Final Technical Report

Military Family Institute
of
Marywood University

Principal Investigator: Sister Patricia Ann Matthews, I.H.M.
Vice President for Academic Affairs

Institution's Name: Marywood University
2300 Adams Avenue
Scranton, PA 18509

Grant Number: G-F49620-93-1-0586
NOTICES

Acknowledgement of Sponsorship
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**REPORT DOCUMENTATION PAGE**

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<td>This report summarizes the Military Family Institute's work performed in close collaboration with the Office of Quality of Life, within the Office of the Deputy Assistant Secretary of Defense (Personnel Support, Families and Education) and its fiscal oversight office, the Air Force Office of Scientific Research. The Institute’s goal has been to conduct scientifically sound research, which could be used effectively by the DoD in its efforts to better understand, serve, and enhance the lives of military families. Additionally, the Institute implemented aggressive initiatives to ensure the widest possible exchange of family quality-of-life related research information to both military and civilian communities. Included is an overview of the Institute’s mission and objectives; a compilation of technical and scholarly research productions; and a chronological accounting of events since September of 1993. All acknowledgements and disclaimers as specified in: Air Force Office of Scientific Research (AFMC) Grants Terms and Conditions, PART V.; Article 12, Subparagraphs 12.2 and 12.3, dated January 1995, have been applied to each formal publication. Additionally, in accordance with governing directives, all required technical, fiscal, and invention reports, as well as each of the published research project reports, have been submitted and appropriately recorded, as specified.</td>
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NSN 7540-01-280-5500

Form Approved
OPM No. 0704-0188

Standard Form 298 (Rev. 2-88)
Prescribed by ANSI Std. 239.18.299-01
FINAL TECHNICAL REPORT
30 SEPTEMBER 1993 TO 29 SEPTEMBER 1998

MILITARY FAMILY INSTITUTE
of
MARYWOOD UNIVERSITY

1. **Objectives:** In accordance with the terms and conditions as specified in the Department of Defense Appropriations Act, 1992 (Public Law 102-172), the primary objective of this project was for Marywood University to establish a Military Family Institute (MFI) that would provide the Department of Defense (DoD), interested academic communities, and private, nonprofit sector family research agencies with an organization fully dedicated to military family research. The Military Family Institute's mission statement and objectives, as specified in Marywood University's original proposal, are at Enclosure 1.

2. **Status of effort:** Upon receipt of the Congressionally appropriated funds in the amount of $10,000,000.00 on October 1, 1993, Marywood University opened the Military Family Institute. Formal dedication ceremonies were held on April 22, 1994. In close collaboration with its Department of Defense sponsor, the Office of the Deputy Assistant Secretary of Defense (Personnel Support, Families and Education), the Military Family Institute conducted: ten major Research Projects; four Scholarly Initiated Research Projects; published six issues of its formal publication *Military Family Issues: The Research Digest*; created a World Wide Web Home Page designed to disseminate research findings; co-sponsored two *Department of Defense Quality of Life Research Symposiums* at Georgetown University, in Washington, D.C.; and hosted a *Youth Gangs/Youth Violence Conference* at Marywood University. Themes for the two DoD symposiums held in December 1996 and 1997, respectively, were: “Communities of the Future” and “Bridge to the 21st Century”. Each MFI research undertaking is highlighted at Enclosure 2. A chronological accounting of the Institute's activities is at Enclosure 3.

3. **Accomplishments/New Findings:** Findings of each of the formal research projects and initiatives conducted under this agreement have been formally published, appropriately acknowledged, and filed as independent research projects in accordance with governing directives.

4. **Personnel Supported:** Professional personnel associated with each of the research projects and initiatives conducted by the Institute have been appropriately recognized in the final report publications.

5. **Publications:** Formal publications of each of the research reports and scholarly initiated research initiatives, as well as both compendium summaries of the two DoD Quality of Life Research Symposia, are on file with appropriate governmental sponsoring agents. Copies of respective Final Technical Report Documentation Pages (Standard Form 298) are at Enclosure 4.
6. **Interactions/Transitions:**

   a. **Participation/presentations at meetings, conferences, seminars, etc:** Scholarly presentations at national and international professional meetings, conferences, and seminars are listed at *Enclosure 2.*

   b. **Consultative and advisory functions to other laboratories and agencies, especially Air Force and other DoD laboratories:** Military Family Institute researchers provided consultative and advisory services to San Diego State University Foundation in its Department of the Navy Sponsored research study on *Family Composition and Coping of Women Aboard Ships.*

   c. **Transitions:** The primary focus of the Institute’s work since its inception has been to organize and enhance family research to such a degree that its efforts and findings would support the Department of Defense in its continued efforts to develop and implement policies and programs that foster military communities characterized by high morale, relevant services, stability, and defense readiness. Each of the research projects undertaken by the Military Family Institute has been designed and conducted with that premise in mind.

7. **New discoveries, inventions, or patent disclosures:** None

8. **Honors/Awards:** None

9. **Markings:** None

*Enclosures (4)*

(1) *MFI Mission Statement/Objectives*

(2) *MFI Research Initiatives/Accomplishment*

(3) *MFI Chronology of Significant Events*

(4) *Report Documentation Pages (11 Copies)*
MISSION STATEMENT

- The primary mission of the Military Family Institute (MFI) is to conduct scientifically sound research focusing on military families. This research will enable the Department of Defense to better understand, serve, and enhance the lives of military families and thus, contribute to the strength of the Nation by increasing the readiness and retention of the Armed Forces.

- A secondary mission of the MFI is to develop and implement appropriate avenues for the interchange of knowledge between military and civilian communities regarding ways to enhance the social, psychological, spiritual, and physical health of families.

OBJECTIVES

- Design and undertake research of importance to the military family in collaboration with the Office of the Secretary of Defense.

- Analyze and disseminate research findings within the Department of Defense and to other agencies, organizations, and institutions at the local, state, national, and international levels.

- Recommend policies, programs, and procedures that will enable the Department of Defense to better understand, serve, and enhance the morale, health, and well-being of military families.

- Review, summarize, and make recommendations to the Department of Defense concerning family research conducted by other individuals or agencies.

- Conduct conferences, seminars, and meetings that will facilitate the identification, coordination, and dissemination of military family research.
MILITARY FAMILY INSTITUTE
Research Initiatives and Accomplishments

Technical Reports

Marywood University faculty, research associates, doctoral students, and graduate students have been provided the opportunity to serve as Principal Investigators or co-authors for several major research projects.

*Scope and Impact of Personal Financial Management Difficulties of Service Members on the Department of the Navy.* Authors: Raminder K. Luther, E. Thomas Garman, Irene E. Leech, Larry Griffitt, and Timothy Gilroy.

*The Health and Nutrition of Children in Military Families.* Authors: Alan M. Levine and Lea M. Dougherty.

*Quality of Life and Shelter: An Overview of the History of Military Housing Policy and Initiatives Since the Adoption of the All-Volunteer Force Concept (1973-1996).* Authors: Pamela C. Twiss and James A. Martin.

*Military Adolescents: Their Strengths and Vulnerabilities.* Authors: Dorothy J. Jeffreys, Jeffrey D. Leitzel, Gail Cabral, Joanne Gumpert, Elizabeth Hartley, Douglas Lare, Nancy M. Nagy, Edward J. O'Brien, Theresa J. Russo, Mary Salvaterra, and Jane Strobino.

*Quality of Life and Shelter: A History of Military Housing Policy and Initiatives (1973-1996).* Authors: Pamela C. Twiss and James A. Martin.

*Military Marriages in the 1990s.* Authors: Valerie Stander, Peggy McClure, Timothy Gilroy, Jolene Chomko, and Jennifer Long.

*Physical Activity Patterns and Satisfaction with Fitness Facilities Among Military Members and Their Families.* Authors: Lee Harrison, Mark Brennan, and Cynthia Shilanskis.

*Military Community Cohesion.* Authors: Peggy McClure and Walter Broughton.

*Military Adolescents: Their Strengths and Vulnerabilities, Analysis of Focus Groups.* Authors: Nancy M. Nagy, Douglas Lare, Dorothy J. Jeffreys, Jeffrey D. Leitzel.

*Military Family Research Compendium.* Editor and coordinator: Peggy McClure.
Scholarly Initiated Research Projects

This Military Family Institute program made available funds for short-term research projects to Marywood University faculty and doctoral students. Four projects were funded in 1997 and 1998.


Scholarly Presentations

Marywood University faculty and Military Family Institute researchers have presented findings based on completed research projects at national and international professional meetings, conferences, and seminars.

**Military Adolescents: Their Strengths and Vulnerabilities**

- October 1994 - National Association of Social Workers - Nashville, TN
- November 1994 - National Council on Family Relations - Minneapolis, MN
- March 1994 - Eastern Sociological Society - Philadelphia, PA
- August 1994 - American Psychological Association - New York, NY
- Oct/Nov 1994 - DoD Youth Action Conference - Tampa, FL
- May 1995 - 3rd Joint National Conference on Gangs, Schools and Community - Washington, DC
- August 1995 - American Psychological Association - New York, NY
- October 1995 - National Association of Social Workers - Philadelphia, PA
- August 1996 - 104th Annual Convention of the American Psychological Association - Toronto
- April 1997 - Air Force Youth Conference, Atlanta, GA
- August 1997 - 105th Annual Convention of the American Psychological Association, Chicago, IL
November 1997 - National Council on Family Relations, Arlington, VA
January 1998 - International Conference on Research for Social work Practice - Miami, FL
February/March 1998 - Society for Research on Adolescence Conference - San Diego, CA
April 1998 - American Education Research Association - San Diego, CA
August 1998 - American Psychological Association - San Francisco, CA

**Health and Nutrition of Children in Military Families**
October 1995 - Inter-University Seminar - Baltimore, MD
June 1996 - American Association of Family and Consumer Sciences, Nashville, TN
Spring 1997 - Eastern Sociological Society, Baltimore, MD
February 1997 - United States Department of Agriculture Conference, Beltsville, MD
June 1997 - American Association of Family and Consumer Sciences, Washington, DC
October 1997 - American Dietetic Association - Boston, MA

**Quality of Life and Shelter: A History of Military Housing Policy and Initiatives**
November 1997 - Inter-University Seminar, Baltimore, MD
March 1998 - Council on Social Work Education - Orlando, FL

**Military Community Cohesion**
August 1998 - American Sociological Association - San Francisco, CA

**Physical Activity Patterns and Satisfaction with Fitness Facilities**
June 1998 - 23rd National Wellness Conference - Madison, WI
August 1998 - American Sociological Association - San Francisco, CA
October 1998 - Mid-South Sociological Association - Lafayette, LA

**Military Marriages in the 1990s**
August 1997 - American Sociological Association - Toronto

**Information Transfer - The Research Digest**
November 1995 - National Council on Family Relations - Kansas City, MO

**Personal Financial Management**
November 1996 - AFCPE - Grand Rapids, MI

**Stages of Drawing and Intelligence**
August 1998 - 22nd World Congress of Organization Mondiale pour L'Eduction Prescolaire, Copenhagen, Denmark.

**Volunteerism Among Military Families**
May 1998 - American Society of Public Administrators - Seattle, WA
Information Dissemination

Six issues of the *Military Family Issues: The Research Digest* have been published to date (April and September, 1996; April and August, 1997; January and August, 1998) with a mailing list of 3,000. *The Research Digest* is targeted to military family policy makers, program managers, direct service providers, and military leaders. It is available in a paper form as well as electronically through the Institute’s Internet WebSite (http://mfi.marywood.edu). Editorial Board members included: Lt. Col. Ken Hoffman, Director of the Center for Training and Education in Addiction Medicine at USUHS; Ann O’Keefe, an independent consultant and former Department of the Navy Senior Policy Advisor/Analyst for Family Matters; Gary Bowen, Ph.D., ACSW, University of North Carolina at Chapel Hill; John Cox, DSW, Associate Professor of Social Work and Chair, Dept. of Social Work and Sociology, MacMurray College; and Glenda Nogami, Director of Curriculum Research at the U.S. Army War College. The Editor, Jim Martin, Ph.D., BCD (Colonel, Retired, US Army Medical Department) is an Associate Professor at Bryn Mawr College Graduate School of Social Work and Social Research.

Other Initiatives

A short-term data analysis project was conducted for Tobyhanna Army Depot.

In close collaboration with the Office of the Deputy Assistant Secretary of Defense (Personnel Support, Families and Education) Marywood University co-sponsored two *Department of Defense Quality of Life Research Symposiums* at Georgetown University. Themes for the symposiums were "Communities of the Future" and "Bridge to the 21st Century."

The U.S. Navy Women Aboard Ships project, sponsored by the Naval Health Research Center in San Diego and managed by the San Diego State University Foundation, awarded to the MFI a subcontract to design a family research questionnaire.

MFI co-sponsored a Youth Gangs/Youth Violence Conference with featured speakers James C. Howell and Deborah Prothro-Stith.

In collaboration with Marywood University’s Office of Diversity Efforts and its Women’s Issues Committee, the MFI co-sponsored the *Women as Peacemakers, Women as Peacekeepers* seminar and conference.
MILITARY FAMILY INSTITUTE
CHRONOLOGY OF SIGNIFICANT EVENTS
1993 – 1998

1993
May 28 Marywood's 1992 proposal accepted by DoD - announcement to media is made.
July 15 Preliminary research efforts begin with "go ahead" for Military Adolescent Project and Health and Nutrition Project.
Oct. 1 Marywood receives $10 million. Institute officially begins operations.
Oct. 1 Marywood appoints Peter McNeilis as MFI Director and Joe Giacofci as Deputy Director for Administration. Hiring process begins for staffing the Institute.

1994
Feb. 15 Institute charter developed to include design of governing bodies.
April 22 Military Family Institute Dedication Ceremony.
June 1 Theresa J. Russo appointed as MFI's first postdoctoral fellow.
Sept. 22 Sr. Mary Reap, I.H.M., addresses Committee on Science, Space and Technology.
Oct. 5 MFI hosts two-day planning meeting with military and behavioral science researchers.
Oct. 27 MFI co-sponsors open forum on family research, presenter Murray Straus.
Nov. 21 MFI participates in National Military Family Recognition Day.
Dec. 1 Douglas Muller appointed as Institute's first Deputy Director for Research.

1995
Jan. 29 Scientific Review Committee for MFI established.
Jan. 14 Remodeling of third floor in MFI building begins.
Feb. 1 MFI creates an Internet home page.
April 7 U.S. Navy Women Aboard Ships project awarded to MFI.
April MFI directors and DoD, OFP personnel brief Congressman McDade.
May Luncheon for PA House of Representatives hosted by Sr. Mary Reap and MFI.
Aug. 1 Peggy McClure appointed as second postdoctoral fellow.
Sept. 15 MFI establishes The Research Digest Editorial Board.

1996
Jan. 1 Alan Levine appointed as Deputy Director for Research.
Jan. 16 Physical Activity Project begins.
March 6 DoD officials meet at MFI regarding research agenda.
April 1 Personal Financial Management project begins.
April 10 Military Family Issues: The Research Digest premiers.
April 15 Valerie Stander appointed as third postdoctoral fellow.
Sept. 3 Quality of Life and Shelter research project begins.
Sept. 28 MFI hosts Satellite Broadcast and Forum on Women's Concerns.
Oct. 29 MFI co-sponsors Youth Gangs/Youth Violence Conference.
Dec. 13 Michael Shaler appointed Director of MFI.
Dec. 16 MFI co-sponsors 1st DoD Quality of Life Research Symposium.

1997
May 6 DoD Briefing: Personal Financial Mgmt Project.
May 14 Military Marriages in the 1990s project begins.
June 15 Two DoD Briefings: Military Adolescent Project and Nutrition Project.
Aug. 1 Peggy McClure named MFI Senior Scientist.
August Scope and Impact of Personal Financial Management Difficulties of Service Members on the Department of the Navy published.
Sept. DoD Briefing: Quality of Life History Project.
Nov. Military Adolescents: Their Strengths and Vulnerabilities published.
Dec. 11 MFI co-sponsors 2nd DoD Quality of Life Research Symposium.

1998
Feb. 5 Press Conference, National Press Club, Washington, DC.

Enclosure 3
Scope and Impact of Personal Financial Management Difficulties of Service Members on the Department of the Navy.

6. AUTHOR(S)
Raminder K. Luther, E. Thomas Garman, Irene E. Leech, Larry Griffitt, Timothy Gilroy

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8. PERFORMING ORGANIZATION REPORT NUMBER
Military Family Institute (MFI)
Technical Report 97-1

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
AFOSR/NIL
110 Duncan Avenue, Suite B115
Bolling AFB, DC 20332-0001

10. SPONSORING/MONITORING AGENCY REPORT NUMBER
AFOSR/NIL
Project Task #7755/00

11. SUPPLEMENTARY NOTES
Contracting officer: Ms. Marilyn J. McKee
Approved for public release; distribution unlimited.

12a. DISTRIBUTION/AVAILABILITY STATEMENT
12b. DISTRIBUTION CODE
Approved for public release; distribution unlimited.

13. ABSTRACT (Maximum 200 words):
The Personal Financial Management Program Research Study was completed by the Military Family Institute of Marywood University. The purpose of this study was to conduct a review of existing research findings that define the scope and impact on the United States Navy of poor personal financial management by service members. Objectives included enabling the Navy to determine the fiscal and functional costs of poor personal financial management practices and to develop a better understanding of its impact in order to enhance the quality of life for military families. This report draws from existing military and civilian studies. Data was collected from published reports, military database searches, quality-of-life surveys, and statistics provided by departments within the Navy and service providers. Recommendations for improvements to the current Personal Financial Management Program (PFMP) are included in the report as well as a discussion outlining the benefits of conducting a longitudinal study to ascertain baseline data and to assist the Navy in future planning.

14. SUBJECT TERMS
Retention - Training - Cost Estimations - Readiness
Financial Management - Personal Financial Management Programs

15. NUMBER OF PAGES
99

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT
Unclassified

18. SECURITY CLASSIFICATION OF THIS PAGE
Unclassified

19. SECURITY CLASSIFICATION OF ABSTRACT
Unclassified

20. LIMITATION OF ABSTRACT
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**The Health and Nutrition of Children in Military Families**

**Military Family Institute**
Marywood University
2300 Adams Avenue
Scranton, PA 18509-1598

**AFOSR/NL**
110 Duncan Avenue, Suite B115
Bolling AFB, DC 20332-0001

**Contracting officer:** Ms. Marilyn J. McKee

**Approved for public release; distribution unlimited.**

**The Health and Nutrition of Children in Military Families survey was conducted by the Military Family Institute (MFI) at Marywood University. The purpose of the study was to obtain baseline data for a number of modifiable and interrelated health and nutrition behaviors of preschool children living in military families. Specific content areas included diet and eating habits, physical activity and television viewing, weight status, environmental tobacco smoke exposure, heath indices including the children's immunization levels, use of support services, as well as family and military experiences. A questionnaire was sent during Summer 1996 to a world-wide stratified, probability sample of 10,691 military parents who had a child born between 1990 and 1992. Study results identified numerous strengths, concerns and implications in all content areas for the military preschoolers. While military children are similar to their civilian counterparts in many of the areas studied, this does not obviate the necessity to consistently improve the health and nutrition behaviors of these preschoolers. The Department of Defense should continue present programming, while at the same focus efforts and resources on the targeted areas of concern.**

**Subject Terms:**
- military children
- day care
- immunizations
- physical activity
- nutrition
- health
- television
- eating habits
- EFMP
- weight status
- family
- preschool
- smoking/ETS
- diet

**Number of Pages:** 150

**Limitation of Abstract:** Unlimited
Quality of Life and Shelter: An Overview of the History of Military Housing Policy and Initiatives Since the Adoption of the All-Volunteer Force Concept (1973-1996)

Pamela C. Twiss and James A. Martin

Military Family Institute
Marywood University
2300 Adams Avenue
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Contracting Officer: Ms. Marilyn J. McKee
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This study provides an overview of the history of military housing policies following the inception of the All-Volunteer Force Concept (1973-1996). The focus is upon military housing within the United States. Housing policies are examined within a quality-of-life perspective. The report discusses changes in force characteristics, career duties and demands of members of the Armed Forces, the nature of military housing programs and benefits, and the military community during this period. Broad housing trends for unaccompanied and accompanied military personnel are presented within the context of important social, economic, and political factors. Quality-of-life challenges for the future are considered in relationship to military housing.

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<td>The purpose of this technical report is to present the health, mental health and activities and behaviors of adolescents living in military families. Environmental experiences and perceptions of these youths are presented along with perceptions with respect to school, peers, family, and the military. Comparisons with civilian adolescents are presented. Data were collected from 6,382 adolescents at military installations of the Air Force, Army, Marine Corps, and Navy around the world. Participants were selected via a two-stage stratified probability sampling design. Installations were selected during the first stage with probability proportional to size. Adolescents were randomly selected during the second stage. Surveys were administered on-site by trained MFI staff. The preponderance of respondents to this survey reported being healthy; engaging in weekly exercise; participating in appropriate school and community activities; doing homework and getting good grades in school. These military youths were very similar to their civilian counterparts. Few respondents were found to be at risk for mental health and behavior problems. Youth with a parent in the Navy, those living overseas, and those with a parent in the E7-E9 pay group appeared to be at relatively greater risk than other groups. Personal characteristics were also explored. Implications are presented.</td>
<td>military adolescents, mental health, substance use, mobility, family, family satisfaction, friendships, school, health, relationships, safety, activities, recreation, delinquency, separation, parental deployment, punishment, smoking, across-services, duty station location (CONUS vs. OCONUS), pay groups (or SES, socioeconomic status), gender, age, race</td>
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*Enclosure 4, (page 4 of 11)*
# REPORT DOCUMENTATION PAGE

**Title:** Quality of Life and Shelter: A History of Military Housing Policy and Initiatives (1973-1996)

**Authors:** Pamela C. Twiss and James A. Martin

**Performing Organization:**
- **Name:** Military Family Institute
- **Address:** Marywood University, 2300 Adams Avenue, Scranton, PA 18509-1598

**Sponsoring/monitoring organization:**
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- **Address:** 110 Duncan Avenue, Suite B115, Bolling AFB, DC 20352-0001

**Contracting officer:** Ms. Marilyn J. McKee

**Funding numbers:**
- **F49620-93-1-0586**
- **AFOSR CFDA #12,800**

**Abstract:**
This study provides a history of military housing policies following the inception of the All-Volunteer Force Concept (1973-1996). The focus is upon military housing within the United States. Housing policies are examined within a quality-of-life perspective. The report discusses changes in force characteristics, career duties and demands of members of the Armed Forces, the nature of military housing programs and benefits, and the military community during this period. Broad housing trends for unaccompanied and accompanied military personnel are presented within the context of social, economic, and political factors. Quality-of-life challenges for the future are considered in relationship to military housing.

**Subject terms:**
- military housing policy
- quality of life
- all-volunteer force
- housing benefits
- housing programs
- military community

**Number of pages:** 115

**Price code:** Unlimited

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*Enclosure 4, (page 5 of 11)*
**Military Marriages in the 1990s**

Valerie A. Stander, Ph.D., Peggy McClure, Ph.D.,
Timothy Gilroy, Jolenie Chomko, and Jennifer Long

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Contracting officer: Ms. Marilyn J. McKee

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This study represents the first step in exploring how three groups of dual-working couples experience changing gender and marital roles in the military. These groups are: 1) traditional couples - military husbands and civilian wives; 2) military wives with civilian husbands; and 3) dual military couples. The study includes a secondary analysis of the 1992 Department of Defense Survey of Spouses of Officers and Enlisted Personnel as well as a qualitative analysis of 141 in-depth interviews. The results describe spouse's satisfaction with the military way of life and civilian employment opportunities. Those interviewed describe the reasoning and decision processes that resulted in the choice to be in dual-working military marriages. This report also lists ways in which dual-working couples believe the Department of Defense can continue to support them.
**Physical Activity Patterns and Satisfaction with Fitness Facilities Among Military Members and their Families**

**Lee Harrison**, Mark A. Brennan, and Cynthia M. Shilanski

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**Contracting officer**: Ms. Marilyn J. McKee

**Approved for public release; distribution unlimited.**

The purpose of this study was to obtain baseline data on the physical activity levels, preferences and intensity of Armed Forces members, their spouses and their families. It also collected a variety of data related to satisfaction with fitness facilities and programs. Among the areas of interest explored were specific activities and location of where these were performed, intensity and frequency of exercise, and identification of favorite and least favorite programs/facilities.

All military members were compared on the basis of duty location, gender, rank, and service. Military spouses were compared by service and gender. Finally, military children were compared by gender, service, and academic grade.

**Subject Terms**
- physical activity
- physical fitness
- fitness facilities
- exercise
- fitness facility usage

**Security Classification**
- Report: Unclassified
- This Page: Unclassified
- Abstract: Unclassified

**Limitation of Abstract**: Unlimited
REPORT DOCUMENTATION PAGE

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<td>Several trends affecting the military make the cohesion of installations increasingly problematic. At the same time, recent work in military sociology contends greater attention should be paid to the integration of military units within the larger social entities. We report the results of a pretest conducted among 325 military personnel and spouses on an east coast air base to construct a measure of base cohesion. A principal components analysis yields two relatively stable and independent dimensions from the 50 Likert items we constructed. These reliable scales correlate well with measures of work unit cohesion and with a measure of neighborhood cohesion (especially among respondents in neighborhoods that are an extension of the base). They also correlate as well or better than work unit cohesion with measures of retention.</td>
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<td>cohesion of military installations military cohesion neighborhood cohesion on-base off-base military cohesiveness military community</td>
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Enclosure 4, (page 8 of 11)
REPORT DOCUMENTATION PAGE

1. AGENCY USE ONLY (Leave Blank)

2. REPORT DATE
   September 1998

3. REPORT TYPE AND DATES COVERED
   Final
   November 1997-September 1998

4. TITLE AND SUBTITLE
   Military Adolescents: Their Strengths and Vulnerabilities
   Analysis of Focus Groups

5. FUNDING NUMBERS
   F49620-93-1-0586
   AFOSR CFDA #12.800

6. AUTHOR(S)
   Nancy M. Nagy, Douglas Lare, Dorothy J. Jeffreys and
   Jeffrey D. Leitzel

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
   Military Family Institute
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8. PERFORMING ORGANIZATION REPORT NUMBER
   Military Family Institute (MFI)
   Technical Report 98-5

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
   AFOSR/NL
   110 Duncan Avenue, Suite B115
   Bolling AFB, DC 20332-0001

10. SPONSORING/MONITORING AGENCY REPORT NUMBER
    AFOSR/NL
    Project Task #7755/00

11. SUPPLEMENTARY NOTES
    Contracting Officer: Ms. Marilyn J. McKee

12a. DISTRIBUTION/AVAILABILITY STATEMENT
    Approved for public release; distribution unlimited.

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

Three hundred and eighty three (383) adolescents participated in focus groups following the administration of a questionnaire designed to collect broad, baseline data on military adolescents. Topics addressed during the groups ranged from general (e.g., What is life like for you?) to quite specific (e.g., How safe do you feel at this installation or in your neighborhood?). While the adolescents who participated had a predominantly positive view of military family life, they also had a number of concerns. Many discussed problems with school transitions and difficulties with maintaining and initiating friendships with peers due to frequent relocations. The older youths often related the perception that there were no activities provided on installation directed at their age group. Some adolescents felt that social problems would be dramatically reduced if older youths had "somewhere to go" or "something to do" on installation. Recommendations are made on ways that many of the concerns of these adolescents can be addressed. Further research is recommended to better understand the source of the resiliency that these young people seem to possess in the face of frequent disruption of their peer and educational milieu.

14. SUBJECT TERMS
    military adolescents, mobility, family, family satisfaction,
    friendships, school, relationships, safety, activities, recreation, separation, parental
    deployment, across-services, duty station location (CONUS vs. OCONUS)

15. NUMBER OF PAGES
    43

16. PRICE CODE
    Unlimited

17. SECURITY CLASSIFICATION OF REPORT
    Unclassified

18. SECURITY CLASSIFICATION OF THIS PAGE
    Unclassified

19. SECURITY CLASSIFICATION OF ABSTRACT
    Unclassified

20. LIMITATION OF ABSTRACT

Enclosure 4, (page 9 of 11)
**REPORT DOCUMENTATION PAGE**

1. AGENCY USE ONLY (Leave Blank)
2. REPORT DATE
   - July 1998
3. REPORT TYPE AND DATES COVERED
   - Final: July 1997 - July 1998

4. TITLE AND SUBTITLE
   - Volunteerism Among Military Families

5. FUNDING NUMBERS
   - F49620-93-1-0586
   - AFOSR CFDA #12.800

6. AUTHOR(S)
   - Sherry J. Fontaine, Ph.D., Mark A. Brennan, M.S., C. Estelle Campenni, Ph.D., Kipling C. Lavo, M.P.A.

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   - 2300 Adams Avenue
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8. PERFORMING ORGANIZATION REPORT NUMBER
   - Military Family Institute (MFI)
   - Research Report 98-1

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
   - AFOSR/NS
   - 110 Duncan Avenue, Suite B115
   - Boiling AFB, DC 20332-0001

10. SPONSORING/MONITORING AGENCY REPORT NUMBER
    - AFOSR/NS
    - Project Task #7755/00

11. SUPPLEMENTARY NOTES
    - Contracting Officer: Ms. Marilyn J. McKee
    - Approved for public release; distribution unlimited.

12a. DISTRIBUTION/AVAILABILITY STATEMENT
    - Approved for public release; distribution unlimited.

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words):
    - This paper on volunteerism among military families has a specific focus on military spouses. Spouses of military personnel have traditionally provided volunteer services to the military community. Voluntary activity can provide military spouses with satisfying experiences and often can enhance a spouse’s employment skills. In addition, in geographic areas where employment is not readily available, voluntary positions can offer valuable alternatives to paid employment.
    - This paper provides recommendations for promoting volunteerism among this population. The report offers an examination of the extent of voluntary activity in domestic and overseas military bases factors that promote volunteerism and factors that serve as obstacles to volunteerism. This analysis is based on the results from the 1992 Department of Defense Survey of Officers and Enlisted Personnel and their Spouses.
    - The feasibility of providing or enhancing those services/attributes identified as fostering volunteerism and the elimination of barriers to volunteerism are also examined. While this paper looks at volunteerism within a particular population, military families, many of the findings of this research are generalizable to the population at large. As such, this study furthers our understanding of factors that foster volunteerism and provides practical methods nonprofit organizations can employ to recruit and retain their volunteer staff.

14. SUBJECT TERMS
    - Volunteerism
    - Military Spouses
    - Voluntary Activities
    - Volunteer Services
    - Military Families
    - Community Activities
    - Volunteer Efforts

15. NUMBER OF PAGES
    - 43

16. PRICE CODE
    - Unlimited

17. SECURITY CLASSIFICATION OF REPORT
    - Unclassified

18. SECURITY CLASSIFICATION OF THIS PAGE
    - Unclassified

19. SECURITY CLASSIFICATION OF ABSTRACT
    - Unclassified

20. LIMITATION OF ABSTRACT
    - Unlimited

Enclosure 4, (page 10 of 11)
# Stages of Drawing and Intelligence

**Author(s):** Fintan Kavanagh, Ph.D.

**Performing Organization:**
- **Name:** Military Family Institute
- **Address:** Marywood University
  - 2300 Adams Avenue
  - Scranton, PA 18509-1501
- **Research Report:** Research Report 98-2

**Sponsoring/Monitoring Organization:**
- **Name:** AFOSR/RL
- **Address:**
  - 110 Duncan Avenue, Suite B115
  - Bolling AFB, DC 20392-0001

**Contracting Officer:** Ms. Marilyn J. McKee

**Abstract:**
Children's drawings follow a developmental sequence. Beginning with uncontrolled scribble, children progress to controlled scribble, through basic forms, to increasingly sophisticated modes of representation. While researchers describe the stages somewhat differently, there is general agreement that definable stages do exist and are easily observable. The environment must, however, provide access to the necessary materials as well as opportunities for expression. The extent to which the environment facilitates the evolution of art in children is a critical consideration. The tendency of children to represent their world in this way appears to exist across cultures. Like their civilian counterparts, children in military families express themselves in drawing. Their graphic representations serve several purposes: they show the child's growing intellectual and cognitive development, they are a language and communication system, and they offer a means of counseling and therapy.

As part of the developmental process, children integrate their various skills as they draw. The motivation to represent in drawings what they see causes children to sharpen their perceptions and increase their fine motor skills. As they create, they also coordinate (e.g., eye and hand). While the process is artistic, it may also be seen as cognitive, as an indicator of the child's growing intellectual competence. The widespread use of projective drawings by psychologists for assessing not only cognitive and developmental levels but also overall personality integration is also noted within this report.

**Subject Terms:**
- Children's drawings
- Developmental perspectives
- Children's intelligence
- Children's cognitive development
- Children's illustrations
- Children's art

**Security Classification:**
- Report: Unclassified
- This Page: Unclassified
- Abstract: Unclassified

**Funding Numbers:**
- F49620-93-1-0566
- AFOSR CFDA #12800

**Distribution Code:** Approved for public release; distribution unlimited.