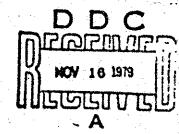
Research Problem Review 77-3

WOMEN SOLDIERS IN KOREA:
COMMAND CONCERNS ABOUT PREGNANCY,
FACILITIES, AND OTHER ISSUES



U. S. Army



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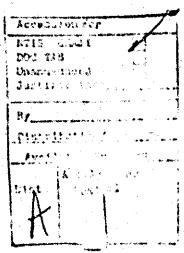
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WORTH SOLDIERS IN KORRA!

CONSIGNATION CONCERNS ABOUT PRECHANCY.

PACILITIES AND OTHER 15SUES

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They are usually prepared to meet requests for research results bearing on specific management problem.

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FOREMORD

Hew Department of Defense policies toward greater utilization of women were established in April 1972. All military specialties were to be opened to women, except those involving direct combat or unusual physical demands. This policy had a delayed impact on the Righth United States demands. This policy had a delayed impact on the Righth United States demands. This policy had a delayed impact on the Righth United States demands. This policy had a delayed impact on the Righth United States demands. This policy had a delayed impact on the Righth United States demands of 1976, the number of Army (RUSA) in Korea. From 1974 to the Spring of 1976, the number of women sessioned to EUSA increased at an accelerated rate from a typical atrength of some 400 to more than 1,200.

These women soldiers were assigned all over the Korean penissula. In earlier years, women in Korea had been concentrated in a few units in the Secul area, working together in administrative or medical fields. The new non-traditional MOS and equal opportunity policy seat women wherever they were needed by MOS, one by one. Momen were sasigned as company cierks and cooks, for instance, to units where such positions had company cierks and cooks, for instance, to units where such positions had been filled previously by men. EUSA has been an Army of men. performing under the threat of hostile enemy action. There were many obvious problems for women soldiers and for the Eighth Army in this situation.

To identify problems of women soldiers in Korea and to determine which required specific command action and which a more general training effort, two questionnaire surveys were conducted in summer and fall of 1976 at the direction of the Chief of Staff EUSA. The Far East Field Unit of the Ermy Research Institute for the Behavioral and Social Sciences (ARI) was asked to develop and conduct the surveys. The request was made in view of ARI's many years experience in manpower systems management, most recently in the area of military careers for woman. The surveys were made immediately after EUSA's first year of experience under the new policy. Results indicated a generally high level of estisfaction smong troops and commanders of units employing women soldiers, as well as specific problem areas. ARI Research Memorandume 77-16, "Momen Soldiers in Koreat Troop Viewpoints" and 77-17, "Women Soldiers in Kores: Commanders' Viewpoints" describe the surveys in detail. The present Research Problem Review summerises and analyses the problem erass which particularly concerned unit commanders.

Research was accomplished under Army Project 20762717A767, with the particular cooperation of the U.S. Army Medical Command, Korea.

J. E. UNIABER Technical Director

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WOMEN SOLDIERS IN KOREA: COMMAND CONCERNS ABOUT PRECHANCY, PACILITIES AND OTHER ISSUES

BRIEF

Requirements

To determine how Army policy on prognancy offected the general acceptance of women soldiers by unit commanders in the Righth U.S. Army (SUSA) in relation to other issues. Survey research regarding women soldiers in Korea showed general satisfaction among troops and general acceptance of women soldiers by their commanders. Yet significant practical probless were associated with pregnancy and the need to provide separate facilities for women.

Procedures

Responses to the commanders' survey included volunteered descriptions of problems experienced by commanders whose units included women soldiers. Mutually exclusive categories of command concerns were developed by sorting the comments of 108 commanders on a successive priority basis. Priority one was pregnancy (mentioned by 23 commanders). Priority two was facilities for women (20 commanders). Priority three was Any other problem (20 commanders). The remainder (45 commanders) did not mention problems. The priority concerns were analyzed as a joint function of the numbers and percentages of women assigned to a commander's unit. They were worted into units with soat women (above the median in number and percent), with fewest (below both medians), and those above one median and below the other.

Findings:

Commanders with most women (more than six, representing more than 82 of unit strength) were most often concerned about pregnancy in relation to other commanders and other priority problems.

Commanders with fewest women (six or fewer, representing 5% or less of unit strength) were most often concerned about tacilities for women in relation to other commanders and other priority problems.

Commanders of units showing wixed numbers and percentages of women were most often concerned about problems other than pregnancy or facilities. The other problems included sick call, strength, isolated duty, dependents, and stereotyped sex-role behavior. Sex-role behavior inappropriate to soldiers in the chain of command was the most common concern.

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Utilization of Findings:

Current policy permitting women soldiers to remain on duty during pregnancy had the greatest negative impact among commanders of units where women ware most numerous. In-examination of pregnancy policy is indicated.

Commanders with formet woman soldiers were most concerned about providing facilities for woman.

A trade-off solution between problems of prognancy and facilities
wight be to assign 5 to 9 women to a unit keeping the percentage between
5 and 10%. In view of the general satisfaction of troops and acceptance
by commanders, the other problems may be revolved case by case with
further training and experiences

WORKS SOLDIERS IN KOREA: CONGLAID CONCERNS ABOUT PREGNANCY, PACILITIES AND OTHER ISSUES

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WOMEN SOLDIERS IN ADVEA: COMMAND CONCERNS ABOUT PREGRANCY, FACILITIES AND OTHER INSUES

BACKCROUMD

Two questionmairs surveys were conducted during the summer and fall of 1976 at the direction of the Chief of Staff SUSA. These surveys were described in two reports under the same general title. Momen Soldiers in Fores, Solin, Johns & Cowings, 1977. One report describes troop viewpoints. The other report describes commander viewpoints regarding the expended roles for women soldiers as those roles have been experienced in Kores. The timing of the surveys is important. They follow the first year's experience with larger numbers of women who were assigned all over Kores in both traditional and non-traditional duties for women soldiers.

This report is focussed on special priority concerns of the commend. The parlier reports desconstrated that there was a generally high level of satisfaction among troops and commanders of units amploying women soldiers. Certain specific problem areas were identified for commandwide attention. Certain other areas appeared to require longer-term training and education efforts.

Troop Views.

Women soldiers made it clear that they wanted special attention paid to their needs at Army clubs, post exchanges and in recreation services. Women soldiers also appeared to need longer-term attention to ease the emotional and intellectual shock of confronting an oriental culture which does not generally favor changing or expanded roles for women.

There was also evidence of a kind of emotional and intellitual shock involved in the vary process of living and working out the kinds of behaviors needed to realise the goals of equal opportunity for women. Stereotyped sex-role behavior was practiced by both men and women as well-learned habits prevailed against good intentions.

But women described themselves as being as well satisfied as men in similar duties in the same units. There was an apparent higher satisfaction expressed by many men serving in duties traditional for women, such as administrative/clerical, modical duties. Thus, the ensiyess of troop views might effect a conclusion that almost no differences extendetween men and women regarding on-duty and off-duty satisfaction.

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Commender Views.

The analysis of commander questionneires showed that most commanders were natisfied with having women in their units. Taking all commanders as a group, the frequencies of mention did not suggest widely held concerns. Moreover, the problems mentioned were easily predictable sources of concerns.

Physical/Medical was the most often mentioned category. The category more accurately might have been called gynecological since most examents were about programmy and memotrual disorders. About 262 of the commanders wiste about this area.

The requirement for seperate facilities (billets and latriage) was sentioned by 74% of the commanders.

Stereotyped sex-role behavior by both men and women was seen and reported by 15% of commanders as a putential threat to good military discipline and order. This category includes emotional displays such as crying, seeking special preference as a women, overprotection of women by sen, and flirting or trading on possible sexual favors by both men and women.

About 10% of the commanders reported problems related to physical strength or isolated/hazardous duty assignments.

Over 40% of commanders failed to use their quanticensires to identify problems in writing. In view of the generally positive opinions expressed about women soldiers, this lack of comment may be taken as further avidence of general actisfaction with women soldiers. On the other hand, it may also represent the "can do" attitude of perseverance in agine of personnel obstacles. Commanders may be louth to admit in writing that they are having trouble with an assigned task; in this case, paking the Equal Opportunity Treatment (EOT) policy work.

The ground truth or reality behind such interpretations cannot be simply or directly determined by questionnaires. Surveys necessarily show what people are willing and able to say about themselves and their rituations at the time of survey, and under the conditions presented by the survey method. The real levels of concern may be greater or less than those indicated by the percentages of reply. However, the relative order of importance between problems and different groups of people replying to questionnaires can be inferred from differing petrarae of response. Hence the value of survey research is mainly in comperative analyses of response patterns.

PRIOLITY COSCARD CONCERNS

The present analysis was designed to explore the priority concarns of 205A regarding prognancy, separate facilities for vesses and other problems mentioned by commanders. The earlier report and enalysis had shown that the response catagories did not very dependably with a veriety of factors such as communicate grade, unit type, experience in command of women, location of unit and time of servey. The general findings of that enalysis remain true within the limits of sampling errors when the sample of ill commanders is considered all tegeshor.

The analysis presented in this report was experient by different
levels of aggregation and used a different we not of content analysis
designed to focus sharply on the priority problems. This analysis above
different aspects of the sens phonouns. The results highlight priority
concerns; they do not dany but complement the serlier everall analysis.

Defere getting into the quantified results, the character of the command concers with programmy most be considered. The current policy requires that women be given full medical care when program and that they not be relieved of duty consistent with the tooich and welfare of nother and child. In practice this policy can mean that a commander carries a program women on the unit rooter of personnel but cannot assign her to the full range of duties. The problems of having other coldiers compensate for lost time and effort are chylous.

Most commanders who wrote on this issue limited their comments to lost time and the mornie of others who had to do a time work. Commanders did not nor-like. Mose of them spoke to the issue of pregnancy out of wedlock. But the number of reported pregnancies seems to exceed the number expected from married soldiers. The concars with pregnancy is primarily that of excessive lost time and mersia.

One special aspect of the pregnancy problem is that once commanders to full have experienced suitiple pregnancies exceeding expectation based on rich or opportunity to become pregnant. One commander with a doses women assigned reported that six were in different months of pregnancy at the same time. In view of the availability of oral contraceptives and abortion sarvices, there was some suspicion that pregnancies represent as intentional affort to evold the duties of a soldier. The youth and inexperience of many women soldiers also suggest confusion and carelessness at the aspense of the Army.

THE EQUAL OPPORTUNITY - MISSION EFFECTIVENESS CONFLICT

Finally, we must observe that the entire area of this research is contentious and conjused. Incre are so many crossed purposes and viewpoints that a single topic or crecers is easily lost or weet easy by special interests. Comparisons between policies and practices applied to men and women abound. Some of the Contentiousness reces totivated by ideological interests in advancing or retarding the airman of women is the himse but some of it has to do with a basic conflict between meintaining mission affectivezess and the goals of equal apportunity for women.

The condite of EDEA with mission effectiveness is not a theoretical matter. EDEA is concerned with a present threat and possibility of war today. One of the consequences of an increased number of weeks without restriction on duty (except for direct condat) was the distribution of women all over the Korean resizeula including the formula areas just behind expected battle lines.

The commence of the commence o

Equal opportunity in this distribution literally created many half-ships and inequities for women soldiers and communiers. Women were assigned in very small numbers . . . once and twos . . . an requisitions for their skills were procuseed. The concers for separate facilities . . . billets and latrices . . . arose from equal opportunity while resources were limited to mission requirements. Other problems of loss inner and adjustment to what was formerly a man's army in Korea were accontacted for vocam by the lack of apparent preparation for them. The concept of a trade-off between the goals of ECT and combat mission requirements in itself a meet difficult topic; working one out in the field in a basic conflict.

The brief discussion is suregn to suggest the heards of the many issues is this area of research. The rest of the report studiously avoids the wider issues and conflicts. The objective here is to present findings quantified in such a way that they may be used to clarify discussions and policy decisions. While the quantification may be less interesting than the conflict, it should have the advantage of providing some basis in fact together with methods for varifying of developing and facts.

COMMUNICAL A TRAIN CHITS

There were 10% commanders of unito employing woman in the smalpsis sample. This number is slightly less that the total of ill roturned questionseizes because of missing data on elements.

C: manders Ranks.

Sampling was directed toward company commanders and others directly responsible for women soldiers. Host of the commanders were Captains (60%). There were a few Lieutenants (6%), and Marrant Officers (4%). Two sergeants were in charge of separate dotachments. There were Hejors (18%), Lieutenant Colonels (7%) and five Culonels. The senior officers were responsible for large units with colonels of women soldiers. Grouped as commanders below Captain, Captain and Field Grade, these differences in rank were equally represented in the main analysis.

Acceptance of Women Soldiers.

Two-thirds of commanders reported no prior experience in command of women soldiers. This factor also balanced out in the main enalysis.

in a consideration of the control of

Acceptance of women under current conditions in EUSA was expressed by 89% of commanders, and 81% of commanders expressed acceptance under wartime conditions. When asked about increasing or decreasing current numbers of women under wartime conditions, most commanders (58%) wanted the same numbers. However, there was a real tendency for more commanders in the northern and forward areas to opt for fewer women in wartime while more cummanders in southern and rear areas opted for more women in wartime. This observed difference also balanced out in the main analysis because areas were balanced.

Geographic Locations.

Commanders' units were scattered throughout the military areas of Korea. North of Seoul, there were 21% of the units. In the Seoul-In... In the Seoul-In... In the Seoul-In... In the Seoul-In... In the Pyongtsek area, and 19% were in the far southern areas off Seoul in the Pyongtsek area, and 19% were in the far southern areas off Taegu and Busan. In the major breakdown for analysis, units were equally represented over these broad areas. This factor had no apparent influence on the major findings.

Unit Types.

Unit types were also varied. There were line and headquarters companies, command and support sections and detachments. Classified by the official Army groupings, 65% were Combat Service Support, 26% were Combat Service and 9% were Combat units. Of course, the Combat type for woman soldiers was always a higher headquarters unit. Grouped in this way, type or unit was equally represented in the main analysis groupings.

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Traditional w/s Mon-Traditional Duties for Momen.

Half of the commanders reported employing women in traditional duties for women. The other half reported num-traditional employment for women. This breakdown was based on MOS listed by commanders to describe duty assignments of women soldiers. The classification into traditional and non-traditional was based on Department of Army manpower tables reported by Saveil, Mosliel, Collins & Bentler, 1976 (See Reference List).

Meet traditional NOS in Korea were in administrative, clerical and medical areas. Nost non-traditional NOS in Korea were in law enforcement and mechanical/technical areas. With some exceptions, units amploying women traditionally were headquarters of any kind plus personnel, finance, postal, and medical units. Non-traditional employment was frequent in Hilitary Police, maintenance, signal and transportation units. But the exceptions are important since a non-traditional type of unit does not necessarily mean a non-traditional duty. Here is the reverse true. Traditional unit types may not mean traditional duty. This distinction is important since differences in the main analysis were associated with differences in traditional/non-traditional NOS assignments. These differences appeared to show how traditional and non-traditional duties varied with the numbers and percentages of women assigned to units.

Time of Survey & Location During the Alert.

About half of the commanders were surveyed before the EUSA start of August 1976. Following the illings at Pansunjon, the command was on start for about one month. No t survey returns before the alert came from the northern and central treas of Kores. After the alert, Feturns came in from the southern and central areas. This mixing of time and place made it technically impossible to sort out the impact of either the alert or location relative to the expected northern battle lines. There were too few commanders to make the necessary comperisons. However, analysis of the time-place breekdown as a source of error has shown that the major findings were sufficiently consistent to override variations associated with time and place.

This conclusion regarding major findings does not mean that the alert had no impact. Differences were observed in the results, both quantitative and qualitative. The whole survey must be considered as conditioned, for better or worse, by the alert. The analytic fact remains that the general patterns of observed differences survived the poor design of this "natural" experiment.

SORTING PRIORITY CONCERNS

Figure 1 shows how commanders written comments were sorted out in priority order. First each questionnaire was read and coded for as many areas of concern as each commander mentioned. Since the questionnaire did not give the commanders any categories but saked commanders to describe their problems, a mention was more than a check mark or a word or two. When commanders wrote about problems, they were usually careful to make themselves understood. Heny of the commanders who appear in the "no written concerns" column also wrote but they did not describe problems.

The areas of concern need little explanation. Pregnancy means lost duty time and lowered morale problems when women require maternity care or have abortions. Henstrual problems were excluded from this area and included in the medical or sick call area at priority 5. The priority is low because of low frequency of mention.

Separate facilities means billets and latrines for women.

Sex-role behavior means any traditional, stereotyped behavior which one sight expect between men and women as contrasted with either the norms of military behavior or the desired norms of equal opportunity for wen and women. There might be much discussion of the merits of military norms and feminist norms of behavior, but there is no need for it here. Commanders were very clear in describing this behavior as threatening to good military order and discipline. Among the commanders counted here, the definition is simple. It is a matter of threatening the Army's ability to get things done in a military way without preference for any one and with discipline for all.

Duty limitations is the area of concern with physical strength and isolated or hazardous duty.

The remaining "other" at priority 6 was a small variety of mixed concerns. Dependents were mentioned in the sense of minor children and of married couples as soldiers. Training in specific skills such as weapons and general preparation for duty in Kotea were included here.

Mutually Exclusive Groups With Common Concerns.

The method of successive sorting by priority concerns produced useful information about the nature of commanders' concerns. This method forced the creation of mutually exclusive groups in the sense that a person was a member of one and only one group. It also forced the identification of maximum sixed groups with at least one area of concern in common if sorting followed the order of maximum to minimum frequency of mention. The appearance of zeros in the upper right corner was the result of the method and simply showed that the groups sorted out were non-overlapping with respect to higher priority concerns. No one in the second group mentioned pregnancy and no one in the third group mentioned pregnancy or facilities.

Number of Commenders

Percentages of Concerned Commenders Within Priority Sortings Prioricy Concern Areas 3-6 No Written 7. Libert 1979, which could be considered in the 0 Concerns 1. Pregnancy . 1001 OI OI ÓZ Separate Pacilities . 131 1001 OZ OX Sex-Role Behavior . 131 5 X 65% OI Duty Limitations 171 15I 20X OZ Hedical . 91 101 LOX OI 6. Other . .

301

23

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20

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45

Figure 1. How Commanders Were Sorted By Priority Concerns

The 100% figures were also built into the method; they merely showed that each successive group had at least one thing in common. Column 3-6, identified by 0 for other, had only 65% at the top because it represented a forced composite of sortings through priorities 3 to 6. This third group was forced into resistence because meaningful analysis could not be performed on the much smaller numbers of commanders in the lower priorities. The complete sorting process is shown in Table 1 of the Technical Supplement.

But the method did not determine the actual number of commenders per group or the percentages below the underlined figures. These percentages show how often and where these groups of commanders had common concerns. These percentages cannot be added because some commanders wrote shout more than one area. But a commander was counted only once per area so they can be compared as percentages of written concern between areas and between groups. These small percentages mean that these groups had some common or shared interests between groups but the overlap was small in absolute terms. Only two to four commenders in each group of 20 to 23 wrote about problems in common.

Commanders showed remarkable single-misdedness within these groups about pregnancy and facilities. Put plainly, commanders wrote about other problems but not as such nor as commonly.

It was tempting to consider the third or Other group was equivalent to a pure "Sex-Role Zehavior" group, but it was not. Almost every one of the seven commanders in the group who did not write about sex-roles chose to write about his own pet interest. We may think of the Other group as dominated by sex-role concerns but it also included one-third mixed and minority viewpoints.

Finally, these observations of single-windedness mean that commanders did not express a general bias against women acidiers in Norse. They have expressed rather specific concerns which were not common to substantial numbers of other commanders. This implication should be noted carefully since it sets the stage for different solutions for commanders dealing with different concerns.

SORTING UNITS BY WIMEN ASSIGNED

Figure 2 shows how commander's units were sorted out by numbers and percentages of women soldiers assigned. Both numbers and percentages were based on commander's reports of the number of women assigned at the time of survey.

Numbers of women ranged from one to 40. More than two-thirds of units ranged from three to 12 women. Six women was the approximate, whole number, median; 34% of units had one to six women and 46% had more than six women.

Now Units Mere Sorted Pigure 2.

10

Percentages of women per unit were calculated from total numbers of assigned mon and women. Percentages of women ranged from less than it to 43%. Of course, the highest percentage appeared in a small-sized unit. Hore than two-thirds of the units fell in the range of three to 16%. The approximate, whole number, median was 8%; 5% of units had less than 9% women while 49% had more than 8% women.

Quadrant Breakdown.

The distribution of units was cut into quadrants by slicing through it at the medians as shown in Figure 2. The resulting four groups were labeled as follows:

H-H = High-High, above median both ways. These units so group had the largest numbers of women soldiers relative to all women soldiers in EUSA. Since the analysis sample did not contain all commanders, it was not possible to say exactly how many or what proportion of total EUSA strength in women was contained in this quadrant. However, it was estimated from the sample that one-half to two-thirds of all women soldiers in the command we're assigned to units in this quadrant.

L-L - Low-Low, below both medians. These units had the lowest relative and absolute numbers of women. About one-seventh of all EUSA women soldiers may have been assigned to units in this quadrant.

H-L w High-Low, shove median number and below median percentage. Approximately one-sixth of all women in the command may have been assigned to units in this quadrant.

L-H = Low-High, below median in number and shove median in percentage. About one-tenth of all EUSA women may have been assigned to units in this quadrant.

The average numbers, percentages and unit strengths are shown in Figure 2 merely to describe units within each quadrant. There was much variability between units around these illustrative averages. Because rounded whole number figures are presented here, readers should be very cautious about doing arithmetic to extrapolate from these stringing. Finally, caution in in order in generalizing or drawing narrowly pointed conclusions from these figures. These figures represent EUSA experience only during the summer and fall of 1976. An unknown but presumably small number of units are missing from the sample.

For the purpose of examining commander concerns as a function of of women assigned, no finer breakdown of these units was technically feasible. In any finer breakdown, the number of units would be too small to draw reasonably secure inferences. The numbers of units in the two mixed quadrants (above one median and below the other) were below practical analytic tolerances. In the detailed tables of the Technical Supplement, these two groups were sometimes pooled to be certain that small numbers did not invalidate statistical tests.

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Comparability of the Quadrante.

The possibility that these quadrant groupings were markedly different in other ways was carefully examined. In the description of the commanders and units, it was noted hat all but one survey factor had no observable influence on the main findings. What that statement means can now be clarified: all other known factors, save one, were randomly distributed within these quadrant groups. Therefore, differences in commanders' concerns associated with these quadrants cannot be accounted for by such factors as commanders' grade, experience in command of women, unit type, or, most importantly perhaps, the time-place factor generated by the alert.

The factor which was not equally represented is discussed in the next section in connection with command concerns.

CONGLANDER CONCERNS BY WOMEN ASSIGNED

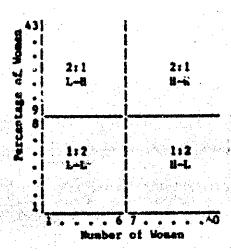
Figure 3 shows how commander concerns differed by the number and percentages of women assigned within each quadrant. The underlined figures show dependable peaks forming a ridge of most frequent concern among commanders. The valley on aither side was also dependably low. The ridge of "No Written Concern" appears to have a small dip or saddle at 201 but that observation as well as the small peak at 271 (H-L quadrant) was considered unstable because of the small numbers. The firmast conclusion can be drawn by considering the mixed quadrants (H-L and L-A) together in which case the small peak is flattened and the small valley is filled.

Traditional w/e Ron-Traditional Employment.

The one other factor not fairly matched within these quadrants should now be considered. This factor was the traditional v/s non-traditional employment of women soldiers. Almost exactly half of the commanders reported employing their assigned women in traditional HOS for women. Traditional HOS for women in Korea were mainly administrative, clerical and medical. The other half of the commanders reported non-traditional HOS, which in Korea were most often military police, other kinds of law enforcement; and mechanical/technical duties. But the proportions for units grouped by quadrants were distinctly and very dependably different from a flat lil ratio.

There was an extremely improbable pattern of ratios. Matio was defined as the number of units reporting traditional employment to the number reporting non-traditional employment, TradiNon-T.

In the quadrant breakdown, the ratios were as follows:



These ratios showed interesting relationships with assignment of women. Units with higher percentages of women tended to be traditional employers. Units with lower percentages tended to be non-traditional employers. Viewed over all units, the numbers of vomen assigned were unrelated to type of employment by units.

But the ratios were so belenced that they sharpened comparisons of commander concerns in Figure 3. The top and bottom rows, H-R and L-R, were well matched by predominant employment and the two middle rows, L-L and H-L, were well matched by a different kind of employment. But these comparisons lead to the same general conclusions because the two bottom rows show the same peak of concern with problems other than pregnancy or facilities. The net result was increased confidence in the findings. The pattern of concerns held up over variations in the employment of woman.

CONCLUSIONS

Commanders' written concerns displayed an orderly pattern of relationships with the numbers and percentages of women assigned to their units.

Commanders who had larger numbers and larger percentages of women seeigned were more often concerned about pregnancy relative to other problems and other commanders.

Commanders who had smaller numbers and smaller percentages of women sesigned to their units were more often concerned about facilities for women relative to other problems and other commanders.

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		Percentages of Commenders Within Quidrants Tority Concerns Tority Concerns Tority Concerns Tority Concerns	15 15 E	8
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mder Concerns Differed

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Commanders who had high numbers but low percentages of women and commanders who had high percentages but low numbers of women showed similar patterns of concern. These commanders were more often concerned about a variety of problems other than pregnancy or facilities for women. Must of these commanders were concerned about sex-role behaviors which they described as threatening to good military order and discipline.

Commanders who did not write expressing problems in the utilisation of women were randomly represented regardless of the numbers or percentages of women assigned to their units.

DOLICATIONS

That as many as 372 of commanders of units employing the greatest numbers of women wrote about pregnancy as a serious source of lost-time and lowered morale, implies a need to re-examine the policy of main-taining pregnant women on dury.

That facilities for women were needed is considered a problem that does not require survey research, but the findings imply a possible solution without or with less construction cost. Assigning women in small numbers between, say, 6 and 9 per unit while keeping the percentage of women down between 5% and 10% might simplify facilities without accentuating the pregnancy problem found in larger units. There was some suggestion that pregnancy is not entirely related to larger numbers of women on an actuarial basis but could reflect a morale and motivational situation requiring smaller numbers and more attention to the needs of women as they endeavor to realize the goals of equal opportunity in the Army.

Momen soldiers were doing well and were well accepted in general by commanders, but the problems stood out sharply against these good relations. More preparation for women and selective assignment rather than routine and scattered assignment is recommended to reduce the conflict between EOT and mission effectiveness.

WHEN SOLDIERS IN KOREA: COMMAND CONCERNS ABOUT PREGNANCY, PACILITIES AND OTHER ISSUES

TECHNICAL SUPPLEMENT

INTRODUCTION

The questionnaires and survey sampling procedures were fully described in the companion reporter Momen Soldiers in Morest Troop Viewpoints, Bolin, Johns & Cowings, 1977 and Women Soldiers in Morest Commander's Viewpoints, Cowings, Bolin & Johns, 1977.

The foregoing text has presented such more information about the process of research than is customary or in most cases desirable in ARI reports. The controversial nature of the topic dictates this arrangement of material. The simplest summary is in the Brief. The sumlytic process was described in fairly simple terms in the main text.

This supplement is limited to presenting analytic tables which back up the full text. These tables have been annotated to provide technical detail.

ARALYTIC TECHNIQUES

Chi-square was used throughout the analyses shown in Tables 3 to 12. Cells were pooled whenever necessary to evoid the use of small expected values. Probabilities were shown for each Chi-square to assist in evaluating the randomness of commander and unit characteristics among quadrant groups. In these tables the quadrants were identified as f-I categories.

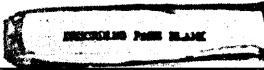


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	Command (1) (2) (3) (4) (5) (6) Columns No				7						Coment

Fotog. Disgonal entries show numbers of commanders, [o], who wrote shout each area of concern but did not comment about bigher priority areas. Numbers below the disgonal show frequencies of comment in lower priority areas by commenders in each column. Some commanders fell in more than one area so frequencies of comment do not add to [o].

Pooling of columns 3 to 6 to form a composite "other" category with a = 20 to shown in column 7.

Table 2. Joint Distribution of Units by Number and Percentage of Moore

1		, 7	er of Woods	113	Total
43	•	7-4.5 \$-21.8	7-9, 1 ₹-26.6 8 ñ-36	T-18.0 T-30.0 2	
10				i-11-6 1-12-6 11-7-7	
President of	ī-5.1	₹-4.7 ₹-5.4 17 ∓-67	7-4.2 	7-14.5 7-5.5	381
	Î-1.4	T-1.0 T-1.0	7-10.0 E-2.0		
Tota	1 173	371	313	138	1007-104

Notes. Intervals were selected to produce most searly excel proportions in marginal distributions.

Control figures are percentages of units which and to rotal percentages. I is

average member of woman per call. I is everage I of woman per rail. I is everage unit size (men a woman) per call.

Table 3. Command Priority Concerns by Frequency & Percentage of Women Soldiers in the Commander's Unit

	Frag	uencies	Concer	n			<u> </u>	Row Co	ncern
f-3	P	Y	0	N	Σ	P	<u> </u>	0	N
H-H	13	2	5	15	35	37.1	5.7	14.3	42.9
H-L	And the second	2 3 Ships Appropries	6	3	15	26.7	13.3	40.0	20.0
L-H	1.	0	8	9	18	5.6	0.0	44.4	50.0
L-L	3	16	1	18	40	12.5	40.0	2.5	45.0
	23	20	20	45	108	21.3	18.5	18.5	41.7
				Pooli	ng Off	-Diagonal	Cells		
H-H .	13	2	5	15	35	37.1	5. 7	14.3	42.9
(H-L) (L-H)	+ 5	2	14	12	33	15.2	6.1	42.4	36.4
L-L	5	16	1	18	40	12.5	40.0	2.5	45.0
	23	20	20	45	108	21.3	18.5	18.5	41.7
x ²	6.0	15.9	16.1	0.2		$\sum x^2$	38.27	• * • • • • • • • • • • • • • • • • • •	
P	0.95	0.99	0.99		-	P	- 0.99		
df	2	2	2	0		df	- 6		

Note. Concern categories are P = Pregnancy, F = Facilities, O = Other, N = None. -X categories are based on medians of frequencies and percentages of women in units sampled. fH means more than 6 women. IH means more than 8% women. f-X categories were pooled to increase small expected frequencies in computation of X².

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Table 4. Time-Place Differences Within f-I Categories

	Treque	nci	e C	10200	n	-		I By Ros	Concern	
f-X Cat	Time Place	P	¥	00	N	Σ	·	Y	0	×
	BNC	6	2	1	•	20	30.0		15.0	45.0
H-4	ASC	7	0	2	6	15	46.7	0.0	13.3	40.0
		13	2	3	15	33	37.1	5.7	14.3	42.9
	x²-	1.2	4	P -	0.46	at -				
	BNC									
(H-L)	BäC	1	2	8	8	1 19	5.3	10.5	42. 1	42.1
(L-H)						The second				
	ASC	4	0	6	•	14	28.6		42.9	28.6
		5	2	14	12	33	15.2	6. l	42.4	30.4
1.				:			•			
	x*-	1,0	0	P =	0.39	df =	2		•	
	BNC	2	10	0	5	1 17	11.8	58.8	0.0	29.4
L-L	ASC	3	6	1	13	23	13.0	26.1	4.3	36.5
· · · · · · · · · · · · · · · · · · ·		3	16	1	18	40	12.5	40.0	2.5	45.0
	x ² -			,	0.88	dt •	2			
	5° x2.	. K. 4	, ,		0.63	dt •	• 6		٠,	

Note. X2 tests were computed separately within f-I categories. Two smallest expected percentages by priority concern were combined within each category to increase small expected frequencies in X2 computation.

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Table 5. Unit Type Percentages by f-I Categories

		Unit Ty	p•	
f-1	Combat	Combat Service	Comhat Service Support	W-100X
u-ll	2.9	28.6	68.6	35
	5.0	30.0	63.0	40
H-L L-H	40.0 3.6	20.0 16.7	40.0 77.8	
Total	9.3	25.9	64, 8	108

 $x^2 = 8.39$ P = 0.92 df = 4

Table 6. HOS Type Percentages for Mosen by f-I Categories

		1	OS Type		
(-X		Traditional	Non-Traditional	N-1001	
н-н		65.7	34.3	35	
L-L		32.5	67.5	40	
H-L		33. 3	66.7	15	
L-H	*. *	66.7	33. 3	.18	
Total	-	49.1	50.9	1.08	

x2 - 12.02 P - 0.99 df - 3

Table 7. Hilitary Area Percentages by f-I Categories

		1 7						and the second second second
•				Militar	y Area			
	£-X	1	11	III	¥	VI	AII	1 N=100X
	R-#	17.1	the teles of	40.0 42.5	14.3 2.5	22.9	5.7 12.3	A0
	H-L L-H	26.7 16.7		26.7 33.3	33.3	33.3		100
	Total	20.4	0.93	38.0	12.0	22.2	6.5	1 108
	-						1.00	

v2 = 2.56 P = 0.14 df = 6

Table 8. Time-Place Percentages by f-X Categories

Time-Pl	ACB		
Before Alert - North & Central	After Alert - South & Central	1	N-100X
57.1	42.9	1	35
42.5	57.5		40
60.0	40.0		15
55.6	44.4	1	18
51.9	48.1	1	108
	Before Alert North 6 Central 57.1 42.5 60.0 55.6	Before Alert - After Alert - North & Central South & Central 57.1 42.9 42.5 57.5 60.0 40.0 55.6 44.4	Before Alert - After Alert - North & Central South & Central 57.1 42.9 42.5 57.5 60.0 40.0 55.6 44.4

x2 = 2.28 P = 0.48 df = 3

Table 9. Commander's Rank Percentages by f-X Categories

Commander's Rank							
U-100 2	HAJ LTC COL	CPT	ILT	WO .	SGT	-1	
	0.0 2.9 5.7 5.0 7.5 2.5	57.1 67.5	5.7 5.0		2. 9 2. 5		
1 6	1.3 13.3	66.7	a a Marine	• ***		L see	
					. 3		
	.7 7.4 4.6	44.4		. 7			

Table .9. Experience in Command of Women Soldiers, Percentages by f-I Categories

	Command of	Vones	Soldiere	
f-X	Prior Experience	No	Prior Experience	N-1002
ñ- H	34.3		65.7	35
L-L	27.5	•	12.5	1 40
H-L	26.7	.* .	73.3	15
L-H	50.0		50.0	18
Total	33.3		66.7	108

x2 = 3.16 P = 0.63 df =

Table 11. Acceptance of Women Soldiers Under Current Conditions, Percentages by f-X Categories

			Control of the contro	er Current			
1-2	en Distriction	er for College and A	The second second	R gradiations	Agaia	at I	Reserv
E-U			91.	The right of the second of the	e.	6	33
LL			94.	tion of the second	5.	3	38
		r për pire	- 60.	o de la companya de l	40.	. *	13
H		our er	**************************************			6	18
			Anthyri Arri			- H ₂	

X2 - Indeterminate

Table 12. Acceptance of Women Soldiers Under Martime Conditions, Percentages by f-X Categories

	Acceptance of Wo Under Westime	
£-8	7or	Against Numbers
8-6	75.0	25.0 32
L-L	83.3	16.7 40
K-L	78.6	21.4 14
L-II	88.2	11.8
Total	80.8	19.2 99

 $x^2 = 1.55$ P = 0.33 df = 3

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