The bibliography was compiled in response to requests for background information about the critical incident technique; references were provided by those interested in the technique. Graduate students searching for guidance on the technique should find it useful, as should researchers. The critical incident technique is a method of research formulated by Dr. John C. Flanagan, who established the American Institutes for Research (AIR), an organization devoted to the application of scientific approaches to studies of human behaviors. The critical incident technique has been applied in helping to solve practical problems in industry, education, health, and community service. More than 600 studies in which applications of the technique were used are cited in this bibliography; projects undertaken by AIR are identified and project numbers given. A subject index reveals that the greatest number of references included in the bibliography deal with teachers and teaching, nurses and nursing, training, military officers, and management. (Author/AJ)
THE CRITICAL INCIDENT TECHNIQUE
A Bibliography

Compiled by Grace Fivars

American Institutes for Research
P. O. Box 1113, Palo Alto, California 94302

1973
THE CRITICAL INCIDENT TECHNIQUE

A Bibliography

Compiled by
Grace Fivars

1973

American Institutes for Research
P. O. Box 1113
Palo Alto, California 94302
TABLE OF CONTENTS

Notes on style and information  iii
Introduction iv
BIBLIOGRAPHY (arranged alphabetically) 1-22
Subject Index* 23
Author Index 30

* Entries are indexed under the following categories—
Parenthesized words indicate main category for some items.

Accidents
Administration (Management)
Administrators (School)
Aging
Agriculture
Aircrew (Proficiency/Performance)
Air Transport, Air Traffic Control (Proficiency/Performance)
APA/Amer. Psychological Association
Aptitude (Proficiency/Performance) and (Selection/Classification)
Attitude
Behavior (see also Prof./Perf.)
Checklists (Proficiency/Performance)
Communication
Community Service (Social Service)
Counseling
Counterinsurgency
Crime, criminals
Critical Incident Technique, Method
Critical Requirements (Prof./Perf.)
Curriculum Development
Dentistry
Distributive Education
Driving
Drugs
Education (Teaching, Nursing, Training)
Equipment Design, Job Design
Emergency Training (Training)
Emotion
Engineering
Ethics
Evaluation (see also Prof./Perf.) and (Selection/Classification)
Foremen
Graduate students (Prof./Perf.)
Groups, teams (see also Prof./Perf.)
Hospitals (Medicine, Nursing)
Human Engineering, Human Factors
Human Relations (Interpersonal Relations)
Human Resources
Incentives, Motivation
Individual Differences
Industrial Arts
Industrial Research
Instruction (Teaching, Training)
Interpersonal Relations, Human Relations
Interview Techniques
Isolation
Job Aids, Job Analysis, Task Analysis
Job Corps (Evaluation)
Leadership
Maintenance
Management (See also Prof./Perf.)
Mathematics
Medicine, Medex
Mental Health
Mental Retardation
Ministry, Religious Education
Negotiation
Nuclear Reactor Operators
Nursing
Objectives
Patient Care (Medicine, Nursing)
Peace Corps
Performance Records
Performance (Proficiency/Performance)
Physical Education
Pilots, aircraft, aircrew
Placement services
Police
Proficiency/Performance
Agricultural Agents
Aircrew, combat crew
AID jobs
Army combat crews
Business education
Change agents
Citizenship
Conference behavior
Counseling
Dentists
District supervisors
Foremen
Engineers
Groups, teams
Health professions
Industrial arts
Infantrymen
Insurance agents
Isolation
Machining personnel
Maintenance
Medicine and Health Care
Military officers
Nurses and nursing
Subject Index Categories (continued)

Proficiency/Performance (continued)
Operators (telephone)
Pilots
Principals (School)
Psychiatric aides, nurses, attendants;
psychopathology and psychotherapy
Psychologists
Research personnel
Sales
School Administrators and Board Members
Teachers, teaching
Technicians (oil)
Theatre, stage

Selection/Classification
Social Change
Social Workers
Stress
Teaching, teachers (Proficiency/Performance)
Training
Wage Board Supervision
NOTES ON STYLE AND INFORMATION

Citation Style: To the extent possible, citations are presented using format suggested in the Publications Manual of the American Psychological Association (1967 revision). In the interest of space, some shortcuts were introduced:

1. American Institutes for Research in most cases is abbreviated to AIR.
2. In citations of doctoral dissertations the word "unpublished" has been omitted. In instances where the dissertation is abstracted in Dissertation Abstracts, the specific reference for locating the abstract is given.
3. Where there are multiple references for the same author, a number appears in parentheses at the extreme right-hand side of the reference. These numbers are one and two digit numbers intended to indicate to the researcher the need to check all entries for that author.
4. In instances where the reference involves a project conducted by the American Institutes for Research (AIR), a project number appears in parentheses at the end of the citation. These are all numbers of three digits or more.

Index
To facilitate searching for references in a given area, an index has been compiled by subject area. This index appears at the end of the list of references and involves the name of the author whose citation applies to the subject listed.

Uses
This bibliography was compiled in response to the many requests for background information of the critical incident technique. Through the years contributions of references were provided by those interested in the technique. Graduate students searching for guidance on the technique should find the bibliography a useful tool. Researchers should also find it useful.

Continuity
Users of this Bibliography are encouraged to submit additional entries. Efforts will be made to maintain the list on a continuing basis.
Introduction

The critical incident technique is a method of research formulated by Dr. John C. Flanagan who, as Director of the Aviation Psychology Program during World War II, worked on identification of critical factors in human performance in a variety of military situations. Following the war, in 1946 Dr. Flanagan established the American Institutes for Research, an organization devoted to the application of scientific approaches to studies of human behavior. The critical incident technique is one of the methods AIR has applied in helping to solve practical problems in industry, education, health and community service.

In 1954, the definitive article describing the critical incident technique was published in The Psychological Bulletin.* Since then the method has been used in hundreds of studies, many of which are cited in this bibliography. Primary applications of the technique were reported in projects undertaken by the American Institutes for Research. These are identified throughout the bibliography by designations of "AIR" and appropriate project numbers following alphabetical listing of authors. The technique has also been used widely by graduate students in preparation of theses and dissertations in all parts of the world, as well as in other studies focusing on human performance.

References cited in this bibliography include more than 600 studies indexed in Psychological Abstracts, Dissertation Abstracts, ERIC Reports, and a variety of other resources. Recognizing the fact that many studies using the critical incident technique may not necessarily have been identified through these documents, AIR invites those who have used the method to participate in contributing additional items which should be included in a bibliography of this nature. Additions should be submitted in typewritten form including full citation in bibliographic style.

Copies of this bibliography may be purchased through:
Publications Services
American Institutes for Research
P. O. Box 1113
Palo Alto, Ca. 94302

$2.00 per copy.

A BIBLIOGRAPHY OF STUDIES USING THE CRITICAL INCIDENT TECHNIQUE

- A -


AIR. Manual for the use of the observational record form for research personnel. Pittsburgh: Author, 1949. PR-2 (120) (2)

AIR. Manual for the use of the performance record form for research personnel. Pittsburgh: Author, 1950. PR-10(m) (120) (3)


AIR. The Applicant Inventory. Pittsburgh: Author, 1954. (121) (14)


Items (18) through (24) represent Discussion Leader's Manuals for a Peace Corps Training Program developed by AIR (522) (18)


Bentz, R. P. Critical mathematical requirements for the program of the community college. Doctoral diss., George Peabody College, 1952.


Bice, H. Critical requirements for principalship as observed and reported by the school board members in Georgia. Doctoral diss., Univer. of Georgia, 1955.


Blair, J. R. Classroom effectiveness of teachers as perceived by high school students. Doctoral diss., Univer. of Mississippi, 1962.


Buffington, R. L.—The job of the elementary school principal as viewed by parents. Doctoral diss., 1954, Stanford Univ.

Burns, H. W. Success criteria and the critical incident technique. Phi Delta Kappan, 1956, 38, 73-75.


Chellman, J. An evaluation of the two year required program of physical education for men at Emory University, Georgia. Doctoral diss., George Peabody College, 1956.


Cooper, B. Critical requirements for the principalship based on critical incidents of instructor, supervisor, and visiting teacher. Doctoral diss., Univer. of Georgia, 1955. (1)

Cooper, B. Analysis of the quality of the behavior of principals as observed and reported in six critical incident technique studies. Journal of Educational Research, 1963, 56, 410-414. (2)


Diederich, P. B. Critical incident technique applied to medicine. Developments, (ETS), 1952, 1, 2. (1)


Dysinger, D. W., & Rosenfeld, M. Evaluation of Project SEED: A conceptually-oriented mathematics program for elementary school students. AIR: 1972. (30500) (2)


Eilbert, L. R. A study of emotional immaturity utilizing the critical incident technique. *University of Pittsburgh Bulletin*, 1955, 40, 199-204. (1)

Eilbert, L. R. A tentative definition of emotional immaturity utilizing the critical incident technique. *Personnel & Guidance Journal*, 1957, 35, 554-64. (2)


Eilbert, L. R., & Glaser, R. Differences between well and poorly adjusted groups in an isolated environment. *Journal of Applied Psychology*, 1959, 43, 271-274. (5)


FLANAGAN, J. C. - 53 items

Flanagan, J. C. Research techniques for developing educational objectives. The Educational Record, 1947, 139-148. (1)


Flanagan, J. C. Defining the requirements of the executive's job. Personnel, 1951, 20, 28-35. (13)


*Basic concept of the critical incident technique presented by John C. Flanagan.


Goldfarb, A. Use of the critical incident technique to establish areas of change accompanying psychotherapy. II. Relationship to diagnostic group. M. Thesis, Univ. of Pittsburgh, 1952.


Gorham, W.A. Staff nursing behaviors contributing to patient care and improvement. Nursing Research, 1962, 11, 68-79. (1)


Greenberg, M.S. Patient reported disturbances in the hospital treatment of cancer patients as elicited by the critical incident technique. N. thesis, University of Houston, 1961. (10)


Harris, K.J. Critical requirements for the principalship in Georgia as observed by superintendents of schools. Doctoral diss., Univer. of Georgia, 1965.

Hayward, M.L. Correlates of approval and disapproval recorded by students at selected schools of nursing. Doctoral diss., Univ. of Pittsburgh, 1969.


Hopkins, G.W. The critical requirements for services of state departments of education as reported by local school administrators. University of Kentucky, 1956. Diss. Abstr. 21/09/2554, 61-300.


Janis, I. L. Personality correlates of susceptibility to persuasion. Journal of Personality, 1954, 22, 504-518. (1)


Jensen, A. C. Determining critical requirements for nurses. Nursing Research, 1960, 9, 8-11. (2)


Keye, R. E. Determination of behavior requirements of administrators for competency in the overall job of school administration. Doctoral diss., Univer. of Mississippi, 1960. (Including checklists.)


Krumm, R. L. *Development of a measure of pilot instructor proficiency based on the critical requirements of the pilot's job.* Pittsburgh: AIR, 1953, (142). (1)


Loidolt, H. *Joy and anger in industry.* Graz, Austria, 1955.


Marley, F. W. Individual differences in critical aircrew elements. I. The determination of critical proficiency requirements for B-29 combat crews. Randolph AFB, Texas: School of Aviation Medicine, 1952. Proj. 21-29-014. (AIR/124)


Miller, G. S. Development of B-36 bombardment objective flight checks and proficiency measures for use with reconnaissance crews. Pittsburgh: AIR, 1953, (156).

Miller, M. L. Critical requirements for the socioeconomically disadvantaged employed in retail jobs in Columbus, Ohio. Doctoral diss., Ohio State Univer., 1969.


Nihira, K. A study of environmental demands as an aid to construct a behavior rating scale. Wichita, Kansas: Parsons State Hospital and Training Center, 1962. (NIMH Gr. 5-Kil, MH 01862.)


Phillips, H. E. Crucial requirements of the principalship in Georgia as observed by public school teachers. Doctoral diss., University of Georgia, 1954.


Safren, M., & Chapanis, A. A critical study of hospital medication errors. Hospitals, 1960, 34, 32+ and 34, 53+. (May Issue)


Schwartz, P. A. Notes on situational testing based on development of the Combat Readiness Check. Pittsburgh: AIR, 1953, (157). (Classified.)


Shriver, B. M. Age and behavior. A study of the effects of aging on aircrew performance. Randolph AFB, Texas: School of Aviation Medicine, 1953. Proj. 21-0202-0005, No. 3. (AIR/137)


Sommermeyer, L. Applying the critical incident technique to the problem of evaluating the performance of student nurses in nursing situations. M. thesis, Boston University School of Nursing, 1954.


Tyson, R.K. The critical requirements for the principalship in Georgia as observed by college professors. Doctoral diss., University of Georgia, 1954.


Wagner, R.F. A group situation compared with individual interviews for securing personnel information. Personnel Psychology, 1948, 2, 93-107.


Wagner, R.F. Development of standardized procedures for defining the requirements of aircrew jobs in terms of testable traits. Randolph Field, Texas: School of Aviation Medicine, 1951, Project 21-29-010, No. 1. (AIR/111)


Whitmyre, J.W. Criteria used to select patients for insulin shock and/or electric shock therapy; and, critical incidents or behaviors used to decide not to assign a given patient to one of the shock therapies. Doctoral diss., University of Pittsburgh, 1952.


Williams, M.J. Comparison of the cruise and academy performances of notably adaptable and unadaptable USCGA cadets. New London, Conn: U.S. Coast Guard Academy, 1953. (Unpublished study)


SUBJECT INDEX

Items in parentheses indicate numbered entries on a particular page.

ACCIDENTS
AIR, (8, 11, 25) 1, 2
Fitts, P. M. 7
Guilford, J. S. 11
Hahn, C. P. (5) 12
Katz, M. S. 13
Krumm, R. L. 14
McFarland, R. 15
Smith, R. W. 20
Tarrant, W. E. 20
Vasiliu, J. N. 21
Zander, A. F. 22

ATTITUDE
AIR (2, 13, 18-24) 1, 2
Berlo, D. K. 3
Brown, D. 3
Flanders, N. A. 9
Humphrey, R. L. 12
Kiel, N. 13
Kiell, N. L. 14
Landy, F. J. 14
Leles, S. 14
Loidolt, H. 14
Mazaheri, H. 15
Namazi, M. 16
Norris, E. L. 17
Peterson, R. O. 17
Robbins, M. H. 18
Suttell, B. J. 20
Zander, A. F. 22

COMMUNITY SERVICE
(see Social Service)

COUNSELING
Dougan, C. G. 5
Horsman, V. G. 12
Jacques, M. 13
King, W. B. 13
Lounsbury, C. C. 14
Truax, W. E. 21

COUNTERINSURGENCY
Blakelock, E. H. 3
Rudov, M. H. 18

CRIME, CRIMINALS
Empey, L. T. 6
Engeler, W. 6
Mandel, N. G. 14

CRITICAL INCIDENT TECHNIQUE
(METHOD)
Burns, H. W. 3
Ellison, J. D. 6
Flvars, G. 7
Fianagan, J. C. 7, 8, 9
Limbosch, N. 14
Mascaro, G. F. 14
Mayeske, G. W. 14

CRITICAL REQUIREMENTS
(see Proficiency/Perf.)

CURRICULUM DEVELOPMENT
Cameron, H. P. 4
Dean, B. J. 5
Dickie, H. S. 5
Glickman, A. J. (11, 12) 10
Hahn, C. P. (4) 11

DENTISTRY
O'Donnel, R. J. 17
Wagner, R. F. 21

ADMINISTRATION
(see Management)

ADMINISTRATORS (SCHOOL)
(see School Administration)

AGING
AIR (9) 1
Miles, W. R. 16
Shriver, B. M. 19

AGRICULTURE
Kohl, F. E. & Carter 14
Williams, S. K. 22

AIRCREW PERFORMANCE
(see Proficiency/Performance)

AIR TRANSPORT, AIR TRAFFIC CONTROL
(see Proficiency/Performance)

APA (AMERICAN PSYCHOLOGICAL ASSOCIATION)
APA 2
Hobbs, N. 12

APTITUDE
(see Proficiency/Performance Action/Classification)
DISTRIBUTIVE EDUCATION

Samson, H. E.  19

DRIVING

Heimstra, N. M.  12
Katz, M. S.  13

DRUGS

Katz, M. S.  13

EDUCATION

(see Teaching, Nursing, Training)

Bucks Co. Public Schools  3
Wright, D. L., & Fitzpatrick, R.  22

EQUIPMENT DESIGN, JOB DESIGN

Folley, J. D.  9
Glaser, R.  10
Krumm, R. L.  14
Miller, R. B.  16
Peterson, R. O.  17

EMERGENCY TRAINING

(see Training)

EMOTION

Eilbert, L. R. (1, 2)  6
Feierstein, B.  6
Kiell, N.  13

ENGINEERING

Fitzpatrick, R.  7
Glickman, A. S.  10
Line, J. D.  14

ETHICS

APA  2
Crawford, M. M.  5
Hobbs, N.  12

EVALUATION

(see also Proficiency/Perf. and Selection/Classification)

AIR (1-17, 26-28)  1, 2

Altman, J. W.  2
Angell, D.  2
Armstrong, R. J.  2
Chellman, J.  4
Cox, R. C.  4
Fattu, N. A.  6
Fivars, G. & Gosnell, D.  7
Flanagan, J. C.  9
Glickman, A. S.  10
Gloege, W.  10
Gordon, T.  11
Horner, W. R.  12
Horsman, V. G.  12
Jung, S. M.  13
Kilpatrick, G.  13
Kohl, F. E.  14
Lucas, M. A.  14
Maraffie, B. N.  14
Mayhew, L. B.  14
Preston, H. O.  17
Rosen, S.  18
Suttell, B. J.  20
Wallace, J. S.  21
Zander, A. F.  22

HOSPITALS

(see Medicine, Nursing)

HUMAN ENGINEERING, HUMAN FACTORS

Chapanis, A.  4
Folley, J. D.  9
Krumm, R. L.  14
Miller, R. B.  16
Rudov, M. H.  18

HUMAN RELATIONS

(see Interpersonal Relations)

HUMAN RESOURCES

Flanagan, J. C. (6, 30, 36)  7, 8

IMPAIRMENT OF BEHAVIOR

(see Stress)

INCENTIVES, MOTIVATION

Dysinger, D. W.  5
Herzberg, F.  12
Iverson, M.  12
Janis, I. L.  13
Landy, F. J.  14
Learner, L.  14
Loidolt, H.  14
Preston, H. O.  17, 18

INDIVIDUAL DIFFERENCES

(see also Proficiency/Perf.)

Flanagan, J. C. (19)  8
Hahn, C. P. (2)  11
Marley, F. W.  14

INDUSTRIAL ARTS

McRobbie, J. M.  15

INDUSTRIAL RESEARCH

Flanagan, J. C. (11)  7

INSTRUCTION

(see Teaching, Training)

Dickel, H. S.  5
Gropper, G. L. (3)  11
NURSING (continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gorham, W. A.</td>
<td>11</td>
</tr>
<tr>
<td>Greenberg, M. S.</td>
<td>11</td>
</tr>
<tr>
<td>Hardin, C. L.</td>
<td>12</td>
</tr>
<tr>
<td>Hayward, M. L.</td>
<td>12</td>
</tr>
<tr>
<td>Heidgerken, L.</td>
<td>12</td>
</tr>
<tr>
<td>Horn, C. L.</td>
<td>12</td>
</tr>
<tr>
<td>Jacobs, A. M.</td>
<td>13</td>
</tr>
<tr>
<td>Klaus, D. J. (2)</td>
<td>14</td>
</tr>
<tr>
<td>Lewis, G. K.</td>
<td>15</td>
</tr>
<tr>
<td>McDonald, D. J.</td>
<td>15</td>
</tr>
<tr>
<td>Massoth, M. C.</td>
<td>15</td>
</tr>
<tr>
<td>Pumroy, S. S. &amp; Suttell</td>
<td>18</td>
</tr>
<tr>
<td>Rosen, A.</td>
<td>18</td>
</tr>
<tr>
<td>Safren, M. &amp; Chapinis, A.</td>
<td>19</td>
</tr>
<tr>
<td>Teig, J. G.</td>
<td>21</td>
</tr>
</tbody>
</table>

OBJECTIVES

Armstrong, R. J.        | 2     |
Bucks County Schools   | 3     |
Campbell, V. N.        | 4     |
Flanagan, J. C. (1)   | 7     |
Short, J. G.           | 19    |
Zucker, A.             | 22    |

OFFICERS

(see Proficiency/Perf.)

PATIENT CARE

(see Medicine, Nursing, Mental health, Psychotherapy, etc.)

PEACE CORPS

AIR (18-24)          | 1, 2   |
Comstock, G. & Maccoby | 4     |
Lichtenstein, S.       | 14    |
Spector, F.            | 20    |

PHYSICAL EDUCATION

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garndorff, E.</td>
<td>2</td>
</tr>
<tr>
<td>Barclay, R. E.</td>
<td>2</td>
</tr>
<tr>
<td>Blank, I. B.</td>
<td>3</td>
</tr>
<tr>
<td>Chellman, J.</td>
<td>4</td>
</tr>
<tr>
<td>Crawford, M.</td>
<td>4</td>
</tr>
<tr>
<td>Crawford, M. M.</td>
<td>5</td>
</tr>
<tr>
<td>Goris, R. A.</td>
<td>11</td>
</tr>
<tr>
<td>Lucas, M. A.</td>
<td>14</td>
</tr>
<tr>
<td>Namazi, M. Z.</td>
<td>10</td>
</tr>
</tbody>
</table>

PILOT (AIRCRAFT)

(see also Proficiency/Perf.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR (B, 9, 16)</td>
<td>1</td>
</tr>
<tr>
<td>Erickson, S. C.</td>
<td>6</td>
</tr>
<tr>
<td>Flanagan, J. C. (2, 6, 9, 17)</td>
<td>7, 8</td>
</tr>
<tr>
<td>Gordon, T.</td>
<td>11</td>
</tr>
<tr>
<td>Herzberg, F.</td>
<td>12</td>
</tr>
<tr>
<td>Horner, W. R.</td>
<td>12</td>
</tr>
<tr>
<td>Iverson, M. A.</td>
<td>12</td>
</tr>
<tr>
<td>Krumm, R. L.</td>
<td>14</td>
</tr>
<tr>
<td>Miles, W. R.</td>
<td>16</td>
</tr>
<tr>
<td>Nagay, J. A.</td>
<td>16</td>
</tr>
<tr>
<td>Preston, H. O.</td>
<td>17, 18</td>
</tr>
<tr>
<td>Ronan, W. W.</td>
<td>18</td>
</tr>
<tr>
<td>Wagner, R. F.</td>
<td>21</td>
</tr>
</tbody>
</table>

PLACEMENT SERVICES

Christian, L. M. | 4     |
Dunnette, M. D. | 5     |
Smith, J. E.     | 20    |

POLICE

Eilbert, L. R. | 6     |

PRINCIPALS

(see Proficiency/Perf., School Administration)

Benjamin, D.     | 3     |
Bice, H.         | 3     |
Bradford, R. D.  | 3     |
Clark, C. P.     | 4     |
Clarke, E.       | 4     |
Cooper, B.       | 4     |
Elliot, F. S.    | 6     |
Harris, K. J.    | 12    |
Holder, E.       | 12    |
Medsker, L. L.   | 15    |
Phillips, H. E.  | 17    |
Robins, G. B.    | 18    |
Sternloff, R. E. | 20    |
Symanski, G. G.  | 20    |

PROFICIENCY/PERFORMANCE, CRITICAL REQUIREMENTS, CRITICAL BEHAVIORS

Agricultural Agents
Kohl, F. E. | 14    |
Peabody, F. J.| 17    |

Aircrew, Combat Crew
AIR (1, 5, 8, 9) | 1    |
Craigh, R. C. | 4     |
Cullen, J. W. | 5     |
Eilbert, L. R. | 6     |
Flanagan, J. C. (2, 6, 9) | 7  |
Gaylord, R. H.| 9     |
Gordon, T.    | 11    |
Hahn, C. P. (1, 2, 4) | 11   |
Kirkpatrick, J. J.| 13  |
Krumm, R. L.  | 14    |
Marley, F. W. | 15    |
Miles, W. R.  | 16    |
Miller, G. S. | 16    |
Preston, H. O.| 17, 18|
Reveal, R.    | 18    |
Ronan, W. W.  | 18    |
Ruch, F. L.   | 18    |
Smith, R. G.  | 20    |
Van Cott, H. P.| 21    |
Wagner, R. F. | 21, 22|
Wirstad, J.   | 22    |

AID Jobs
Spector, P. | 20    |

Army Combat Crews
Eccles, A. G. | 5     |
Fukawa, K. H.| 7     |
Lange, C. F. | 14    |
Smith, R. G. | 20    |
Weislogel, R. L.| 21, 22|
Wirstad, J. | 22    |

Business Education
Farrar, E. A.| 6     |
Nevins, C.   | 17    |

Change Agents
Mazaheri, H. | 15    |
Citizenship
Sica, M. G. | 19    |

Combat Crews
(see Aircrew and Army)

Conference Behavior
Gropper, G. L. (1) | 11    |

Counseling
(see also Social Work)
Dougan, C. G. | 5     |
Horsman, V. G.| 12    |
Jaques, M.    | 13    |
King, W. B.   | 13    |
Lounsbury, C. C.| 14   |
Truax, W. E. | 21    |
<table>
<thead>
<tr>
<th>Field</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentists</td>
<td>O'Donnell, R. J.</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Wagner, R. F.</td>
<td>21</td>
</tr>
<tr>
<td>District Supervisor (AT &amp; T)</td>
<td>Schwartz, P. A.</td>
<td>19</td>
</tr>
<tr>
<td>Foremen</td>
<td>Finkle, R. B.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Kay, B. R.</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Kay, E.</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Line, J. D.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Tacey, W. S.</td>
<td>20</td>
</tr>
<tr>
<td>Engineers</td>
<td>Fitzpatrick, R.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Glickman, A. S.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Line, J. D.</td>
<td>14</td>
</tr>
<tr>
<td>Groups, Teams</td>
<td>(see Aircrew, Combat Crew,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Teaching, Nursing, Groups)</td>
<td></td>
</tr>
<tr>
<td>Health Professionals</td>
<td>(see Medicine, Nursing, Social</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Work, Mental Health, Mental</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Retardation</td>
<td></td>
</tr>
<tr>
<td>Industrial Arts</td>
<td>McRobbie, J. M.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Margarones, J. J.</td>
<td>15</td>
</tr>
<tr>
<td>Infantrymen</td>
<td>(see Combat Crew, Army)</td>
<td></td>
</tr>
<tr>
<td>Insurance Agents</td>
<td>Weislogel, R. L. (1)</td>
<td>21</td>
</tr>
<tr>
<td>Isolation (Performance in)</td>
<td>Ellbirt, L. R.</td>
<td>6</td>
</tr>
<tr>
<td>Machining Personnel</td>
<td>Bostock, D. J.</td>
<td>3</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Folley, J. D.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Miller, R. B.</td>
<td>16</td>
</tr>
<tr>
<td>Medicine and Health Care</td>
<td>AIR (26-28)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Blum, J. M. &amp;</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Fitzpatrick, R.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Diederich, P. B.</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Fitzpatrick R.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Goodison, M. W.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Greenberg, M. S.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Herzberg, F. I.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Safren, M. &amp; Chapais, A.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Sanazarro, P. J. &amp; Williamson</td>
<td>19</td>
</tr>
<tr>
<td>Military Officers</td>
<td>(see also Leadership)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AIR (1)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Eccles, A. G.</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Erickson, S. C.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Fitzpatrick, R.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Flanagan, J. C. (6, 14, 17,</td>
<td>7-9</td>
</tr>
<tr>
<td></td>
<td>32, 40, 52, 53)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Furokawa, K. H.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Glanzer, M.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Glaser, R.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Glickman, A. S.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Gordon, T.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Hahn, C. P.</td>
<td>11, 12</td>
</tr>
<tr>
<td></td>
<td>Humphrey, R. L.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Iverson, M. A.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Kirkpatrick, J. J.</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Krumm, R. L.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Lange, C. J.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Marley, F. W.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Matthews, J.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Miles, W. R.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Miller, N. E.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Nagay, J.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Preston, H. O.</td>
<td>17, 18</td>
</tr>
<tr>
<td></td>
<td>Reveal, R.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Ruch, F. L.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Schwarz, P. A.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Sivy, J. &amp; Lange, C. J.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Smith, R. G.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Spector, P.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Suttell, B. J.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Taylor, M. V.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Vallance, T. R.</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Wagner, R. F.</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Weislogel, R. L.</td>
<td>21, 22</td>
</tr>
<tr>
<td></td>
<td>Wirstad, J.</td>
<td>22</td>
</tr>
<tr>
<td>Nurses and Nursing</td>
<td>(see Also Psychiatric Nursing)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Abdallah, F.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Bailey, J. T.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Barham, V. Z.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Caputo, D. V.</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Carter, F. M.</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Fatka, N.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Fivars, G. &amp; Gosnell, D.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Fivars, et al.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Flanagan, J. C. (45, 46)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Gaudet, M. C.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Glaser, W. A.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Gorham, W. A.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Greenberg, M. S.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Hardin, C. A.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Hayward, M. L.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Heidgerken, L.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Horn, C. L.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Jacobs, A. M.</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Klaus, D. J.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Larsen, J. K.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Lewis, G. K.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>McDonald, D. J.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Massoth, M. C.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Pumroy, S. S. &amp;</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Suttell, B. J.</td>
<td>18</td>
</tr>
<tr>
<td>Operators (Telephone)</td>
<td>Peterson, R. O.</td>
<td>17</td>
</tr>
<tr>
<td>Pilots</td>
<td>AIR (1, 8)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Erickson, S. C.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Fitts, P. M.</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Flanagan, J. C. (2, 6, 9, 17)</td>
<td>7, 8</td>
</tr>
<tr>
<td></td>
<td>Gordon, T.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Herzberg, F. I.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Horner, W. R.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Iverson, M. A.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Krumm, R. L.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Miles, W. R.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Miller, N. E.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Nagay, J.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Preston, H. O.</td>
<td>17, 18</td>
</tr>
<tr>
<td></td>
<td>Reveal, R.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Ruch, F. L.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Schwarz, P. A.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Sivy, J. &amp; Lange, C. J.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Smith, R. G.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Spector, P.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Suttell, B. J.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Taylor, M. V.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Vallance, T. R.</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Wagner, R. F.</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Weislogel, R. L.</td>
<td>21, 22</td>
</tr>
<tr>
<td></td>
<td>Wirstad, J.</td>
<td>22</td>
</tr>
</tbody>
</table>

| Psychiatric Aides, Nurses, Attendants; also Psychopathology, Psychotherapy |
| Bergin, A. E.                  | 3    |
| Carter, F. M.                 | 4    |
| Farr, N. J.                   | 6    |
| Fatka, N.                     | 6    |
| Flanagan, J. C. & Schmid      | 9    |
| Fleming, J. W.                | 9    |
| Goldfarb, A.                  | 10   |
| Goodrich, D. W.               | 10   |
| Green, S. H.                  | 11   |
| Harrington, R. J.             | 12   |
| Horne, C. L.                  | 12   |
| Jacobs, A. M.                 | 13   |
| Larsen, J. K.                 | 14   |
| Lewis, G. K.                  | 14   |
| Mellett, T. P.                | 15   |
| Mihira, K.                    | 17   |
| Pascal, G. R.                 | 17   |
| Pischkin, V.                  | 17   |
| Roberts, A. O. H.             | 18   |
PROFICIENCY/PERFORMANCE (continued)

Psychiatric Aides, etc. (cont.)
Schmid, F. W. 19
Schmidt, D. F. 19
Speath, E. W. 20
Steiner, K. E. 20
Whitmyre, J. W. 22

Psychologists (Performance, Ethics)
APA 2
Asch, S. E. 2
Hobbis, N. 12
Roberts, D. R. 18
Smit, J. A. 20

Research Personnel
AIR (2, 3, 4) 1
Altman, J. W. 2
Fitzpatrick, R. 7
Flanagan, J. C. (11, 28, 29) 18
Hardin, C. 12
Shaycoft, M. F. 19

Sales
Alter, P. A. 2
Anderson, B. E. 2
Bridgeman, C. S. 3
Emons, V. 6
Felker, D. B. 6
Fitzpatrick, R. 7
Folley, D. J. 9
Klaus, D. J. 14
Miller, M. L. 16
Nevins, C. 17
Nillson, S. G. 17
Samson, H. E. 19
Short, J. G. 19

School Administrators, Board Members
(see also Principals)
Barnhart, R. E. 3
Barnes, T. I. 3
Benjamin, D. 3
Bice, H. 3
Hopkins, G. W. 12
Kenney, C. F. 13
Kessell, R. M. 13
Keye, R. E. 13
Kirk, G. V. 13
McCoy, R. A. 14
McDavid, F. C. 15
Phillips, H. E. 17
Robins, G. B. 18
Rooney, T. G. 18
Schaeffer, F. R. 19
Schumacher, A. J. 19

Teachers, Teaching
AIR (18-24) 1, 2
Aldmon, H. F. (Dept. Hds.) 2
Arnsdorff, E. (Phys. Ed.) 2
Barclay, R. E. 2
Barham, V. Z. (Nursing) 2
Blair, J. R. (High School) 3
Blank, L. B. (Phys. Ed.) 3
Bosley, H. E. 3
Botwin, D. E. (Classroom Behavior) 3
Brown, B. B. (Classroom Beh.) 3
Brown, D. (Stu. Beh.) 3
Bucks Co. Schools (Educ. Goals) 3
Buffington, R. L. (Bus. Ed.) 3
Campbell, V. N. (Educ. Problems) 4
Cannon, D. T. (Jr. High Sch.) 4
Corbally, J. E. (Educ. Res.) 4
Corsini, R. J. 4
Crawford, M. (Phys. Ed.) 4
Cruickshank, D. R. (Disadv.) 5
Dean, B. J. (Curric. Dir.) 5
Deischer, H. H. (Coop. Teachers) 5
Diederich, P. B. (Med. Educ.) 5
Dirka, M. (Home Econ.) 5
Domas, S. J. (Competence) 5
Ehrhardt, H. B. (Gifted) 5
Farbstein, M. (Coop. Teachers) 6
Fattu, N. A. (Eval.) 6
Findley, E. W. (Ext. Ed.) 7
Flanagan, J. C. (27, 50) 8, 9
Flanders, N. A. 9
Goldfarb, A. (Psychiatric Worker) 10
Goldin, M. 10
Green, S. H. (Psychiatric Worker) 11
Groppcr, G. L. (Classroom Behavior) 11
Hamrick, M. C. 12
Hardin, C. A. (Nursing) 12
Harlacher, E. L. (Jr. Col.) 12
Hedlund, P. A. (Sec. Sch.) 12
Herzberg, F. (Med. Faculty) 12
Jensen, A. C. 13
Kiell, N. (Prejudice) 13
Kilpatrick, G. (Eval.) 13
Konigsburg, D. (Eval.) 14
Leles, S. (Professionalism) 14
Lichtenstein, S. (Peace Corps) 14
McDavid, F. C. (Dept. Chrm.) 15
McDonald, D. J. (Nursing) 15
McRobbie, J. M. (Ind. Art) 15
Madison, B. (Soc. Welfare Education) 15
Manbeck, M. W. 15
Margarones, J. J. (Ind. Study) 15
Mayhew, L. B. (Eval.) 15
Medley, D. H. (Classroom Behavior) 15
Medsker, L. L. 15
Merritt, E. F. 16
Morrison, S. G. (Methods Courses) 16
Musgrave, G. R. (Elem.) 16
Namazi, M. Z. (Elem.) 16
Nelson, K. G. (Eval.) 17
Nicklas, M. S. 17
Norris, E. L. 17
Perry, I. L. 17
Perry, W. S. (Bus. Educ.) 17
Peterson, R. D. (Elem.) 17
Pisaro, S. E. 17
Richards, J. T. (Jr. Col.) 18
Riss, P. (Lutheran Seminary) 18
Ryan, D. G. 18, 19
Samson, H. E. (Distr. Educ.) 19
Schumacher, A. J. (Assignment) 19
Scruggs, M. M. (Home Econ.) 19
Smit, J. A. (Psychology) 20
Smith, R. G. 20
Spector, P. (3) 20
Steiner, K. E. 20
Stewart, L. H. 20
Weston, J. L. (Typing) 22
Wise, F. F. (Church) 22
Zucker, A. (English) 22

Technicians (Oil)
Altman, J. W. 2

Theatre, Stage
Melnick, W. 15

SELECTION/CLASSIFICATION
(see also Proficiency/Perf.)
AIR (4, 7, 10, 16) 1
Dunnette, M. D. 5
Eccles, A. G. 5
Elbert, L. R. (3, 6, 7) 6
Flanagan, J. C. (6, 11, 14, 21, 31, 38) 7, 8
Glaser, R. 10
Glickman, A. S. 10
Gordon, T. 11
Goroff, N. N. 11
Mandell, M. M. 15
Roth, L. H. 18
Schmid, D. P. 19
Smith, J. E. 20
Spector, P. 20
Suttell, B. J. 20

SOCIAL CHANGE

Mazaheri, H. 15

SOCIAL WORKERS

Ajaye, M. 2
Asche, S. E. 2
Barnes, T. I. 2
Flanagan, J. C. (33) 8
Green, S. H. 11
SOCIAL WORKERS (continued)

McGuire, R. A. 15
Madison, B. 15
Tayagi, C. H. 20

STRESS

Eilbert, L. R. 6
Goodenough, D. R. 10
Gropper, G. L. 11
Katz, M. S. 13
Loidolt, H. 14
Melnick, W. 15
Pascal, G. R. 17

TEACHING/TEACHERS

(see Proficiency/Performance)

THEATRE

(see Proficiency/Performance)

TRAINING

Anderson, S. D. (Shop Mgrs.) 2
Angell, D. (Eval.) 2
Devine, D. W. (Tng. Dir.) 5
Eccles, A. G. (Officers) 5
Eilbert, L. W. (3) (Police) 6
Felker, D. B. (Sales) 6
Flanagan, J. C. (11, 32) 7, 8
Fleming, J. W. (Ment. Ret. Care) 9
Glanzer, M. (Teams) 9
Hahn, C. F. (3) (Aircrew, Navy) 11
Haines, D. B. (Cultural Cont.) 12
Horner, W. R. (Pilot Instr.) 12
Klaus, D. J. (Sales) 14
Lichtenstein, S. (Peace Corps) 14
Line, J. D. (Foremen) 14
McGehee, W. (Bus. and Ind.) 15
Miller, N. E. (Pilots) 16
Miller, R. B. (1-9) 16
Peterson, R. O. (Ment. Ret.) 17
Ronan, W. W. (Aircrew) 18
Schwarz, P. A. (1-3) 19
Shettel, H. H. (Occ. Hlth.) 19
Suttell, B. J. (Navy Officers) 20

WAGE BOARD SUPERVISION

Glaser, R., et al. (2, 3) 10
Wager, G. E. 21
NOTE:
In cases where the author is one of two or more writing as coauthors, his name appears alphabetically in this index followed by the name of the senior author.

Abbott, W. P. 1  
Abdellah, F. G. 1  
Abraham, C. E./Rosen 18  
Adams, W. R./Herzberg 12  
AIR (items 1 - 2B) 1, 2  
Ajaie, M. 2  
Aldman, H. F. 2  
Allen, C. D. 2  
Alter, P. A. 2  
Altman, J. W. 2  
Altman, J. W./Flanagan 19  
Am. Psychological Assoc. 2  
Anderson, B. E. 2  
Anderson, B. E./Nillson 17  
Anderson, S. D. 2  
Andrews, C. G./Peterson 17  
Angell, D. 2  
Anzel, A. S./Caputo 4  
Armstrong, R. J. 2  
Arnoldoff, D. 2  
Arvey, R. D./Campbell, J. 4  
Asch, S. E. 2  
Auerbach, Inc. 2  
Baker, M. R./Weisman 22  
Baker, R. E. 2  
Barham, V. Z. 2  
Barnes, T. I. 2  
Barnhart, R. E. 3  
Barron, A. J./Mandel 14  
Baxter, B. R./Glickman 10  
Beaver, R./Brown 3  
Benjamin, D. 3  
Bentz, R. P. 3  
Bergin, A. E. 3  
Berkun, M./VanCott 21  
Berliner, D. C./Angell 2  
Berlo, D. K. 3  
Bice, H. 3  
Bicknell, J. E./Nelson 17  
Bijou, S. W. 3  
Blair, J. R. 3  
Bliakelock, E. H. 3  
Blank, L. E. 3  
Blum, J. M. 3  
Boomer, D. S./Goodrich 10  
Bosley, H. E. 3  
Botwin, D. E. 3  
Bradford, R. D. 3  
Bridgeman, C. S. 3  
Brown, B. B. 3  
Brown, D. 3  
Bryson, S./Peterson 17  
Burns, H. W. 3  
Burns, R. K./Flanagan (3 items) 9  
Cameron, E. P. 4  
Campbell, J. P. 4  
Campbell, V. N. 4  
Cannon, D. T. 4  
Caputo, D. V. 4  
Carter, F. M. 4  
Carter, G. L./Kohl 14  
Chapanis, A. 4  
Chapanis, A./Safren 19  
Challman, J. 4  
Christian, L. M. 4  
Clark, C. P. 4  
Clark, J. B. 4  
Clark, J. B./Lichtenstein 14  
Clarke, S. 4  
Cochran, I. L./Steiner 20  
Cohen, D./Schmidt 20  
Collins, M. G. 4  
Constock, G. 4  
Cooper, B. 4  
Corbally, J. E., Jr. 4  
Corsi, R. J. 4  
Cox, R. C. 4  
Craig, R. C. 4  
Crawford, M. 4  
Crawford, M. M. 4  
Crucikshank, D. R. 5  
Cullen, J. S. 5  
Curtis, H. A./Sica 19  
Daly, J. C./Carter 4  
Dean, B. J. 5  
Deischer, H. H. 5  
Dennis, W. 5  
Deterline, W. A./Katz 13  
Devine, D. W. 5  
Dickie, H. S. 5  
Diederich, F. B. 5  
Dirks, M. 5  
Domas, S. J. 5  
Domino, G. 5  
Dougan, C. G. 5  
Dredge, T. E./Pishkin 17  
Driscoll, F./Bridgeman 3  
DuBois, P. H./Vasillas 21  
Dunnette, M. D. 5  
Dyan, J. A. 5  
Dysinger, D. W. 5  
Dysinger, D. W./Fitzpatrick 7  
Ebel, R. L. 5  
Eccles, A. G. 5  
Edwards, D. S./Hahn 12  
Ehrhardt, H. B. 5  
Eilbert, L. R. 6  
Eisenberg, T. 6  
Eisenberg, T./Fitzpatrick 7  
Elliot, F. S. 6  
Ellis, D. S./Peterson 17  
Ellison, D. 6  
Emens, V. 6  
Empey, L. T. 6  
Engel, W. 6  
Erickson, S. C. 6  
Evans, F. M. C. 6  
Fanning/Bridgeman 3  
Farberstein, M. 6  
Farr, J. N. 6  
Farrar, E. Z. 6  
Fatka, N. 6  
Fattu, N. A. 6  
Felderstein, B. 6  
Felker, D. B. 6  
Findley, E. W. 7  
Finkle, R. B. 7  
Fitts, P. M. 7  
Fitzpatrick, R. 7  
Fitzpatrick/Blum 3  
Fitzpatrick/Cullen 4  
Fitzpatrick/Elbert 6
- M -
Mandbeck, M. W. 15
Mandel, N. C. 15
Mandel, M. M. 15
Maraffie, B. N. 15
Marchese, A. C./Flanagan 9
Marchese, A. C./Gorham 11
Margarones, J. J. 15
Markle, D. G./Campbell, V. 4
Marley, F. W. 15
Mascaro, G. F. 15
Massoth, M. C. 15
Matthews, J. 15
Mausner, B./Herzberg 12
Mayeske, G. W. 15
Mayhew, L. B. 15
Mazaheri, H. 15
Medley, D. H. 15
Medsker, L. L. 15
Mellett, T. P. 15
Melnick, W. 15
Mendenhall, W./Brown 3
Merritt, E. P. 16
Miles, W. R. 16
Miller, G. S. 16
Miller, M. L. 16
Miller, R. N. 16
Miller, R. B. 16
Miller, R. B./Craig 4
Miller, R. B./Flanagan 9
Miller, R. B./Folley 9
Mitzel, H. E./Medley 15
Morgan, R. H. 16
Morrison, S. G. 16
Mosley, A. L./McFarland 15
Murphy, G. L./Krumm 14
Musgrave, G. R. 16

- N -
Nagay, J. A. 16
Namazi, M. Z. 16
Nelson, K. G. 16
Nevins, C. I. 17
Newland, G. E./Empey 6
Nichols, D. G./Campbell 4
Nichols, D. G./Jacobs (2) 13
Nichols, D. G./Larassen 14
Nichols, D. G./Roberts 18
Nicklas, M. S. 17
Nihras, K. 17
Nilsson, S. G. 17
Nilsson, S. G./Anderson 2
Noe, K. S./Lichtenstein 14
Norris, E. L. 17
Norton, S. D. 17

- O -
O'Brien, R. K./Alter 2
O'Brien, R. K./Short 19
O'Donnell, R. J. 17
O'Neill, H. E. 17

- P -
Pascal, G. R. 17
Peabody, F. J. 17
Perry, I. L. 17
Perry, W. S. 17
Peterson, R. D. 17
Peterson, R. O. 17
Phillips, H. E. 17
Phillips, J. C./Glaser 10
Plasaro, S. E. 17
Plaskin, V. 17
Plapp, J. M./Caputo 4
Preston, H. O. 18
Preston, H. O./Flanagan (3) 9
Preston, H. O./Iverson 12
Pumroy, S. S. 18
Pumroy, S. S./Flanagan 9
Purifoy, G./VanCott 21

- R -
Reilly, R. R. 18
Reveal, R. 18
Richards, J. T. 18
Richlin, M./Suttell 20
Riss, P. 18
Robbins, M. H. 18
Roberts, A. O. H. 18
Roberts, D. R. 18
Robbins, G. B. 18
Rohrer, W. M./Glaser 9
Ronan, W. W. 18
Rooney, G. G. 18
Rosen, A. 18
Rosenfeld, M./Dysinger 5
Rotberg, J. M. 18
Roth, L. H. 18
Ruch, F. L. 18
Ruch, F. L./Reveal 18
Rudov, M. H. 18
Rusch, W. G. 18
Rynans, D. G. 18, 19

- S -
Safren, M. 19
Samson, H. E. 19
Sanazar, P. J. 19
Sands, H. R./Short 19
Schaeffer, F. R. 19
Schmid, F. W. 19
Schmid, F. W./Fivars 7
Schmid, F. W./Flanagan 9
Schmidt, D. P. 19
Schubert, J. G./Goodison 10
Schumacher, A. J. 19
Schwarz, F. R. 19
Schwarz, P. A. 19
Schwarz, P. A./Glaser 10
Schwarz, P. A./Krumm 14

- T -
Tacey, W. S. 20
Takagi, C. Y. 20
Tarrant, W. E. 20
Taylor, M. V., Jr. 20
Taylor, M. V./Altman 2
Teig, J. B. 21
Thayer, P. W./McGehee 15
Thomas, N. K./Specter 20
Trent, T. C. 20
Trittipoe, T. G. 20
Truax, W. E. 20
Turner, A. N./Lombard 14
Tuska, S. A./Flanagan 9
Tyler, R. W. 21
Tyson, R. K. 21

- V -
Valance, T. R. 21
Valance, T. R./Glickman 10
VanCott, H. P. 21
VanCott/Miller, R. B. 16
Vasilas, J. N. 21
Vasilas, J. N./Valance 21
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wager, C. E.</td>
<td>21</td>
</tr>
<tr>
<td>Wagner, C. B./Graham</td>
<td>11</td>
</tr>
<tr>
<td>Wagner, R. F.</td>
<td>21</td>
</tr>
<tr>
<td>Walker, B. R.</td>
<td>21</td>
</tr>
<tr>
<td>Wallace, J. S.</td>
<td>21</td>
</tr>
<tr>
<td>Wark, D. J./Giolas</td>
<td>9</td>
</tr>
<tr>
<td>Weick, K. E./Campbell</td>
<td>4</td>
</tr>
<tr>
<td>Weislogel, M. H.</td>
<td>21</td>
</tr>
<tr>
<td>Weislogel, R. L.</td>
<td>21, 22</td>
</tr>
<tr>
<td>Weissman, I.</td>
<td>22</td>
</tr>
<tr>
<td>West, E. D./Flanagan</td>
<td>9</td>
</tr>
<tr>
<td>Weston, J. J.</td>
<td>22</td>
</tr>
<tr>
<td>Whitmyre, J. W.</td>
<td>22</td>
</tr>
<tr>
<td>Wickert, F.</td>
<td>22</td>
</tr>
<tr>
<td>Williams, J. W./Sanazaro</td>
<td>19</td>
</tr>
<tr>
<td>Williams, M. J.</td>
<td>22</td>
</tr>
<tr>
<td>Williams, R. E.</td>
<td>22</td>
</tr>
<tr>
<td>Williams, S. K. T.</td>
<td>22</td>
</tr>
<tr>
<td>Wirstad, J.</td>
<td>22</td>
</tr>
<tr>
<td>Wise, F. F.</td>
<td>22</td>
</tr>
<tr>
<td>Wright, D. L.</td>
<td>22</td>
</tr>
<tr>
<td>Youtz, R. P./Vasilas</td>
<td>21</td>
</tr>
<tr>
<td>Zaidenberg, D.</td>
<td>22</td>
</tr>
<tr>
<td>Zander, A. F.</td>
<td>22</td>
</tr>
<tr>
<td>Zavala, A./Graham</td>
<td>11</td>
</tr>
<tr>
<td>Zavala, A./Rudov</td>
<td>22</td>
</tr>
<tr>
<td>Zehrer, F. W./Campbell</td>
<td>4</td>
</tr>
<tr>
<td>Zehrer, F. W./Morris</td>
<td>22</td>
</tr>
<tr>
<td>Zucker, A.</td>
<td>22</td>
</tr>
</tbody>
</table>