburg, Zoology  
BOYKIN, JOHN C., Richmond, Zoology  
COOK, GERALD, Galax, Engineering  
GARMON, LUCILLE B., Richmond, Chemistry  
HENDERSON, NANINE S., Norfolk, Zoology  
HUFFMAN, ARTHUR H., Blacksburg, Physics  
KENK, VIDA C., Alexandria, Biology  
LOUTZENHEISER, CARL B., Arlington, Engineering  
LUNDQUIST, DAVID E., Hampton, Physics  
MANGUM, CHARLOTTE P., Norfolk, Zoology  
MCCLANAHAN, CHARLENE, Grundy, Genetics  
MINTZ, MICHAEL J., Arlington, Chemistry  
MONTGOMERY, CHARLES G., Hollins College, Physics  
MOSS, CALVIN E., Richmond, Physics  
MURRAY, JOSEPH J., Jr., Lexington, Zoology  
RENNINGER, GEORGE H., Fredericksburg, Physics  
RICHARDSON, SARA L., Blacksburg, Physiology  
SMITH, ROBERT S., Arlington, Engineering  
SPITZER, DANIEL M., Jr., Charlottesville, Physics  
STANDRIDGE, ROBERT T., Charlottesville, Chemistry  
STEARNS, EVELYN N., Arlington, Chemistry  
STEPHENS, FRANKLIN M., Arlington, Earth Sciences  
YOUNG, JOHN A., Arlington, Meteorology

*Cooperative Graduate*

BARNARD, MARLENE B., Richmond, Chemistry  
CAMP, FREDERICK W., Arlington, Engineering  
DAVIS, HAWTHORNE A., Quinton, Physics  
DAVIS, RANDALL T., Winchester, Engineering  
DESJARDINS, RICHARD, Falls Church, Physics  
DOUGHTY, WILLIAM C., Willis Wharf, Physics  
DREM, CHARLES M., Richmond, Physics  
HUGHES, JAMES L., Richmond, Mathematics  
MCCONNELL, ALAN, Alexandria, Mathematics  
MCNETT, CHARLES W., Jr., Alexandria, Anthropology

NORDQUIST, PAUL E., Jr., Arlington, Chemistry

NORTON, JOHN R., Falls Church, Mathematics  
SHENK, WILLIAM E., Arlington, Meteorology  
SNOW, SAMUEL G., Hickory, Physics  
SUTER, DANIEL B., Harrisonburg, Zoology  
SYDNOR, GILES G., III, Winchester, Engineering  
THOMAS, KEITH S., Weyers Cave, Physics  
VAUGHAN, LAWRENCE G., Arlington, Chemistry  
WYNN, RONALD L., Newport News, Physics

*Summer Fellowships for Graduate Teaching Assistants*

MANGUM, CHARLOTTE P., Norfolk, Zoology  
MORRIS, MICHAEL S., Roanoke, Physics  
SHOEMAKER, NANCY E., Fredericksburg, Chemistry

*Science Faculty*

BLANK, GRACE J., Williamsburg, Medical Sciences  
BLISS, LAURA, Lynchburg, Biochemistry  
LEE, JOSEPH R., Williamsburg, Mathematics

*Summer Fellowships for Secondary School Teachers*

BAKER, LOUIS CALVIN, Arlington, Biology  
HAACK, LOUISE B., Annandale, Mathematics  
HAUSER, SR. M. ANN JOSEPH, Alexandria, Mathematics  
MILLIKEN, HAROLD ROY, New Market, Biology  
RION, JAMES W., Manassas, Mathematics  
STINE, MARY E., Alexandria, Mathematics  
TSINGER, CLAUDE G., Dayton, General Sciences

WASHINGTON

*Graduate*

ALVORD, RICHARD P., Centralia, Earth Sciences  
ARMSTRONG, RICHARD L., Seattle, Earth Sciences  
BEATTY, DAVID D., Blaine, Physiology  
CRASWELL, KEITH J., Port Orchard, Mathematics  
ESPER, HILDEGARD, Index, Zoology  
FARIS, WILLIAM G., Seattle, Mathematics  
GERBRACHT, ROBERT J., Seattle, Physics  
HARTILL, DONALD L., Chewelah, Physics  
HEIPLE, CLINTON R., Seattle, Engineering  
HODGE, ROBERT W., Port Angeles, Social Sciences  
HOPCROFT, JOHN E., Seattle, Engineering  
INGRAHAM, JOHN C., Cambridge, Physics  
JENKINS, DAVID A., Seattle, Engineering  
JONAS, ROBERT J., Pullman, Biology  
KARLINSKY, KURTLE J., Tacoma, Engineering  
KLEIN, GERALD W., Seattle, Chemistry  
KROON, JOHN D., Seattle, Mathematics  
KRUEGER, ROGER C., Seattle, Engineering  
LAWLER, RONALD G., Seattle, Chemistry  
MCNEILL, DALE A., Tacoma, Physics  
RITER, JOHN R., Jr., Seattle, Chemistry  
RUSTAD, NORMAN E., Poulsbo, Chemistry  
SANDBERG, HOWARD E., Spokane, Biophysics  
STAVE, LLOYD P., Seattle, Engineering  
SWANSON, DONALD A., Centralia, Earth Sciences  
VERNER, JARED, Bothell, Zoology  
WIBERG, CURT A., Ellensburg, Biology

### *Cooperative Graduate*

ARGABRIGHT, LOREN N., Seattle, Mathematics  
BENSTON, MARGARET A., Kelso, Chemistry  
BRANSCOMB, ELBERT W., Tacoma, Physics  
CAMPBELL, WARREN A., Seattle, Astronomy  
FIRTH, WILLIAM G., Seattle, Physics  
FUKUSHIMA, EIICHI, Seattle, Physics  
GERHOLD, GEORGE A., Seattle, Chemistry  
HOFFMAN, ETHELWYN G., Seattle, Zoology  
KIBBY, CHARLES L., Chelan, Chemistry  
LONG, JOHN A., Seattle, Zoology  
LORNE, THOMAS R., Vancouver, Physics  
PARISEAU, MARIAN A., Kelso, Chemistry  
PETERSEN, JON E., Olympia, Mathematics  
PETERSON, ROY J., Everett, Physics  
PILKEY, ORRIN H., Richland, Earth Sciences  
RAMUS, JOSEPH E., Seattle, Physics  
ROBBINS, STERLING G., Seattle, Anthropology  
ROSENGREN, PATRICIA A., Centralia, Mathematics  
SHACKLEFORD, WILLIAM L., Seattle, Engineering  
STIEFBOLD, DAVID R., Pullman, Engineering  
TOUTONGHI, JOHN P., Seattle, Physics  
VERNON, CARL W., Seattle, Physics  
WAKE, DAVID B., Parkland, Biology  
WEISS, MAX L., Seattle, Mathematics

### *Summer Fellowships for Graduate Teaching Assistants*

CONE, WYATT W., Pullman, Zoology  
BAKUS, GERALD J., Seattle, Zoology  
DUBE, MAURICE A., Rosalia, Botany  
LARSEN, JOHN H., Jr., Tacoma, Zoology  
PARISEAU, MARIAN A., Kelso, Chemistry  
ROBBINS, STERLING G., Seattle, Anthropology  
SCOTT, NORMAN R., Mead, Engineering

### *Postdoctoral*

ALEXANDER, ALEX G., Lowell, Agriculture  
BLUMENTHAL, ROBERT M., Seattle, Mathematics  
CURRENT, JERRY H., Seattle, Chemistry  
FAHRENBACH, WOLF H., Seattle, Zoology  
KARGES, DAVID E., Seattle, Medical Sciences  
LEPSE, PAUL A., Seattle, Chemistry  
MCDANIELS, DAVID K., Seattle, Physics  
MEERON, EMMANUEL, Seattle, Physics  
TASHJIAN, ARMEN H., Jr., Seattle, Medical Sciences

### *Senior Postdoctoral*

BLAIR, JOHN S., Seattle, Physics  
JAYNE, BENJAMIN A., Pullman, Chemistry  
PIERCE, RICHARD S., Seattle, Mathematics  
WILETS, LAWRENCE, Seattle, Physics  
WOOLF, HARRY, Seattle, Social Sciences

### *Science Faculty*

BENDER, DONALD L., Pullman, Engineering  
HALLEN, ROBERT M., Pullman, Engineering  
KRIENKE, O. KARL, Jr., Seattle, Physics  
SANKS, ROBERT L., Spokane, Engineering  
SMITH, LYNWOOD S., Bremerton, Zoology

### *Summer Fellowships for Secondary School Teachers*

CALLOW, WALLACE G., Seattle, Mathematics  
JACOBSON, RICHARD W., Sunnyside, Mathematics  
LASLEY, CORNELIA B., Tacoma, Mathematics  
MARTINSEN, WESLEY D., Ferndale, General Science  
MAYER, NORMAN WILLIAM, Tacoma, Zoology

PERCY, LOYD RAY, Tacoma, Mathematics  
POST, RICHARD LINN, Aberdeen, Mathematics  
SMITH, JOHN MARTIN, Aberdeen, General Sciences  
UNDEM, ROY MARTIN, Aberdeen, Mathematics

### WEST VIRGINIA

#### *Graduate*

BILLHEIMER, JOHN W., Huntington, Engineering  
CALDWELL, RICHARD A., Huntington, Chemistry  
CLEVELAND, JAMES D., Charleston, Chemistry  
DAVIDSON, CHARLES N., Paden City, Chemistry  
FRIEDLY, JOHN C., Jr., Moundsville, Engineering  
HARRIS, CONSTANCE M., South Charleston, Biochemistry  
HIRST, LESTER L., Jr., Morgantown, Physics  
HOLT, ROBERT B., Charleston, Chemistry  
MANN, JAMES E., Jr., Bluefield, Engineering  
WEIMER, ROBERT F., Wheeling, Engineering

#### *Cooperative Graduate*

BALL, EDWIN D., Philippi, Physics  
BONAR, DANIEL D., Murraysville, Mathematics  
CORMAN, CHARLES D., South Charleston, Psychology  
FISHER, SAM S., Huntington, Engineering  
JEFFERSON, GEORGE R., Fairmont, Engineering  
RAY, JAMES P., Princeton, Mathematics  
WOLFE, CHARLES M., Fairmont, Engineering

### *Summer Fellowships for Graduate Teaching Assistants*

BIRD, SAMUEL O., South Charleston, Earth Sciences  
GREENWALD, EDWARD K., Parkersburg, Physics  
GUNTER, JOHN L., St. Albans, Physics

### *Postdoctoral*

WHEELER, JAMES W., Jr., Fairmont, Chemistry

### *Science Faculty*

WALKER, LEWIS A., Huntington, Chemistry

### *Summer Fellowships for Secondary School Teachers*

ADALIS, DOROTHY, Weirton, Biology  
NUNLEY, ROBERT GRAY, Williamsburg, Biology  
BIRD, RALPH SIDNEY, Matoaka, Chemistry  
SCHELL, DELMER L., Petersburg, Biology

### WISCONSIN

#### *Graduate*

ASPNES, DAVID E., Deforest, Physics  
BEALL, HERBERT A., Appleton, Chemistry  
BRITZEL, JOHN E., Wauwatosa, Earth Sciences  
BERMAN, NEIL S., Milwaukee, Engineering  
BIRDSALL, WILLIAM C., Milwaukee, Social Sciences  
BRANT, DAVID A., Madison, Chemistry  
BUTTON, ALLAN C., Lake Geneva, Chemistry  
CROWLEY, JOHN M., Readstown, Social Sciences

DOEDENS, ROBERT J., Milwaukee, Chemistry  
EBERT, PAUL M., Watertown, Engineering  
EIKENBERRY, ERIC F., Madison, Biophysics  
FREA, JAMES I., Sturgeon Bay, Microbiology  
FRIEBIS, JUDITH M., Waupun, Botany  
HARRIMAN, JOHN E., Appleton, Chemistry  
HEIDER, O. FREDERICK, Sheboygan, Engineering  
HENKE, WILLIAM L., Janesville, Engineering  
HINTSMAN, WILLIAM R., Milwaukee, Mathematics  
INGRAHAM, EDWARD C., Madison, Mathematics  
JACOBS, STANLEY J., Hartland, Mathematics  
KAUFMAN, RONALD, Milwaukee, Psychology  
KRESTER, NEIL R., Muskego, Chemistry  
KRESS, LAWRENCE F., Milwaukee, Botany  
KRUBSACK, ARNOLD J., Clintonville, Chemistry  
LEITH, JOHN D., Jr., Madison, Zoology  
LEVY, JEROME F., Madison, Chemistry  
LINK, JOHN K., Madison, Physics  
MACURDA, DONALD B., Jr., Madison, Earth Sciences  
MAHOWALD, ANTHONY P., Milwaukee, Biology  
MAKOUS, WALTER L., Wauwatosa, Physics  
MEYER, RALPH R., Milwaukee, Zoology  
OETZEL, GEORGE N., Beloit, Engineering  
OSTRIKER, JEREMIAH P., Madison, Astronomy  
RAMSDEN, CHARLES J., Beloit, Engineering  
RUTHERFORD, REGINALD, Madison, Physics  
SMITH, DOUGLAS L., Madison, Chemistry  
SUTTON, PAUL W., Sparta, Chemistry  
TREICHEL, PAUL M., Jr., Madison, Chemistry  
WAGNER, EUGENE R., Madison, Chemistry  
WYNGAARD, JOHN C., Madison, Engineering

#### *Cooperative Graduate*

APPLEMAN, JOAN D., Mukwonago, Chemistry  
AYEN, RICHARD J., Marshall, Engineering  
BESHINSKE, RAYMOND J., Madison, Chemistry  
BJORKHOLM, JOHN E., Milwaukee, Engineering  
BRILL, WESLEY A., Beloit, Engineering  
BRONKOWSKI, THOMAS A., Milwaukee, Mathematics  
BRUENING, GEORGE E., Madison, Biochemistry  
CHASE, LLOYD L., Milwaukee, Physics  
EBERHARDT, JOHN F., Milwaukee, Engineering  
ELWOOD, JAMES K., Ladysmith, Chemistry  
GILLMAN, DAVID S., Madison, Mathematics  
GRIMM, ROBERT A., Two Rivers, Chemistry  
HALVERSON, PEDER E., Neenah, Engineering  
HANSS, ROBERT E., Milwaukee, Earth Sciences  
HUPPLER, JOHN D., Neenah, Engineering  
IMHOF, VIOLET I., South Milwaukee, Chemistry  
JOHNSON, PAUL A., Appleton, Chemistry  
KLANDERMAN, KENT A., Spring Valley, Chemistry  
KRAUSE, EUGENE F., Madison, Mathematics  
LEVINE, SEYMOUR D., Madison, Chemistry  
MANDELKER, MARK W., Milwaukee, Mathematics  
MCCLURE, CHARLES W., Madison, Engineering  
McCORMACK, CHARLES E., Salem, Physiology  
MEISTERS, GEORGE J., Milwaukee, Chemistry  
PITZERLE, THOMAS A., Milwaukee, Engineering

POMRANING, GERALD C., Oshkosh, Engineering  
RIEDL, JOHN O., Jr., Milwaukee, Mathematics  
RUBLIN, GEORGE T., West Allis, Mathematics  
SEYHER, LOWELL A., Iola, Zoology  
SHANDS, HENRY L., Madison, Agricultural Sciences  
WAGNER, CURTIS A., Monroe, Physics  
WENDLAND, DANIEL W., Sheboygan, Engineering  
WIDMIER, JOHN M., Madison, Earth Sciences  
WILLIAMS, MICHAEL C., Waukesha, Engineering  
WILLSON, MARY F., Baraboo, Zoology  
WOLFE, ROBERT R., Chippewa Falls, Engineering  
WOLPERT, JULIAN, Madison, Social Sciences  
ZAWADZKI, JOSEPH F., Withee, Chemistry

#### *Summer Fellowships for Graduate Teaching Assistants*

BIXLER, JOHN W., Sauk City, Chemistry  
BOHNSTEDT, GEORGE W., Arcadia, Social Sciences  
BROWN, ROBERT F., Madison, Mathematics  
DUBBIN, JAMES W., Milwaukee, Chemistry  
GREENWOOD, PRISCILLA E., Milwaukee, Mathematics  
LEYSIEFFER, FREDERICK W., Wauwatosa, Mathematics  
LONNGREN, KARL E., South Milwaukee, Engineering  
LUNDIN, HERBERT J., Oshkosh, Social Sciences  
MACURDA, DONALD B., Jr., Madison, Earth Sciences  
HARTLEY, THOMAS G., La Crosse, Botany  
HOWARD, EUGENE F., Milwaukee, Botany  
KLANDERMAN, KENT A., Spring Valley, Chemistry  
KRESS, LAWRENCE F., Milwaukee, Botany  
KRUEGER, ROBERT J., Madison, Engineering  
KULAS, GREGORY S., Watertown, Physics  
MEISTERS, GEORGE J., Milwaukee, Chemistry  
NICHOLSON, RICHARD S., Madison, Chemistry  
NYBAKKEN, BETTE H., Madison, Biology  
POLAND, DUNCAN E., Madison, Chemistry  
PONTRELLI, GENE J., Madison, Chemistry  
PRICE, THOMAS M., Madison, Mathematics  
RASMUSSEN, GERALD E., Janesville, Earth Sciences  
REID, ARCHIE, Madison, Biology  
RUST, CHARLES C., Madison, Zoology  
SELL, GEORGE R., Hales Corners, Mathematics  
SKINDRUD, KARLTON D., Sparta, Psychology  
WITT, JERRY R., Marshfield, Chemistry

#### *Postdoctoral*

GAGGIOLI, RICHARD A., Madison, Engineering  
MILLER, GERALD R., Milwaukee, Chemistry  
SCHNEIDER, IMOGENE P., Pewaukee, Genetics  
WHATLEY, MALCOLM C., Madison, Physics  
WOOLSEY, NEIL F., Madison, Chemistry

#### *Science Faculty*

AUMANN, GLENN D., Stanley, Zoology  
BENNETT, MIRIAM F., Milwaukee, Zoology  
FRIEBREISEN, WILLIAM J., Madison, Engineering  
GOTTER, ELROY E., Eau Claire, Mathematics  
JANSEN, RICHARD J., Madison, Engineering  
LAW, JOHN, Jr., Madison, Engineering  
LAWRENCE, WILLARD E., Milwaukee, Mathematics

LIVERMORE, DONALD F., Madison, Engineering  
 WHITEFORD, ANDREW H., Beloit, Anthropology

*Summer Fellowships for Secondary School Teachers*

ASHENFELTER, JOHN R., Janesville, Biology  
 BATHA, JOHN VINCENT, Muskego, Biology  
 BRADWAY, KENNETH W., Edgar, Mathematics  
 BRUNNER, VINCENT F., Milwaukee, Mathematics  
 GROMME, ROY O., Glendale, Biology  
 LANDIS, JOHN R., Appleton, Mathematics  
 LEBMAN, HARRY WARREN, Casco, Botany  
 LONG, JOHN W., Menasha, Mathematics  
 MCCLOSKEY, DONALD G., Madison, Mathematics  
 O'MALLEY, SR. M. LOBAN, Madison, Mathematics  
 PATTERSON, SR. M. ADELBER, Milwaukee, Biology  
 REINHOLD, HARVEY H., Appleton, Biology  
 TREBATOSKI, SR. M. GABRIEL, Stevens Point, Biology  
 WEINBERGER, F. RICHARD, Muskego, Mathematics

WOLFF, HARRY LUDWIG, Janesville, Mathematics  
 ZWENG, MARILYN J., Madison, Mathematics

WYOMING

*Graduate*

CALVERT, JAMES B., Casper, Physics  
 FRONAPFEL, RICHARD W., Torrington, Mathematics

*Cooperative Graduate*

GILBERT, JOHN C., Laramie, Chemistry

*Summer Fellowships for Graduate Teaching Assistants*

MILLER, DON E., Cheyenne, Zoology  
 SCULLY, MARLAN O., Casper, Physics

*Science Faculty*

SINGLETON, PAUL C., Laramie, Chemistry

*Summer Fellowships for Secondary School Teachers*

NIELSEN, LENUS A., Sheridan, General Science

*Institutions Chosen by Fellowship Awardees*

[Key to table: A. Cooperative Graduate Fellowship Program. B. Graduate Fellowship Program. C. Postdoctoral Fellowship Program. D. Senior Postdoctoral Fellowship Program. E. Science Faculty Fellowship Program. F. Summer Fellowship Program for Secondary School Teachers. G. Summer Fellowship Program for Graduate Teaching Assistants.]

	A	B	C	D	E	F	G
Alabama, University of, University, Ala.					1	1	3
Alaska, University of, College, Alaska	1						1
American University, Washington, D.C.							
Arizona State College, Flagstaff, Ariz.						1	
Arizona State University, Tempe, Ariz.						2	
Arizona, University of, Tucson, Ariz.	5					3	3
Arkansas, University of, Fayetteville, Ark.	5					4	
Atlanta University, Atlanta, Ga.						5	
Auburn University, Auburn, Ala.	2						3
Baylor University, Waco, Tex.							4
Boston College, Chestnut Hill, Mass.	2					1	
Boston University, Boston, Mass.	7						5
Bowling Green State University, Bowling Green, Ohio						1	
Brandeis University, Waltham, Mass.	5		2				
Brigham Young University, Provo, Utah							3
Brooklyn, Polytechnic Institute of, Brooklyn, N.Y.	8					1	2
Brown University, Providence, R. I.	5	9			2		3
Bryn Mawr College, Bryn Mawr, Pa.	4				1		3
Buffalo, University of, Buffalo, N.Y.	3					1	4
California Institute of Technology, Pasadena, Calif.	22	96	8		2		3
California, University of, Berkeley, Calif.	40	181	11	2	16	2	9
California, University of, Davis, Calif.		1			1		
California, University of, La Jolla, Calif.		5	1	1	1		
California, University of, Los Angeles, Calif.	13	17	3		4	2	10
California, University of, Riverside, Calif.						1	
California, University of, San Francisco, Calif.		1					
California, University of, Santa Barbara, Calif.					1		
Carnegie Institute of Technology, Pittsburgh, Pa.	17	11	1	3			2
Carnegie Institute of Washington, Washington, D.C.				1			
Case Institute of Technology, Cleveland, Ohio	5				2		3
Catholic University of America, Washington, D.C.	5				1	5	3
Central Missouri State College, Warrensburg, Mo.							
Chicago, University of, Chicago, Ill.	21	50	2		2	2	11
Children's Hospital, Columbus, Ohio			1				
Cincinnati, University of, Cincinnati, Ohio	7	1			2		2
Clark University, Worcester, Mass.	2				1		
Clemson Agricultural College, Clemson, S.C.	3						
Colorado State College, Greeley, Colo.						3	
Colorado State University, Fort Collins, Colo.	3					2	1
Colorado, University of, Boulder, Colo.	4	10			3	10	5
Columbia University, New York, N.Y.	32	30	1		5	7	10

*Institutions Chosen by Fellowship Awardees—Continued*

	A	B	C	D	E	F	G
Connecticut, University of, Storrs, Conn.....	6						1
Cornell University, Ithaca, N. Y.....	28	29	8		5		14
Craigton University, Omaha, Nebr.....						8	
Dartmouth University, Hanover, N. H.....			1				
Delaware, University of, Newark, Del.....	4	1			1		3
Detroit, University of, Detroit, Mich.....						2	
Dominican College of San Rafael, San Rafael, Calif.....						2	
Duke University, Durham, N. C.....		7			1	2	4
Duquesne University, Pittsburgh, Pa.....							1
Emory University, Atlanta, Ga.....	2		1				1
Florida State University, Tallahassee, Fla.....	4	6			1	2	3
Florida, University of, Gainesville, Fla.....	1				5	3	5
Fordham University, New York, N. Y.....	1				1	10	3
George Peabody College for Teachers, Nashville, Tenn.....						1	2
George Washington University, Washington, D. C.....	3						
Georgetown University, Washington, D. C.....	3						1
Georgia Institute of Technology, Atlanta, Ga.....	4				1		1
Georgia, University of, Athens, Ga.....	3	1				2	4
Hahnemann Medical College, Philadelphia, Pa.....							1
Harvard University, Cambridge, Mass.....	25	206	16	1	9		12
Hawaii, University of, Honolulu, Hawaii.....	1	1				1	1
Houston, University of, Houston, Tex.....	3				1		
Humboldt State College, Arcata, Calif.....						1	
Hunter College, New York, N. Y.....						1	
Idaho, University of, Moscow, Idaho.....	3						3
Illinois Institute of Technology, Chicago, Ill.....	5				1	3	3
Illinois State Normal University, Normal, Ill.....						1	
Illinois, University of, Urbana, Ill.....	32	42	2		12	3	27
Immaculate Heart College, Los Angeles, Calif.....						1	
Indiana University, Bloomington, Ind.....	18	13	1		1	3	6
Institute for Advanced Study, Princeton, N. J.....			12	3			
Institute of Paper Chemistry, Appleton, Wis.....	1						
Iowa State University of Science and Technology, Ames, Iowa.....	14	11			4		11
Iowa, State University of, Iowa City, Iowa.....	9	7	1		2	2	7
John Carroll University, Cleveland, Ohio.....						1	
Johns Hopkins University, Baltimore, Md.....	6	26	1		3	1	4
Kansas State Teachers College, Emporia, Kans.....						3	
Kansas State University of Agriculture and Applied Sciences, Manhattan, Kans.....	7				3		4
Kansas, University of, Lawrence, Kans.....	7	6			1		4
Kentucky, University of, Lexington, Ky.....	4						3
Lehigh University, Bethlehem, Pa.....	4				1		1
Long Beach State College, Long Beach, Calif.....						1	
Los Angeles State College, Los Angeles, Calif.....						1	
Louisiana Polytechnic Institute, Ruston, La.....						1	
Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La.....	8	5			2	2	6
Louisville, University of, Louisville, Ky.....	2					1	1
Loyola University, Chicago, Ill.....	4					2	4
Maine, University of, Orono, Maine.....	2						
Mankato State College, Mankato, Minn.....						1	
Marine Biological Laboratory, Woods Hole, Mass.....					1		
Marquette University, Milwaukee, Wis.....						4	2
Maryland, University of, College Park, Md.....	8	5	3				4
Massachusetts Institute of Technology, Cambridge, Mass.....	43	168	2	1	4		27
Massachusetts, University of, Amherst, Mass.....	1						2
Medical College of Virginia, Richmond, Va.....	2				1		
Miami, University of, Coral Gables, Fla.....	3					1	3
Michigan State University, East Lansing, Mich.....	17	7			12	2	12
Michigan, University of, Ann Arbor, Mich.....	34	34		1	12	5	24
Minnesota, University of, Minneapolis, Minn.....	29	14	2	1	6	3	19
Mississippi Southern College, Hattiesburg, Miss.....						1	
Mississippi State University, State College, Miss.....	7						1
Mississippi, University of, University, Miss.....	2					1	2
Missouri, University of, Columbia, Mo.....	7	1			2		6
Montana State College, Bozeman, Mont.....	3						1
Montana State University, Missoula, Mont.....						3	2
Nebraska, University of, Lincoln, Nebr.....	6				2		6
New Hampshire, University of, Durham, N. H.....	2					2	4
New Mexico Highlands University, Las Vegas, N. Mex.....						1	
New Mexico State University, State College, N. Mex.....	3				1	2	3
New Mexico, University of, Albuquerque, N. Mex.....	3						4

*Institutions Chosen by Fellowship Awardees—Continued*

	A	B	C	D	E	F	G
New York State University of, College of Education, Albany, N.Y.						1	
New York State University of, College of Forestry, Syracuse, N.Y.							2
New York University, New York, N.Y.	43	9	3		2	7	3
North Carolina State College of Agriculture and Engineering, Raleigh, N.C.	8		2		1		6
North Carolina, University of, Chapel Hill, N.C.	6	4	1		1	1	4
North Dakota State University, N. Dak.	2						2
North Dakota, University of, Grand Forks, N. Dak.	5						4
North Texas State College, Denton, Tex.						2	
Northern Michigan College, Marquette, Mich.						1	
Northwestern University, Evanston, Ill.	8	14	2		4	5	3
Notre Dame, University of, Notre Dame, Ind.	7				2	16	3
Oak Ridge National Laboratory, Oak Ridge, Tenn.			1				
Ohio State University, Columbus, Ohio	47	12	2		6	6	15
Ohio University, Athens, Ohio	1						1
Oklahoma State University of Agriculture and Applied Sciences, Stillwater, Okla.	6	4			3	9	6
Oklahoma, University of, Norman, Okla.	5	7			2	2	5
Oregon State College, Corvallis, Oreg.	7				2	2	4
Oregon, University of, Eugene, Oreg.	5	6			1	1	5
Pacific University of the, Stockton, Calif.	1				1		
Pennsylvania State University, University Park, Pa.	13	7			3	7	8
Pennsylvania, University of, Philadelphia, Pa.	15	15				3	4
Peter Bent Brigham Hospital, Boston, Mass.			1				
Pittsburgh, University of, Pittsburgh, Pa.	8				2	5	7
Prairie View Agricultural and Mechanical College, Prairie View, Tex.						1	
Princeton University, Princeton, N.J.	10	112	2		2		7
Puerto Rico, University of, Rio Piedras, P.R.						1	
Purdue University, Lafayette, Ind.	36	22			10	12	20
Radcliffe College, Cambridge, Mass.	2	18					2
Rensselaer Polytechnic Institute, Troy, N.Y.	5	4			1	13	1
Rhode Island, University of, Kingston, R.I.	3						2
Rochester, University of, Rochester, N.Y.	6		1			1	5
Rutgers, The State University, New Brunswick, N.J.	7				2		
St. Bonaventure University, St. Bonaventure, N.Y.	1					2	
St. Johns University, Jamaica, N.Y.	1					2	
St. Louis University, St. Louis, Mo.	3				1	3	
San Diego State College, San Diego, Calif.						1	
San Jose State College, San Jose, Calif.						2	
Seattle University, Seattle, Wash.						3	
Smithsonian Institution, Washington, D.C.						1	
South Carolina, University of, Columbia, S.C.	3	1					4
South Dakota, State University of, Vermillion, S. Dak.						7	1
Southern California, University of, Los Angeles, Calif.	5				2	3	4
Southern Illinois University, Carbondale, Ill.	1						
Southern Louisiana Institute, Lafayette, La.						2	
Stanford University, Stanford, Calif.	39	70	5	2	20	5	19
Stevens Institute of Technology, Hoboken, N.J.	6						3
Syracuse University, Syracuse, N.Y.	11				3	4	9
Temple University, Philadelphia, Pa.	1	1					2
Tennessee, University of, Knoxville, Tenn.	7						5
Texas, Agricultural and Mechanical College of, College Station, Tex.	2				1		4
Texas Technological College, Lubbock, Tex.							2
Texas, University of, Austin, Tex.	12	10	2		9	5	10
Trinity University, San Antonio, Tex.						1	
Tufts University, Medford, Mass.	1						
Tulane University, New Orleans, La.	3	1	1				5
United States Department of Health, Education, and Welfare, Washington, D.C.			1				1
Utah State University, Logan, Utah	3	1					1
Utah, University of, Salt Lake City, Utah	2				2		4
Vanderbilt University, Nashville, Tenn.	3	1			1		3
Villanova University, Villanova, Pa.						1	
Virginia Polytechnic Institute, Blacksburg, Va.	3				1		1
Virginia, University of, Charlottesville, Va.	4		1		1	1	
Wake Forest College, Winston-Salem, N.C.		1					
Washington State University, Pullman, Wash.	3	1					1
Washington University, St. Louis, Mo.	8						4
Washington, University of, Seattle, Wash.	27	14	1	1	3	6	8
Wayne State University, Detroit, Mich.	5					4	3
Wesleyan University, Middletown, Conn.						2	
West Virginia University, Morgantown, W. Va.	3						1

*Institutions Chosen by Fellowship Awardees—Continued*

	A	B	C	D	E	F	G
Western Illinois University, Macomb, Ill.						2	
Western Michigan University, Kalamazoo, Mich.						1	
Western Reserve University, Cleveland, Ohio	3					7	2
William Marsh Rice University, Houston, Tex.	3	4					2
Wisconsin, University of, Madison, Wis.	46	52	7		13	13	24
Worcester Polytechnic Institute, Worcester, Mass.	3	1					
Wyoming, University of, Laramie, Wyo.						4	3
Xavier University, Cincinnati, Ohio.						3	
Yale University, New Haven, Conn.	11	48	1		4		9
Yeshiva University, New York, N.Y.	3	1	3		1	1	

*Foreign Institutions Chosen by Fellowship Awardees*

	Graduate	Post-Doctoral	Senior Post-Doctoral	Science Faculty
Agricultural Research Council, England			1	
Amsterdam, University of, Netherlands			1	
Atomic Energy Research Establishment, England		1		
Australian National University, Australia		2		
Baden Institute of Technology, Germany		2		
Basel, University of, Switzerland		1		
Bern, University of, Switzerland			1	
Birmingham, University of, England				1
Bonn, University of, Germany		1		
Bristol, University of, England		1		1
British Columbia, University of, Canada		1		
British Museum of Natural History, England		1		
Brussels, University of, Belgium		1	3	
Cambridge University, England	5	10	2	3
Carlsberg Foundation, Biological Institute, Denmark				2
Catholic University of Sacred Heart, Italy			1	
CERN, Switzerland		7	4	
College of France, France		1		
Cologne, University of, Germany			1	
Commonwealth Scientific and Industrial Research Organization, Australia		1		
Copenhagen, University of, Denmark		6	6	2
Council for Scientific Research, Spain				1
Ecuador, Central University of, Ecuador			1	
Edinburgh, University of, Scotland	1		2	
Florence, University of, Italy			1	
Frankfurt, University of, Germany			1	
French Atomic Energy Commission, France			1	
Glasgow, University of, Scotland		1		1
Gottingen, University of, Germany			1	
Grenoble, Polytechnical Institute of, France		1		
Hamburg, University of, Germany	1			
Hebrew University, Israel		1		
Heidelberg, University of, Germany		1	1	
Hokkaido University, Japan		1		
Hospital of Saint-Antoine, France		1		
Institute of Physico-Chemical Biology, France			2	
Iron and Steel Institute for Research, France				1
Karolinska Institute, Sweden			1	
Leeds, University of England	1	1		
Leicester, University of, England		1		
Leiden, University of, Netherlands		1		
Liege, University of, Belgium			1	
London, University of, England			11	11
Marburg, University of, Germany		3		
Max Plank Institute, Germany		8	1	1
Milan, University of, Italy		1		
Munich, University of, Germany		2	1	1
Munster, University of, Germany			1	



**Foreign Institutions Chosen by Fellowship Awardees—Continued**

	Graduate	Post-Doctoral	Senior Post-Doctoral	Science Faculty
National Center of Scientific Research, France.....		5	4	
National Institute of Psychology, Italy.....			1	
National Institute of Radiological Sciences, Japan.....			1	
National Research Council, Canada.....		1	1	
Netherlands School of Economics, Netherlands.....		2		
New Zealand Oceanographic Institute, New Zealand.....		1		
Oslo, University of, Norway.....	1	2	1	
Oxford University, England.....	8	7	3	1
Paris, University of, France.....		8	3	2
Pasteur Institute, France.....			3	
Reading, University of, England.....		1		
Rome, University of, Italy.....		2	1	1
Royal Institute of Technology, Sweden.....		1		
Royal Veterinary College, Sweden.....		1		
Saclay Nuclear Research Center, France.....		3	2	
St. Andrews, University of, Scotland.....	1			
St. Thomas' Hospital, England.....		2		
Sheffield, University of, England.....		1	1	
Stockholm University of, Sweden.....		2		
Swiss Federal Institute of Technology, Switzerland.....		3	2	4
Sydney, University of, Australia.....		1	1	
Technical Institute, Germany.....		1	1	1
Teheran, University of, Iran.....		1		
Tokyo, University of, Japan.....		1	1	
Tubingen, University of, Germany.....		1		
University of Technology, Austria.....				1
Uppsala, Royal University of, Sweden.....		3		1
Veterinary School of Norway, Norway.....			1	
Vienna, University of, Austria.....			1	
Weizmann Institute of Science, Israel.....		4	2	
Zoological Station, Italy.....	1			
Zurich, University of, Switzerland.....		2	2	

**Present or Most Recent Institutional Affiliation of Individuals Offered Science Faculty, Senior Postdoctoral, and Postdoctoral Fellowships**

	Science faculty	Senior post-doctoral	Post-doctoral
Adelphi College, Garden City, N.Y.....	1		
Akron, University of, Akron, Ohio.....	1		
Alaska, University of, College, Alaska.....	1		
Alcorn Agricultural and Mechanical College, Alcorn, Miss.....	1		
American International College, Springfield, Mass.....	1		
American University, Washington, D.C.....	1		
Antelope Valley Junior College, Lancaster, Calif.....	1		
Arizona State University, Tempe, Ariz.....	1		
Arizona, University of, Tucson, Ariz.....	2		
Arkansas, University of, Fayetteville, Ark.....	2		
Arlington State College, Arlington, Tex.....	1		
Auburn University, Auburn, Ala.....	1		
Augsburg College and Theological Seminary, Minneapolis, Minn.....	1		
Aurora College, Aurora, Ill.....	1		
Austin College, Sherman, Tex.....	1		
Baker University, Baldwin City, Kans.....	1		
Ball State Teachers College, Muncie, Ind.....	1		
Barnard College, New York, N.Y.....		1	
Baylor University, Waco, Tex.....	1		
Belleville Township Junior College, Belleville, Ill.....	1		
Beloit College, Beloit, Wis.....	1		
Birmingham, University of, England.....			1
Bowdoin College, Brunswick, Maine.....	2		
Brandeis University, Waltham, Mass.....		3	
Brookhaven National Laboratory, New York, N.Y.....		1	
Brown University, Providence, R.I.....	1	2	
Bucknell University, Lewisburg, Pa.....	1		

*Present or Most Recent Institutional Affiliation of Individuals Offered Science Faculty, Senior Postdoctoral, and Postdoctoral Fellowships—Con.*

	Science faculty	Senior post-doctoral	Post-doctoral
California Institute of Technology, Pasadena, Calif.	1		10
California State Polytechnic College, San Luis Obispo, Calif.	2		
California, University of, Berkeley, Calif.		7	21
California, University of, Davis, Calif.		2	1
California, University of, La Jolla, Calif.			1
California, University of, Los Angeles, Calif.	1	4	10
California, University of, Riverside, Calif.	1	1	
Cambridge University, England			4
Carnegie Institute of Technology, Pittsburgh, Pa.		2	8
Case Institute of Technology, Cleveland, Ohio	2		
Catholic University of Puerto Rico, Ponce, P.R.	1		
Centenary College, Shreveport, La.	1		
Central Michigan University, Mt. Pleasant, Mich.	1		
CERN, Switzerland			1
Chattanooga, University of, Chattanooga, Tenn.	1		
Chicago City Junior College, Woodrow Wilson Branch, Chicago, Ill.	1		
Chicago, University of, Chicago, Ill.	1	2	15
Chico State College, Chico, Calif.	1		
Cincinnati, University of, Cincinnati, Ohio	4		
Citrus Junior College, Azusa, Calif.	1		
Clarion State College, Clarion, Pa.	1		
Clark University, Worcester, Mass.	1		
Clarke University, Dubuque, Iowa	1		
Clarkson College of Technology, Potsdam, N.Y.	8		
Colorado College, Colorado Springs, Colo.	1		
Colorado State University, Fort Collins, Colo.	2		
Colorado, University of, Boulder, Colo.	3		
Columbia University, New York City, N.Y.	2		7
Connecticut, University of, Storrs, Conn.	2		
Contra Costa College, San Pablo, Calif.	1		
Cornell University, Ithaca, N.Y.	2	3	12
Dana College, Blair, Nebr.	1		
Dartmouth College, Hanover, N.H.	2		
Dayton, University of, Dayton, Ohio	1		
Denison College, Granville, Ohio	1		
DePauw University, Greencastle, Ind.	1		
Drexel Institute, Philadelphia, Pa.	1		
Duke University, Durham, N.C.	1		1
Earlham College, Richmond, Ind.	1		
Eastern Michigan University, Ypsilanti, Mich.	1		
El Camino College, El Camino College, Calif.	1		
Emory University, Atlanta, Ga.	1		1
Evansville College, Evansville, Ind.	1		
Flora Macdonald College, Red Springs, N.C.	1		
Florida Christian College, Tampa, Fla.	1		
Florida State University, Tallahassee, Fla.	1		2
Florida, University of, Gainesville, Fla.	4		
Fordham University, New York, N.Y.	3		
Francis T. Nicholls State College, Thibodaux, La.	1		
Franklin and Marshall College, Lancaster, Pa.	2		
Fresno State College, Fresno, Calif.	1		
Fullerton Junior College, Fullerton, Calif.	1		
General Motors Institute, Flint, Mich.	1		
Geneva College, Beaver Falls, Pa.	1		
George Washington University, Washington, D.C.	1		1
Georgia Institute of Technology, Atlanta, Ga.	2		
Georgia State College for Women, Milledgeville, Ga.	1		
Gogebic Community College, Ironwood, Mich.	1		
Gonzaga University, Spokane, Wash.	1		
Grinnell College, Grinnell, Iowa	1		
Harvard University, Cambridge, Mass.			16
Hawaii, University of, Honolulu, Hawaii	1		
Hiram College, Hiram, Ohio	1		
Hofstra College, Hempstead, L.I., N.Y.	1		
Howard University, Washington, D.C.	1		
Idaho, University of, Moscow, Idaho	2		
Illinois, University of, Urbana, Ill.	1	2	14
Illinois, University of, Chicago, Ill.	2		
Indiana University, Bloomington, Ind.		3	1
Iowa State University of Science and Technology, Ames, Iowa	1	1	3
Jackson Junior College, Jackson, Mich.	1		
Jackson State College, Jackson, Miss.	1		
Jamestown College, Jamestown, N. Dak.	1		
Johns Hopkins University, Baltimore, Md.		2	1

*Present or Most Recent Institutional Affiliation of Individuals Offered  
Science Faculty, Senior Postdoctoral, and Postdoctoral Fellowships—Con.*

	Science faculty	Senior post- doctoral	Post- doctoral
Kalamazoo College, Kalamazoo, Mich.....	1		
Kansas State University of Agriculture and Applied Science, Manhattan, Kans.....	1		
Kansas, University of, Lawrence, Kans.....	1	1	1
Kansas Wesleyan University, Salina, Kans.....	1		
Kentucky, University of, Lexington, Ky.....	2		
Lafayette College, Easton, Pa.....	1		
Lamar State College of Technology, Beaumont, Tex.....	1		
Lee College, Baytown, Tex.....	1		
London, University of, England.....			2
Long Beach City College, Long Beach, Calif.....	1		
Long Beach State College, Long Beach, Calif.....	1		
Long Island University, Brooklyn, N. Y.....	1		
Louisiana, Northwestern State College of, Natchitoches, La.....	1		
Louisiana Polytechnic Institute, Ruston, La.....	1		
Louisiana State University, Baton Rouge, La.....	2		
Louisiana State University, New Orleans, La.....	1		
Luther College, Decorah, Iowa.....	2		
Maine, University of, Orono, Maine.....	1		
Manhattan College, New York, N. Y.....	1		
Marburg, University of, Germany.....			1
Marquette University, Milwaukee, Wis.....	1		
Marshall College, Huntington, W. Va.....	1		
Maryland, College of Notre Dame of, Baltimore, Md.....	1		
Maryland, University of, College Park, Md.....		1	2
Massachusetts General Hospital, Boston, Mass.....		1	
Massachusetts Institute of Technology, Cambridge, Mass.....		2	11
Massachusetts, University of, Amherst, Mass.....	4		
Messiah College, Grantham, Pa.....	1		
Mexico City College, Mexico.....			1
Michigan College of Mining and Technology, Houghton, Mich.....	2		
Michigan State University of Agriculture and Applied Science, East Lan- sing, Mich.....	3	1	2
Michigan, University of, Ann Arbor, Mich.....	3	2	3
Minnesota, University of, Minneapolis, Minn.....	1	3	4
Mississippi State College for Women, Columbus, Miss.....	1		
Missouri, University of, Columbia, Mo.....	3	1	
Missouri, University of, School of Mines, Rolla, Mo.....	5		
Missouri Valley College, Marshall, Mo.....	1		
Montana State College, Bozeman, Mont.....	2		
Montclair State College, Upper Montclair, N. J.....	1		
Mount Holyoke College, South Hadley, Mass.....	2		
Municipal Museum, Riverside, Bell Telephone Laboratories, N. J.....		2	
National Institutes of Health, Bethesda, Md.....			1
Nebraska Wesleyan University, Lincoln, Nebr.....	1		
New Hampshire, University of, Durham, N. H.....	1		
New York, State University of, Agriculture and Technical Institute at Farmingdale, N. Y.....	1		
New York State University of, College of Education at Brockport, N. Y.....	1		
New York University, New York, N. Y.....		2	2
North Carolina State College of Agriculture and Engineering, Raleigh, N. C.....	3		
North Carolina, University of, Chapel Hill, N. C.....			1
Northern Illinois University, DeKalb, Ill.....	1		
Northern Michigan College, Marquette, Mich.....	1		
Northwestern University, Evanston, Ill.....		3	2
Notre Dame, College of, Belmont, Calif.....	1		
Oak Ridge National Laboratories, Oak Ridge, Tenn.....		1	
Oakland City College, Merritt Campus, Oakland, Calif.....	1		
Oberlin College, Oberlin, Ohio.....	1		
Ohio State University, Columbus, Ohio.....	2	2	7
Oklahoma State University of Agriculture and Applied Sciences, Still- water, Okla.....	3		
Oklahoma, University of Norman, Okla.....	1	2	
Olympic College, Bremerton, Wash.....	1		
Oregon State, Corvallis, Oreg.....	3	1	
Oregon, University of, Eugene, Oreg.....		1	
Oxford University, England.....			1
Pennsylvania State University, Ogontz Campus, Philadelphia, Pa.....	1		
Pennsylvania State University, University Park, Pa.....	3	3	3
Pennsylvania, University of, Philadelphia, Pa.....	1	1	2
Pittsburgh, University of, Pittsburgh, Pa.....	1	1	1
Polytechnic Institute of Brooklyn, Brooklyn, N. Y.....	1		
Pomona College, Claremont, Calif.....	2		
Prairie View Agricultural and Mechanical College, Prairie View, Tex.....	2		

*Present or Most Recent Institutional Affiliation of Individuals Offered  
Science Faculty, Senior Postdoctoral, and Postdoctoral Fellowships—Con.*

	Science faculty	Senior post- doctoral	Post- doctoral
Princeton University, Princeton, N.J.		1	14
Purdue University, Lafayette, Ind.	7	2	3
Radcliffe College, Cambridge, Mass.			1
Randolph-Macon Women's College, Lynchburg, Va.	1		
Redlands, University of, Redlands, Calif.	1		
Reed College, Portland, Oreg.	2		
Rice Institute, Houston, Tex.	1	1	1
Rider College, Trenton, N.J.	1		
Rochester, University of, Rochester, N.Y.	1	1	2
Rockefeller Institute, New York, N.Y.			1
Rockford College, Rockford, Ill.	1		
Rutgers, The State University, New Brunswick, N.J.	3	1	1
St. Joseph's College, Collegeville, Ind.	1		
St. Louis University, St. Louis, Mo.		2	
St. Michael's College, Winouski, Vt.	1		
St. Olaf's College, Northfield, Minn.	2		
Sacramento State College, Sacramento, Calif.	1		
San Jose State College, San Jose, Calif.	4		
San Mateo, College of, San Mateo, Calif.	1		
Santa Clara, University of, Santa Clara, Calif.	1		
Sarah Lawrence College, Bronxville, N.Y.	1		
Seattle Pacific College, Seattle, Wash.	1		
South Carolina, University of, Columbia, S.C.	1		
South Dakota School of Mines and Technology, Rapid City, S. Dak.	1		
South Dakota State College of Agriculture and Mechanic Arts, Brookings, S. Dak.	1		
Southern California, University of, Los Angeles, Calif.		1	1
Southern Illinois University, Carbondale, Ill.	1		
Southern Methodist University, Dallas, Tex.	2		
Southern University and Agricultural and Mechanical College, Baton Rouge, La.	1		
Southwestern College, Winfield, Kans.	1		
Stanford University, Stanford, Calif.		4	7
State College at Salem, Salem, Mass.	1		
Stevens Institute of Technology, Hoboken, N.J.		1	
Swarthmore College, Swarthmore, Pa.	1		
Sweetbriar College, Sweet Briar, Va.	1		
Sydney, University of, Australia.			1
Syracuse University, Syracuse, N.Y.		1	1
Tabor College, Hillsboro, Kans.	1		
Texas Agricultural and Mechanical College, College Station, Tex.	3	1	
Texas Western College, El Paso, Tex.	1		
Texas, University of, Austin, Tex.	2	1	4
Toledo, University of, Toledo, Ohio.	1		
Trinity College, Burlington, Vt.	1		
Tri-State College, Angola, Ind.	2		
Tufts University, Medford, Mass.	1		
Tulane University, New Orleans, La.			2
Tuskegee Institute, Tuskegee Institute, Ala.	1		
Union College, Lincoln, Neb.	1		
Union College and University, Schenectady, N.Y.	2		
United States Naval Postgraduate School, Monterey, Calif.	1		
Upland College, Upland, Calif.	1		
Upper Iowa University, Fayette, Iowa.	1		
Upsala College, East Orange, N.J.	1		
Utah State University of Agriculture and Applied Science, Logan, Utah.	2	1	1
Utah, University of, Salt Lake City, Utah.	1		
Vanderbilt University, Nashville, Tenn.	2		
Vermont, University of, Burlington, Vt.			1
Villa Marie College, Erie, Pa.	1		
Warsaw, University of, Poland.			1
Washington State University, Pullman, Wash.	2	1	
Washington University, St. Louis, Mo.	2	1	1
Washington, University of, Seattle, Wash.		4	6
Wayne State University, Detroit, Mich.	1		
Western Michigan University, Kalamazoo, Mich.	1		
Wheaton College, Norton, Mass.	1		
Wichita, University of, Wichita, Kans.	1		
William and Mary, College of, Williamsburg, Va.	2		
Wisconsin State College, Whitewater, Wis.	1		
Wisconsin, University of, Madison, Wis.	4		6
Wyoming, University of, Laramie, Wyo.	1		
Yale University, New Haven, Conn.	1		6
Yeshiva University, New York City, N.Y.			1

No. 7. Department of Commerce,  
Part II: NSF 60-58, \$0.20.

No. 6. National Science Foundation:  
NSF 60-56, \$0.10.

No. 5. Tennessee Valley Authority:  
NSF 60-44, \$0.05.

3. Current Research and Development in Scientific Documentation (Semiannual reports containing descriptive statements from individuals and organizations involved in this field):

No. 7, NSF 60-65, \$0.65.

No. 8, NSF 61-29, \$0.65.

4. List of Russian Scientific Journals Available in English: NSF 60-48.

5. Dues and Memberships in Scientific Societies: NSF 60-55.

#### SCIENCE ADMINISTRATION REPORTS

1. The Role of Nuclear Reactors in University Research Programs: NSF 60-39.

2. Science, the Endless Frontier (Reissued as part of the Tenth Anniversary Observance, National Science Foundation, 1950-1960): NSF 60-40.

3. Investing in Scientific Progress: NSF 61-27.