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THE RELATIVE ACCEPTABILITY AND CONSUMPTION OF THE CURRENT T RATION WITH AND WITHOUT NEW BREAKFAST AND DINNER MENUS

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13. ABSTRACT (Maximum 200 words)

A seven day field test was conducted to assess ration consumption and acceptability of the current T Ration with and without two new breakfast and three new dinner menus. The test was conducted with two companies (total n=176) from the 25th Infantry Division (Light) during training exercises (June - July 1991) at Rohakuloa Training Area, HI. One Company was issued the current T ration with the new menus (Test group) and one Company was issued the current T Ration without the new menus (Control group). Both groups were issued one Meal, Ready-to-fat daily.

The Control group consumed more calories than the Test group (3174 versus 2657 kcal/day) and rated the T Ration items as more acceptable. Both groups generally met the MRTAs and neither weight loss or dehydration were problematic in either group. Consumption and acceptability of the new T ration menus was similar to the other T Rations with some of the new ration items receiving relatively high acceptability ratings and some relatively low ratings. Based on the current results and previous field studies, the T Ration appears to be a reliable, generally adequate ration. However, additional efforts are warranted to further improve consumption and acceptability of the ration.

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Preface

The data for this report were collected by investigators from U.S. Army Natick Research, Development and Engineering Center during the 25th Infantry Division's Opportune Journey 2-91 and Union Pacific '91 training exercises. Data collection took place during the period 21 June - 3 July 1991 at the Pohakuloa Training Area (PTA) on the island of Hawaii. This report encompasses nutrient and water intake, ration acceptability, and human factors issues related to the use of T Rations and the Meal, Ready-To-Eat (MRE). These were evaluated by the Soldier Science Directorate (SSD), Natick, with support from the US Army Research Institute of Environmental Medicine (USARIEM), under Project No. 1L162786AH99BFE00.

Human subjects participated in this study after giving their free and informed voluntary consent. Investigators adhered to AR 70-25 and USAMRDC Regulation 70-25 on Use of Volunteers in Research.

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Finally, we express gratitude to the officers and soldiers of the 25th Infantry Division for their support and cooperation through all phases of the study, from initial planning through final completion of data collection. At the division level BG Covault and the Division Food Adviser, CW3 Hill, provided essential support. At the Battalion level we particularly wish to thank LTC Adamczyk, MAJ Fowler, 1LT Reed, CPT Barry, CPT Howell, 1SG Riveranadal, 1SG Maez, and SFC Choi for their consistent patience and cooperation in the day-to-day efforts needed to complete the study successfully.

THE RELATIVE ACCEPTABILITY AND CONSUMPTION OF THE CURRENT TRATION WITH AND WITHOUT NEW BREAKFAST AND DINNER MENUS

Introduction

The T Ration is designed for feeding groups of soldiers and is packed in 36-person, modular units containing all elements of a given menu. Single menu items are contained in rectangular metal cans half the size of a standard steam table tray and hold 12 to 18 servings of an entree, vegetable, starch, bread, or dessert. The thin, flat-tray shape permits rapid heating and can be heated in a variety of ways. This enables a minimum number of food service personnel to quickly transport a hot meal to the front lines and distribute it by serving right out of the cans (Meyer and Klicka, 1982). The current (FY90) version provides a 10-day menu cycle which includes two T Ration meals. The third daily meal is typically either a Meal, Ready-to-Eat (MRE) or another operational ration.

Early acceptance tests of the initial versions of the T Ration yielded promising results which are detailed by Gagne et al. (1988). Findings from the first comprehensive field test of the T Ration during an operational exercise (Combat Field Feeding System, Vol. I, II, and III, 1986 (CFFS)), as well as other user assessments (Gagne et al., 1988), led to a series of implemented modifications. These modifications were subsequently tested in a 14-day field test comparing the FY89 and FY90 versions of the Tray Ration (Salter et al., 1991). consumption for both the FY89 and FY90 versions averaged approximately 2900 calories per day and most nutrients were consumed at or above the recommended levels. A majority of the ration items were liked slightly or better. Results from this comprehensive evaluation (Salter et al., 1991) indicated that neither ration acceptance, ration consumption, body weight loss, or hydration status differed as a function of T Ration version. In addition, it was noted that the 10-day cycle for the 1990 T Ration did not have any detrimental effects on consumption or acceptability relative to the 14 day 1989 cycle. In comparison to earlier versions of the T ration (e.g. CFFS, 1986), the rations received more favorable ratings, had a modest increase in consumption, and overall showed improvement.

The present 7-day test replicated the methodology of Salter et al. (1991) in order to compare the FY90 T Ration to a newer FY90 version. The most recent FY90 version contained different menu items including two new breakfast and three new lunch/dinner menus. The test also provided additional information on items new to the original FY90 T Ration.

Objectives

The purpose of this field test was to compare the original FY90 T Ration to the newer FY90 T Ration which had different menus (two new breakfast and three new lunch/dinner meals). Specific questions addressed included:

1. How well did intake of the two ration versions meet the

Surgeon General's Military Recommended Dietary Allowances (MRDA, 1985) for protein, vitamins, minerals, fat, and energy?

2. How did the two ration versions compare on soldiers' nutrient intake, weight loss, and hydration status?

3. What were troop opinions of the two ration versions and, in particular, how were the new menu items received?

Methods

Test Design

This field test primarily focused on comparing T Ration versions in terms of consumption and acceptance. Additional complementary measures (e.g. body weight, urine specific gravity) were also collected. The data collection schedule was coordinated with the participating units and kept as brief as possible to minimize interference with the training exercise. The present report is based on data collected after breakfast on the first day of the training exercise through breakfast of the seventh day.

Test Site

The test site was the Pohakuloa Training Area (PTA) on the island of Hawaii. Pohakuloa is a remote site with rugged terrain located at approximately 6,000 feet. Daily high and low temperatures ranged between 70 and 40 degrees Fahrenheit. The Air Force Weather Station recorded only traces of rainfall in PTA during the time of the study. Each company also trained for two to three days in a more tropical site neighboring PTA. At this more tropical site rainfall was heavier (i.e. frequent light showers), but the amount of rainfall was not recorded. The same sites were also employed for the two previous major field tests of the T Ration (CFFS, 1986; Salter et al., 1991); these sites offered the advantage of temperate climate, (reducing the potential complications of extreme temperatures on hydration status and food intake) and remote location (resulting in little opportunity for obtaining non-ration foods).

Test Subjects

The troops that participated in this study were two companies of regular Army soldiers from the 25th Infantry Division. This division routinely engages in long-term field training exercises at the PTA. Two intact companies were used in order to take advantage of the standard chain of command and to avoid the problem of serving different rations to soldiers within the same company. The two companies engaged in the same three training components with the only difference being the sequence of these components. Both companies were "moderately" physically active during the test.

All available soldiers in each company (approximately 80 soldiers apiece) completed the pre- and post-test questionnaires. A subset of 40 soldiers from each company provided detailed data regarding ration intake, ration acceptability and body weight. Daily urine samples for hydration assessment were also collected from this subset of

subjects. Ten subjects out of each subset of 40 also participated in a focus group discussion of the rations.

Pretest Briefings

Prior to the training exercise, a briefing was held for battalion leaders, company commanders, and food service personnel at Schofield Barracks on the island of Oahu. The purpose, design, and requirements of the test were presented. Commanders were requested to refrain from influencing the soldiers' responses to the rations.

Pretest briefings were conducted separately for each of the two companies five days before the test began. The groups were briefed about the measures to be obtained and the time involved in the daily schedule of data collection. Troops were shown the Flameless Ration Heater (FRH) and were given brief instructions in its use for heating MRE Entrees. Following a question and answer period, individuals were requested to read and complete the Volunteer Agreement Affadavit (Appendix A). explained to the troops that if they declined to volunteer or decided later to withdraw from the test, they would still be fed the same food and participate in their company's training to the same extent as test subjects. It was further explained that withdrawal from the data-collection effort would not result in any penalty. At this point, all volunteers completed a Background Questionnaire (Appendix B) and then returned to their duties.

Two subgroups of soldiers, (approximately 40 volunteers from each company), returned for additional briefings 2 days prior to the start of the test. Subjects met daily with the same data collector (about 8 subjects/data collector) throughout the study. These subjects were informed that data collection would include data on food intake, acceptability ratings, urine samples, and measures of body weight. Data collectors also distributed other non-ration supplies for the first day of the test. The data collector restated the test goals and requirements, repeated the usage instructions for the FRH, and provided detailed instruction for completing the daily MRE intake records (Appendix G). Troops were given a chance to examine the FRH and were encouraged to ask questions regarding the heater, the intake records, or any other aspect of the test.

Test Supplies and Distribution

The test lasted for a period of one week. Data collectors were on-site throughout both of the daily T Ration meals.

Rations. The study was designed such that each soldier received two T Ration meals (breakfast and dinner) and one MRE (lunch) per day for the duration of the study. One company (Control Group) received menus from the FY90 T Ration (Table 1) and the other company (Test Group) received the five new menus in addition to menus drawn from the FY90 T Ration (Table 2). As in past exercises, distribution of the planned ration items was incomplete. The majority of these deficiencies during T Ration meals were shortages of minor components such as salad dressings

Table 1. Control Group Menus

HEAKFAST

1. OMELET W/BACON PIECES

Pork Sausages Canned Peaches Fresh Fruit Grape Juice

Oereal, bread, milk, coffee, cocca

2. WESTERN OMELET

Ham Slices Carned Peaches Fruit Cocktail Fresh Fruit Apple Coffee Cake Bread Pudding w/Syrup

Grane Juice

Oat al, cereal, bread, milk, coffee, cocca

3. OMELET W/BACON PIECES

Porck Sausages

Fruit Cocktail, Pears

Fresh Fruit Apple Coffee Cake Orange Juice

Cereal, bread, milk, coffee, cocca

4. OMELET W/SAUSAGE & POTATOES

Hem Slices
Fresh Fruit
Grape Juice
Blueberry Cake
Oatmeal, cereal, bread, milk, coffice, cocca

5. WESTERN OMELET

Ham Slices
Peaches
Fresh Fruit
Orange Juice
Oatmeal, cereal, bread, milk, coffee, cocca

6. CREAMED GROUND HEEF

Potatoes W/Butter Sauce

Carned pears Fresh Fruit Orange Juice

Catmeal, cereal, bread, milk, coffee, cocoa

DINNER

1. LASAGNA

Green Beans

Fruit Cocktail, Fresh Fruit

Salad

Grape Beverage, cocoa

Bread, milk, coffee, pearut butter, jelly

2. TURKEY SLICES

Potatoes w/Butter Sauce

Green Beans

Pears

Fresh Fruit

Salad

Pound Cake

Lemon-Lime and Grape Beverage

Bread, milk, coffee, pearut butter, jelly

3. HEEF POT ROAST

White Rice Mixed Vegetable

Fruit Occkrail, Fresh Fruit, Salad

Chocolate Cake Grape Beverage

Bread, milk, coffee, peanut butter, jelly

4. HAMBURGER PAITLES

Beans and Bacon Sauce

Fruit Cocktail, Fresh Fruit, Salad

Cheese Spread Orange Beverage

Bread, milk, coffee, pearut butter, jelly

5. CHICKEN CACCIATORE

Potatoes & Bacon Sauce

Green Beans, Chocolate Pudding Fruit Cocktail, Fresh Fruit, Salad

Lemon-Lime Beverage

Bread, Milk, coffee, pearut butter, jelly

6. LASAGNA

Green Beans

Fruit Cocktail, Fresh Fruit

Salad

Grape Beverage, cocoa

Bread, milk, coffee, peanut butter, jelly

Table 2. Test Group Menus

HREAKFAST

1. QMETET W/SAUSAGE AND POUNTOES

Ham Slices Fresh Fruit Blueberry Cake Grape Juice, cereal Oatmeal, bread, milk, coffee, cocca

2. PORK PATTIES Bisquits **Peaches**

Cinnamon Crumb Cake

Orange Juice Hot Sauce

Milk, coffee, cocca

3. BREAD PUDDING

Maple Syrup

Ham Slices

Fruit Cocktail

Fresh Fruit

Apple Coffee Cake

Orange Juice

Bread, cereal, milk, coffee, cocca

4. CREAMED CHIPPED BEEF

Risquits

Cinnamon Crumb Cake

Fruit Cocktail

Fresh Fruit

Orange Juice

Cereal, bread, milk, coffee, cocoa

5. WESTERN CMELET

Ham Slices

Peaches

Blueberry Cake

Orange Juice

Oatmeal, bread, milk, coffee, cocca

6. OMELET W/SAUSAGE AND POTATOES

Ham Slices

Fresh Fruit

Blueberry Cake

GrapeJuice

Oatmeal, cereal, bread, milk, coffee

Cocca, peanut butter, jelly

* NEW MENUS

DINNER

1. LASAGNA

Green Beans

Fruit Cocktail, Fresh Fruit

Chocolate Brownie Cake

Grape Beverage, cocoa

Bread, milk, coffee, pearut butter, jelly

2. CHICKEN BREAST PAITITES*

Rolls

Whole Kernal Corn

Fresh Fruit, Salad

Chocolate Crumb Cake

Grape and Lemon-Lime Beverages

Bread, milk, coffee, peanut butter, jelly,

3. HEEF POT ROAST

White Rice

Peas and Carrots

Fresh Fruit

Salad

Chocolate Cake

Grape Beverage

Bread, milk, coffee, pearut butter, jelly

4. BONELESS BBQ PORK RIBS*

Rolls

Whole Kernal Corn

Fresh Fruit, Salad

Marble Crumb Cake

Lemonade, Cherry and Grape Beverages

Milk, coffee, peanut butter, jelly, hot sauce

5. HAMBURGER PAITTIES

Rolls

Beans w/Bacon Sauce

Fruit Cocktail, Fresh Fruit, Salad

Cheese Spread, Ketchup, Mustard, Relish

Orange Beverage, bread, milk, coffse, cocoa

6. CHICKEN CHOW MEIN*

Oriental Rice

Green Beans

Peaches, Fresh Fruit, Salad

Chocolate Crumb Cake

Orange and Lemon-Lime Beverages

Bread, milk, coffee, pearut butter, jelly

or having one as opposed to two flavors of milk or bread. In the Test group, oatmeal was typically not available at the breakfast meals and food service personnel were able to offer only one pork rib serving at that dinner meal rather than the planned portion of two servings. When served the hamburger dinner meal, soldiers in the Control group were not provided the planned hamburger rolls or condiments.

Additional supply constraints stemmed from a concurrent MRE test. MRE VIII and MRE X distribution problems resulted in the availability of only six of the 12 menus (Table 3). Nutrient content for each ration type is provided in Appendices C-E.

Table 3. Menus in the Meal, Ready-to-Eat

 Corned Beef Hash Jelly Oatmeal Cookie Bar Beverage Base

Crackers Fruit Cocoa Accessory Pack

2. Chicken Stew Peanut Butter Cocoa Candy

Crackers Fruit Beverage Base Accessory Pack

3. Omelet with Ham Potatoes au Gratin Cocoa Accessory Pack

Crackers Oatmeal Cookie Bar Beverage Base

4. Chicken ala King Peanut Butter Cocoa Accessory Pack

Crackers Fruit Beverage Base

5. Beef Stew Peanut Butter Beverage Base

Crackers Cherry Nut Cake Accessory Pack

6. Meatballs with Rice and Sauce Crackers Peanut Butter Chocolate Covered Cookie Accessory Pack

Fruit Beverage Base

Flameless Ration Heaters. Each soldier received one FRH per day for heating MRE entrees.

Other Supplies. At each daily breakfast meeting, data collectors supplied subjects with a new trash bag for collection of MRE waste and a new MRE intake record.

Data Collection Procedures

Dependent Measures

Table 4 lists the dependent measures obtained, the frequency with which they were taken, and from whom they were obtained.

Table 4. Dependent Measures

| Dependent Measure | Frequency | Number |
|--------------------------|-----------------|------------------|
| Background questionnaire | Once | Entire company |
| Body Weight | 5X (d1,2,4,6,7) | 40 Volunteers/Co |
| Urine Sample | 5X (d1,2,4,6,7) | 40 Volunteers/Co |
| Ration/Water Consuption | Daily | 40 Volunteers/Co |
| Acceptability Ratings | Every Meal | 40 Volunteers/Co |
| Final Questionnaire | After Last Meal | Entire Company |
| Focus Groups | Once | 10 Volunteers/Co |

<u>Background Ouestionnaire</u>. Soldiers completed basic demographic information on this questionnaire (Appendix B) at the initial briefing.

Body Weight. In both companies, body weight measures were taken from the 40 volunteers on five days of the study according to the schedule in Table 4. Body weight was measured on battery operated SECA Compact, Floor Model Digital Scales (model 770). Wooden boards were used in the field to level the scales. Scales were professionally calibrated prior to the study and periodically checked at base camp using 25-pound weights. Data collectors used the same scales throughout the study to avoid any inconsistencies due to differences between the body weight scales. Soldiers were requested to remove items such as helmets, weapons, web-gear, and gas masks before being weighed and data collectors used a weight checklist (Appendix F) to note remaining garments such as BDU's, undergarments, and shoes.

Hydration Status. Urine samples were also collected on five occasions. Water intake (plain water, water added to the MRE, and T Ration beverages) was recorded throughout the study by soldiers on the daily MRE Intake Records (Appendix G) and by data collectors at the two T Ration meals. Hydration status was assessed by measuring the urine specific gravity (USG) of aliquots of the first voided urine of the morning with an American Optical Reichert Total Solids Meter (refractometer).

Ration Consumption. Daily consumption from all sources was measured for each of the 40 volunteers from the two companies. MRE intake was recorded with a daily MRE Intake Record (Appendix G) on which soldiers had been trained before the study began. MRE Intake Records were collected during breakfast each day along with all MRE leftovers and wrappers for later comparison to the daily logs. Data collectors reviewed the logs for completeness and resolved discrepancies between trash and the log by consulting with the subjects.

Prior to the field test, all food servers were trained to issue standard portion sizes of T Ration menu items. As each soldier was served, data collectors visually estimated portion sizes of the T Ration items. After each soldier had eaten, the data collector then visually estimated the amount of food leftover and all data was recorded on the T Ration Plate Waste form (see Appendix H). Previous studies have indicated that visual estimation of platewaste by trained data collectors is a reliable and valid method (Dubois, 1990; Rose & Carlson, 1986).

Ration Acceptability. The troops were asked to rate each menu item they tried on a standard 9-point hedonic scale where 1 corresponds to 'dislike extremely', 5 is 'neutral', and 9 corresponds to 'like extremely.' Troops were familiarlized with this rating scale during the pre-test meeting with the data collectors. The same 40 volunteers in each company rated food acceptability of the MRE and T Ration on daily logs handed out at each meal (see Appendix I for sample forms).

<u>Final Questionnaire</u>. At the end of the study, the entire company completed a detailed questionnaire (Appendices J-K) to determine the strengths and weaknesses of the T Ration.

Flameless Ration Heater Questionnaire. A subset of soldiers also completed a questionnaire on the FRH (Flameless Ration Heater) used to heat MRE entrees (Appendix L). The questionnaire was developed by the Manprint office at Natick and has been used extensively in prior evaluations of the FRH.

Focus Group Discussion. A focus group was conducted during the last two days of the study with 10 enlisted soldiers from each company who volunteered to participate for approximately one hour. Groups sat in a cluster with an investigator who facilitated discussion of open-ended questions about the ration and encouraged all members to share their positive and negative reactions to the rations.

Results

Sample Demographics. Table 5 summarizes the demographic characteristics of the two companies in terms of average age, rank, length of service, height, weight, and region of origin. Chi-square and t-test analyses revealed that the two companies were similar on most of these dimensions. The mean age was about 23 years and approximately half of the participants in each group were enlisted men with a rank of E-3 or less. Forty-eight percent of the participants had served in the U.S. Army two and 1/2 years or less. The groups were similar in average height and weight. The highest percentage of subjects were from the North and South Central regions of the United States. More soldiers reported avoiding specific foods for medical or personal (e.g. religious or health concerns) reasons in the Control group (19.3%) than in the Test group (6.8%) [Chi Square=5.28,df=1,p<.05].

Table 5. Demographics for the Test and Control Groups*

| Group | <u>Test</u> | Control |
|---------------------------|---------------|--------------|
| И | 88 | 88 |
| Age (yrs.) | 23.8 (4.8) * | 23.1 (4.6) |
| Length of Service (yrs.) | 3.1 (3.1) | 3.7 (3.9) |
| Height (in.) | 70.1 (2.7) | 70.3 (3.1) |
| Weight (lb.) | 174.8 (26.6) | 169.7 (21.2) |
| Trying to Lose Weight (%) | 35.2 | 25.0 |
| Trying to Gain Weight (%) | 20.5 | 31.7 |
| Food Avoidance (%) | 6.8 | 19.3** |
| Ethnic Group (%) | | |
| Caucasian | 63.6 | 64.8 |
| Afro-American | 20.5 | 17.0 |
| Hispanic | 10.2 | 12.5 |
| Other | 5.7 | 5.6 |
| U.S. Region of Origin (%) | | |
| Northeast | 4.5 | 1.1 |
| Mid-Atlantic | 10.2 | 13.6 |
| South Atlantic | 14.8 | 19.3 |
| North Central | 33.0 | 22.7 |
| South Central | 15.9 | 21.6 |
| Mountain | 3.4 | 5.7 |
| Pacific | 12.5 | 8.0 |
| Other | 4.5 | 4.5 |
| Rank (%) | | |
| E1 - E3 | 44.3 | 50.0 |
| E4 - E6 | 50.0 | 44.2 |
| E7 - E9 | 2.3 | 2.3 |
| 01 - 04 | 3.4 | 4.5 |

^{*} Numbers in parentheses are standard deviations.

^{**} Food avoidance referes to avoiding foods for health or personal reasons; Chi-square (1, N=176) = 5.82.

Body Weight. Table 6 shows the subjects' body weights during the study and the amount of weight lost during the exercise. Initial body weight was higher in the Test group than the Control group, but this difference was not significant. Repeated measures analysis of covariance revealed a significant time by group interaction (F(3,195) = 3.98, p<.01) using day two body weight as covariate. Further analysis revealed this effect was due to a higher rate of weight loss in the Control group. Although the pattern of weight change was different in the two groups, average weight loss was small and did not differ between the groups (Table 6).

Office of the Surgeon General (OTSG) guidance suggests that troops should not lose more than 3% of their initial body weight during field operations. Both the Test and Control ration groups met this criterion; the mean percentage of weight loss was well below 3% (the Test group lost .51%, while the Control group lost 1.2%). There were some subjects in each group (7.7% of subjects (n=3) in the Test group, and 20.5% of the subjects (n=8) in the Control group) who lost 3% or more of their body weight during the field test. It should be noted however, that 4 of the 11 subjects who lost 3% or more of their body weight reported that they were trying to lose weight.

Table 6. Changes in Mean * Body Weight

| | Test Group | Control Group | |
|---------------------|------------------|---------------|--|
| N | 39 | 39 | |
| Initial weight (lb) | 170.0 (26.6) | 168.4 (24.6) | |
| Final weight (lb) | 170.0 (26.2) | 168.4 (23.3) | |
| Weight Loss (lb) | 9 (1.8) | -2.1 (3.2) | |
| Percentage Loss | 5 (1.1) | -1.2 (1.9) | |

Numbers in parentheses are standard deviations.

On average, both groups reported being moderately active throughout the study. Mean daily activity levels were similar for both groups except for day 6 when the control group was somewhat more physically active (moderate to heavy activity) than the test group (moderate activity) ($\underline{t}(71) = 3.8$, $\underline{p}<.01$).

Ration Consumption and Nutrient Intake. Calorie and nutrient intake were computed on the basis of the food intake records and the known caloric and nutrient composition of the rations. The separate nutrient intakes for each of the three meals were combined to calculate the average total nutrient intake per day for each ration group. Figure 1 presents total calorie intake for both ration groups across each of the six days of the study. The Control group consistently consumed more throughout the study; significantly more of the rations were consumed on days one $(\underline{t}(67) = 4.46, \underline{p}<.001, two (\underline{t}(72) = 2.78, \underline{p}<.01), three <math>(\underline{t}(75) = 5.59, \underline{p}<.001)$, four $(\underline{t}(74) = 3.46, \underline{p}<.001)$ and six $(\underline{t}(72) = 2.69, \underline{p}<.01)$. Table 7 shows the average daily intake of energy, macronutrients, micronutrients and the percentage of

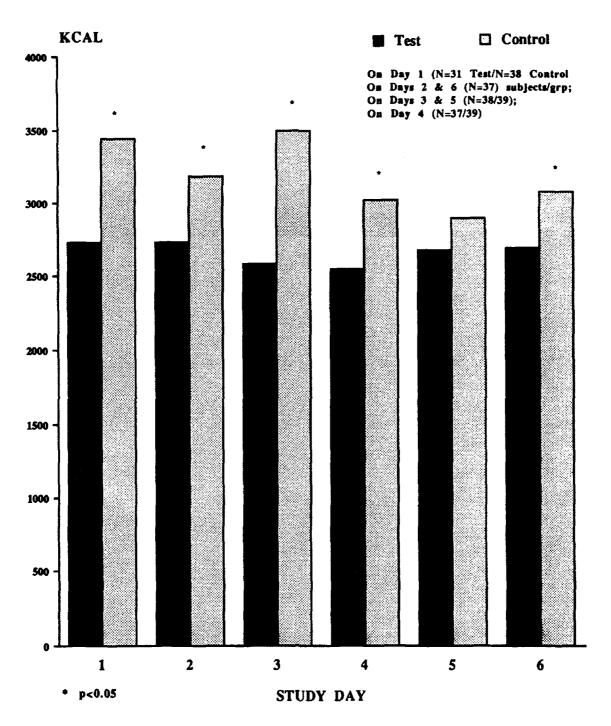


Figure 1. Total Energy Intake Across Days

Table 7. Average Daily Nutrient Intake Compared to MRDA

| Nutrient | <u>Test</u> | Control | <u>t</u> | df | MRDA |
|----------------------|-------------------|---------|----------|----|----------|
| Energy (kcal) | 2657* | 3174 | 4.37 | 76 | 2800 |
| Protein (g) | 119 | 144 | 5.24 | 76 | 100 |
| Fat (g) | 96* | 117* | 4.46 | 76 | 120 |
| Carbohydrates(g) | 335 | 391 | 3.42 | 76 | 330 |
| Vitamin A (mcg RE) | 5670 | 7351 | 3.57 | 76 | 5000 |
| Thiamin (mg) | 3.2 | 3.8 | 2.92 | 76 | 1.8 |
| Riboflavin (mg) | 2.71 | 3.28 | 4.30 | 76 | 2.2 |
| Niacin (mg NE) | 28.6 | 35.5 | 5.62 | 76 | 24 |
| Vitamin B6 (mg) | 3.69 | 5.00 | 3.82 | 76 | 2.2 |
| Vitamin B12 (mcg) | 2.22* | 2.75* | 5.05 | 76 | 3 |
| Vitamin C (mg) | 151 | 156 | ns | | 60 |
| Sodium (mg) | 4765 [*] | 5701 | 4.76 | 76 | 5000 |
| Potassium (mg) | 3200 | 4157 | 6.08 | 76 | 1875 |
| Iron (mg) | 33.5 | 40.0 | ns | | 18 |
| Calcium (mg) | 1140 | 1531 | 5.24 | 76 | 800 |
| Phosphorus (mg) | 1737 | 2175 | 4.87 | 76 | 800 |
| Magnesium (mg) | 261 | 339* | 5.68 | 76 | 400 |
| Zinc (mg) | 14.5 | 15.7 | 2.09 | 76 | 15 |
| Chlorine (mg) | 8.41 | 9.57 | 3.39 | 76 | = |
| Folacin (mcg) | 303* | 408 | 6.71 | 76 | 400 |
| Vitamin E (mg) | 13.8 | 14.6 | ns | | 10 |
| Cholesterol | 414 | 456 | ns | | - |
| Ash | 15.7 | 18.6 | 4.32 | 76 | - |
| Protein Cal. (%) | 17.8 | 18.1 | ns | | - |
| Fat Calories (%) | 32.2 | 32.9 | ns | | 40 max |
| Carbo. Cal. (%) | 49.9 | 49.1 | ns | | 50-55 |
| Sodium (mg/1000kcal) | 1806 | 1809 | ns | | 1700 max |

[&]quot; Nutrient intake did not meet MRDA.

calories derived from protein, fat and carbohydrates for the two groups. Between group differences are noted, and intakes that fall below the MRDA requirements (Departments of the Army, the Navy, and the Air Force, 1985) are indicated by asterisks (p<.05; one-tailed t-test).

The average daily energy intake for the Control ration group (3174 kcal) was significantly higher than the energy intake (2657 kcal) of the Test group (t(76) = 4.37, p<.0001). Caloric consumption of the Control group exceeded the minimum MRDA for total energy intake under moderate work conditions in a temperate environment (minimum MRDA = 2800 kcal), while the Test groups' average daily energy intake fell below the minimum MRDA. Intake of grams of protein, carbohydrate, and fat were all significantly greater in the Control than the Test group. Although the daily mean intake in grams of fat was significantly below the MRDA for both ration groups, macronutrient consumption (protein, carbohydrate, and fat) as a percentage of calories

t value refers to significant difference between ration groups.

In general, intake of the micronutrients met the MRDA levels for both ration groups. Relative to the Test group, the Control group consumed more of all of the listed micronutrients with the exception of vitamin C, iron, and cholesterol. While similar amounts of vitamin B12 and magnesium were consumed by both ration groups, total intake of B12 and magnesium were below the recommended MRDA. In the Test group, zinc and folacin were also below MRDA.

Intake for T Ration Breakfast Menus. Table 8 summarizes the average nutrient intake of T Ration breakfast items for the Test and Control groups. On average, the Control group consumed 230 more calories during the breakfast meal than the Test group $(\underline{t}(76)=4.68, \ \underline{p}<.001)$; their additional energy intake was comprised of more grams of protein $(\underline{t}=4.26)$, fat $(\underline{t}=5.26)$, and carbohydrate $(\underline{t}=3.65)$. However, when macronutrient breakdown is

Table 8. Average Nutrient Intake at Daily Meals

| Meal | <u>Test</u> | Control | <u>t</u> | <u>df</u> |
|------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------|--------------------------------------------|----------------------------------------|
| Breakfast T Ration | | | | |
| Energy (kcal) Protein (g) Fat (g) Carbohydrates (g) Protein Cal. (%) Fat Calories (%) Carbo.Cal. (%) | 870 38 28 119 17.5 28.8 53.7 | 1100 47 38 146 16.8 30.7 52.5 | 4.68 4.26 5.26 3.65 ns 1.99 | 76 76 76 76 76 76 76 |
| Dinner T Ration | | | | |
| Energy (kcal) Protein (g) Fat (g) Carbohydrates (g) Protein Cal. (%) Fat Calories (%) Carbo.Cal. (%) | 912 43 32 115 18.9 30.9 50.2 | 1143 57 40 141 19.9 31.1 48.9 | 6.20 8.16 5.41 4.76 2.42 ns | 76 76 76 76 76 76 |
| Meal, Ready-to-Eat | | | | |
| Energy (kcal) Protein (g) Fat (g) Carbohydrates (g) Protein Cal. (%) Fat Calories (%) Carbo.Cal. (%) | 876 38 36 101 17.9 37 45.1 | 931 40 39 105 17.1 37.2 45.8 | ns ns ns ns ns ns | 76 76 76 76 76 76 76 |

examined in terms of percent of total calories consumed, there were no significant differences between groups.

Intake for T Ration Dinner Menus. Table 8 also shows that for the dinner T Ration, the Control group consumed 231 more calories per day on average than the Test group ($\underline{t}(76)=6.2$, $\underline{p}<.001$). Relative to the Test group this increased consumption by the Control group was in the form of more grams of protein ($\underline{t}=8.16$), fat ($\underline{t}=5.41$), and carbohydrate ($\underline{t}=4.76$). A significantly greater percentage of calories as protein was consumed by the Control group than the Test group ($\underline{t}(76)=2.42$, $\underline{p}<0.018$).

Intake for MRE Menus. Table 8 summarizes the average nutrient intake of MRE items for the Test and Control groups. Neither total energy intake nor macronutrient intakes differed between the two groups.

Hydration Status. Hydration status reflects the balance between the amount of body water lost in sweat, wrine, feces and expired air and the total amount of water consum from food, plain water and other beverages. Urine specific gravity (USG) measures concentrations of metabolites and other solutes in the urine, and is used as an indicator of hydration status. Hydration status was assessed on days 1, 2, 4, 6 and 7 by measuring urine specific gravity on first morning void urine samples.

Results of the mean daily USG are presented in Figure 2. Specific gravities above 1.030 are considered elevated, indicating that the individual is not optimally hydrated. Variations in specific gravity below this criterion indicate changes in hydration status but are considered within the normal range. Fully hydrated individuals have urine specific gravities in the range of 1.015 - 1.022 (Fischbach, 1984). There were no significant differences on any day between Test and Control groups. Mean USG for the total period of the study were identical (1.023) for both the Test and Control groups. The means for the two groups were not significantly different on any day, and the mean values were slightly above normal ranges but not indicative of hypohydration.

<u>Water Intake</u>. Total water intake for each person is composed of intake from three sources: the water contained in the food, the water added to food or beverage powders and the amount of plain water consumed. Table 9 shows the average daily water intake from each source and the total water intake for the two groups.

Relative to the Control group, the Test group drank more plain water and also added twice as much water to rehydrate MRE items. The higher levels of water in the food of the Control group reflect the fact that this group ate a larger quantity of the T Ration (breakfast and dinner) meals than the Test group. Although there was a trend toward greater total consumption of water by the Test group ($\underline{t}(57) = 1.92$, $\underline{p}<.06$), this appears to be of little consequence as both groups were adequately hydrated when tested daily for urine specific gravity.

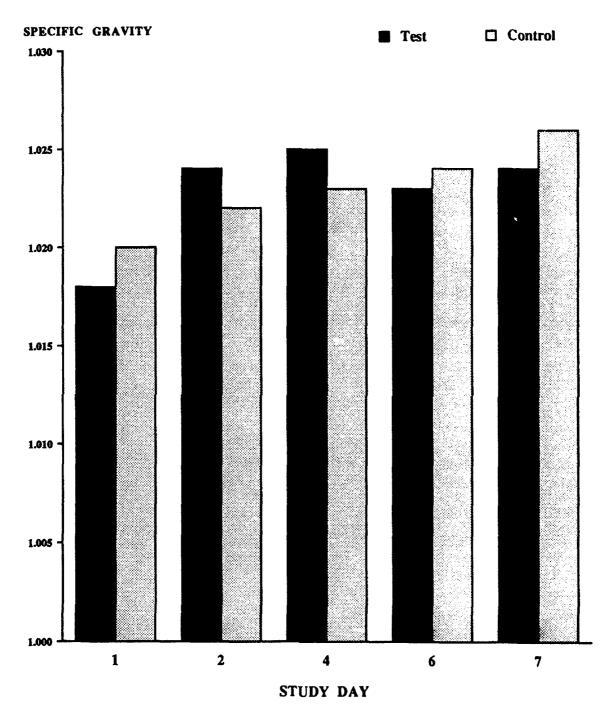


FIGURE 2. Urine Specific Gravity Across Days

On average, subjects in both the Test (N=80) and Control (N=83) groups reported that it was "neither easy nor difficult"

Table 9. Daily Mean Water Intake*

| | Test Group | Control Group | ţ | <u>df</u> | p |
|---------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------|-----------|--------------|
| WATER SOURCE Food (L) Added to MRE (L) Drinking (L) Total (L) | 1.52 (.38) .26 (.31) 2.93 (1.5) 4.71 (1.8) | 1.92 (.29) .13 (.16) 2.02 (.73) 4.07 (.91) | 5.37 2.43 3.35 1.92 | 76 55 | 0.02 0.01 |

numbers in parentheses are standard deviations.

to obtain water. Five gallon cans were the most frequently used source for water in both the Test (86.3%) and Control (97.6%) groups. The Test group also reported obtaining water from a water buffalo.

Ration Acceptability. The average acceptance ratings of each food item (1="dislike extremely", 5="neither like nor dislike", and 9="like extremely") for the Test and the Control groups are shown in Tables 10 to 12 and reflect acceptance of the items as rated at the end of the exercise on the Final Questionnaire. There were some differences on mean acceptability ratings of foods common to both groups and these are noted with corresponding t values (p<.05). Acceptance ratings obtained in the field are shown in Appendices M-O, and as in previous studies, field ratings are higher than acceptance ratings based on the final questionnaire. Analyzable ratings for both the T Ration and the MRE meals are limited to those items which were consumed by 10 or more soldiers in either the Test or Control groups. A rating of 6.0 indicates that the item was "liked slightly"; for the purposes of evaluation and discussion this 6.0 rating was used as a pivotal criterion reflecting a "more positive than neutral" rating of food items.

Acceptability of the Breakfast T Rations. Of the 27 items in the Test breakfast T Ration, 63% (n=17) of the items received a rating of 6.0 or higher (liked slightly or better). The new cinnamon crumb cake as well as apple coffee cake, wheat/white bread, fruits and cereals were among the most popular items.

None of the test breakfast entrees were rated a 6.0 or greater. Most of the breakfast entrees were rated between 5.1 and 5.6 (above "neutral" but below "liked slightly") by the Test group. Of the two new breakfast entrees, only pork patties were rated above neutral (5.6), bread pudding and creamed chipped beef receiving the lowest ratings (3.5 and 4.5 respectively). Other items rated less than 6.0 included the biscuits, blueberry cake and white milk. The Test group did not receive sufficient oatmeal to provide reliable acceptability ratings. The low

Table 10. Final Questionnaire Acceptability of T Ration Breakfast Items

| | Test G | roup | Contro | l Group | | |
|-------------------------------|--------|------|--------|---------|------|-----|
| | MEAN | SD | MEAN | SD | t | đf |
| ENTREES | | | | | | |
| Western Omelet | 5.2 | 2.2 | 6.8 | 2.0 | 4.27 | 135 |
| Omelet w Sausage and Potatoes | 5.5 | 2.0 | 5.8 | 2.3 | ns | - |
| Bread Pudding | 3.5 | 2.5 | 4.5 | 2.8 | 2.10 | 115 |
| Omelet W\ Bacon Pieces | - | _ | 6.2 | 1.8 | - | - |
| Pork Patties | 5.6 | 2.4 | - | - | - | - |
| Creamed Chipped Beef** | 4.5 | 2.5 | - | - | - | _ |
| Creamed Ground Beef | - | - | 5.4 | 2.5 | - | - |
| Omelet w\ Bacon and Cheese | - | | 5.9 | 2.5 | - | _ |
| Potatoes w\ Bacon Pieces | 5.1 | 2.4 | 5.9 | 2.1 | _ | - |
| Hem Slices | 5.6 | 2.1 | 4.8 | 2.4 | 2.24 | 155 |
| Pordk Sausage Links | - | - | 7.0 | 2.0 | - | |
| STARCHES | | | | | | |
| Wheat Bread | 6.7 | 1.9 | 7.3 | 1.8 | ns | *** |
| White Bread | 6.5 | 1.9 | 7.2 | 1.6 | 2.41 | 154 |
| Biscuits" | 3.7 | 2.5 | - | - | _ | _ |
| Apple Coffee Cake | 6.1 | 2.4 | 5.9 | 2.5 | ns | _ |
| Blueberry Cake | 5.3 | 2.5 | 7.3 | 2.1 | 5.31 | 150 |
| Cinnamon Crumb Cake* | 6.6 | 2.0 | - | - | _ | - |
| FRUTIS | | | | | | |
| Peaches in Syrup | 7.1 | 2.0 | 7.8 | 1.4 | 2.36 | 114 |
| Fruit Cocktail | 7.3 | 1.7 | 7.8 | 1.3 | 2.00 | 149 |
| Pears in Syrup | 7.0 | 2.0 | - | - | _ | _ |
| Apple | _ | _ | 8.0 | 1.3 | - | _ |
| Pear | 6.9 | 1.7 | 7.7 | 1.8 | 2.31 | 117 |
| Banana | 7.6 | 1.3 | 8.1 | 1.4 | 2.34 | 144 |
| SPREADS | | | | | | |
| Maple Syrup | 6.2 | 2.0 | 7.1 | 2.0 | ns | - |
| CEREALS | | | | | | |
| Strawberry and Cream Catmeal | - | - | 6.5 | 2.2 | - | - |
| Apple Cirnamon Catmeal | - | - | 8.0 | 1.5 | _ | - |
| Frosted Krispies | 7.6 | 1.3 | 8.3 | 1.0 | 3.91 | 117 |
| Corn Pops | 7.7 | 1.6 | 7.9 | 1.2 | ns | - |
| HEVERAGES . | | | | | | |
| Orange Juice | 6.7 | 1.8 | 6.2 | 2.6 | ns | *** |
| Grape Juice | 6.9 | 1.9 | 7.2 | 1.9 | ns | - |
| White Milk | 5.9 | 2.4 | 6.5 | 2.4 | ns | _ |
| Chocolate Milk | 6.5 | 2.2 | 7.5 | 2.0 | 2.74 | 153 |
| Coffee | 6.8 | 2.4 | 7.4 | 2.2 | ns | |
| Cocca | 7.3 | 1.9 | 8.2 | 1.1 | 3.57 | 106 |

^{**} Tray Pack Test Items
*** Institutional Pouch Test Items

rating for the biscuits (3.7) by the Test group is noteworthy due to the fact that in a concurrently conducted MRE evaluation the same biscuit received an average rating of 6.6.

Of the 29 items in the Control breakfast T Ration, 75.9% (n=22) of the items received ratings of 6.0 or greater. The more acceptable items included western omelet, pork sausage links, omelet with bacon pieces, bread, blueberry cake, assorted fruits, maple syrup, cold cereals and oatmeal. Items rated below six included five of the entrees (omelet with sausage and potatoes, bread pudding, creamed ground beef, omelet with bacon and cheese, ham slices) and apple coffee cake.

Twenty-one breakfast items were rated by both groups. As shown in Table 10 ratings did not differ between the Test and Control groups (p>.05) for 9 of the foods. The Test group rated ham slices significantly higher than the Control group (t(155)=2.24, p <.05) while 10 items were rated significantly better (p's<.05) by the Control group (western omelet, bread pudding, white bread, blueberry cake, canned peaches and fruit cocktail, fresh pears and bananas, frosted krispies cereal, chocolate milk, and cocoa).

Acceptability of the Dinner T Rations. The Test group rated 76.5% of the T Ration dinner items (26 of 34) as "liked slightly" or better. Chicken breast patties, Oriental rice and marble crumb cake were popular choices among the new dinner items. Of the three new dinner entrees, only chicken breast patties were rated above 6.0. The other two new dinners both had ratings close to the 6.0 "liked slightly" rating. Chicken chow mein was rated 5.9. Boneless BBQ pork ribs (mean rating of 5.8) may have been affected by the less than full portion serving. As shown in Table 13, the Control group rated the T Ration dinner items more favorably than the Test group. Ninety percent (28 of 31) of the dinner items were rated as "liked slightly" or better by the control group.

Comparisons of the 24 items evaluated by subjects in both groups indicated that 11 did not differ significantly in acceptability ratings. Two items were preferred by the Test subjects (chocolate cake $[\underline{t}(134)=4.09, p<.05]$ and pound cake $[\underline{t}(131)=4.69, p<.05]$), and 11 foods were rated significantly higher (p's<.05) by the Control subjects (lasagna, beef pot roast, turkey slices, white rice, wheat and white bread, beans with bacon sauce, fresh oranges and bananas, orange beverage, and peanut butter).

Acceptability of the Meal, Ready-to-Eat. Overall, the Control group rated MRE VIII items higher than the Test group. As shown in Table 12, both group's rated a majority of the items as at least like slightly. The Test ration group rated 75% of the items (21 of 28) a 6.0 or greater whereas the Control group rated 86% of the items (25 of 29) as 6.0 or greater. While the Test group did not rate any of the entrees above 6.0, the Control group rated half of the entrees above 6.0. Twenty-seven MRE items were rated by subjects in both groups. The Test group rated corned beef hash significantly higher $(\underline{t}(131)=2.99, \underline{p}<.05)$

Table 11. Final Questionnaire Acceptability of T Ration Dinner Items.

| | Test G | roup | Control Group | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------|
| | MEAN | SD | MEAN | SD | t | đ£ |
| ENIRES Lasagna Beef Pot Roast Hamburger Turkey Slices Chicken Chow Mein* Chicken Breast Patties* Boreless BBQ Pork Ribs* Chicken Cacciatore | 6.0 5.6 6.3 6.9 5.4 5.8 | 2.3 2.4 2.1 1.7 2.5 2.2 2.3 | 8.2 6.9 6.9 7.5 - - 6.1 | 1.2 1.3 2.2 1.2 - - 2.6 | 7.12 3.86 ns 2.47 | 107 96 - 140 - - |
| STARCHES White Rice Potatoes w\ Butter Sauce Wheat Bread White Bread Oriental Rice Hamburger Roll | 5.5 6.4 6.9 6.7 6.6 | 2.4 1.8 1.7 2.3 2.2 | 7.2 6.8 7.8 7.4 - | 1.8 2.1 1.4 1.7 | 4.82 ns 2.86 2.20 | 135 128 156 |
| VPCETABLES Green Beans Beans w\ Bacon Sauce Salad Mixed Vegetables Corn Pea and Carrots | 5.5 6.0 7.1 6.7 4.3 | 2.4 2.1 1.8 1.6 2.7 | 5.8 6.8 7.2 6.1 | 2.5 1.9 1.7 1.9 2.3 | ns 2.07 ns | 104 |
| FRUITS Fruit Cocktail Apple Crange Pear Banana | 7.2 7.3 6.8 7.0 7.5 | 1.8 1.6 2.1 1.8 1.5 | 7.7 7.8 7.7 7.6 8.2 | 1.6 1.5 1.9 1.8 1.2 | ns ns 2.38 ns 3.18 | _ 118 143 |
| DESSERIS Chocolate Cake Round Cake Marble Crumb Cake Chocolate Crumb Cake | 4.6 6.9 6.3 5.8 | 2.8 2.0 2.4 2.6 | 2.8 5.1 _ | 2.4 2.7 - | 4.09 4.69 - | 134 131 - |
| HEVERACES Orange Beverage White Milk Chocolate Milk Coffee Grape Beverage | 6.2 6.1 6.7 6.9 | 2.4 2.1 1.9 2.3 | 7.2 6.3 7.3 7.4 7.3 | 1.4 2.5 2.1 2.2 1.6 | 2.82 ns ns ns | <u>.</u> |
| SPREADS Peanut Butter Jelly Cheese Spread | 6.4 6.8 | 2.2 1.7 | 7.4 7.3 7.3 | 1.8 1.9 2.0 | 3.04 ns | 138 |
| OTHER Ketchup Thousand Island Dressing French Dressing | 6.0 | 2.3 | 7.1 7.2 | 2.0 1.7 | - - - | <u>-</u> |

^{*} Tray Pack Test Items

Table 12. Final Questionnaire Acceptability of Meal, Ready-to-Eat Items.

| | Test (| Froup | Control Group | | | |
|-------------------------|--------|------------|---------------|------------|------------|-----|
| | MEAN | SD | MEAN | SD | t | df |
| ENTREES | | | | | | |
| Corned Beef Hash | 5.6 | 2.6 | 4.3 | 2.7 | 2.99 | 131 |
| Chicken Stew | 5.9 | 1.8 | 7.0 | 2.1 | 3.28 | 132 |
| Omelet w/Ham | 5.7 | 2.4 | 5.1 | 2.8 | ns | - |
| Chicken a la King | 5.0 | 2.5 | 6.2 | 2.2 | 3.01 | 127 |
| Beef Stew | 5.9 | 2.0 | 7.0 | 1.8 | 3.37 | 133 |
| Meatballs, Rice and Sce | 5.8 | 2.3 | 5.5 | 2.7 | ns | - |
| STARCHES | | | | | | |
| Crackers | 6.4 | 1.9 | 7.0 | 1.7 | 2.04 | 159 |
| Potato au Gratin | - | - | 5.8 | 2.5 | - | - |
| SPREADS | | _ | | | | |
| Cheese Spread | 6.2 | 2.6 | 7.8 | 1.6 | 4.46 | 119 |
| Jelly | 6.6 | 2.1 | 7.2 | 1.7 | 2.10 | 137 |
| Peanut Butter | 6.4 | 2.0 | 7.5 | 1.8 | 3.39 | 146 |
| FRUITS | | | | | | |
| Peaches | 6.3 | 2.0 | 6.9 | | ns | - |
| Pears | 6.3 | 2.1 | 6.9 | 2.4 | ns | - |
| Fruit Mix | 6.3 | 2.1 | 6.9 | 2.2 | ns | *** |
| DESSERTS | | • | | | | 100 |
| Choc. Covered Cookie | 6.8 | 2.0 | 7.7 | 1.4 | 3.09 | 128 |
| Cherry Nut Cake | 4.9 | 2.9 | 6.5 | 2.5 | 3.30 | 121 |
| Oatmeal Cookie Bar | 6.1 | 2.3 | 7.3 | 2.1 | - | - |
| BEVERAGES | | | • • | 1 0 | 2.06 | 115 |
| Cocoa | 7.5 | 1.6 | 8.3 | 1.0 | 3.96 | 115 |
| Grape Beverage | 6.6 | 2.0 | 7.7 | 1.3 | 3.59 | 119 |
| Lemon-Lime Beverage | 6.5 | 2.1 | 6.7 | 2.0 | ns 2.65 | 111 |
| Orange Beverage | 6.4 | 2.2 | 7.3 | 1.4 | 2.65 | 111 |
| CANDY | 7.0 | 1.6 | 8.1 | 1.8 | ne | _ |
| M&M's | 7.9 | | | | ns | _ |
| Caramel | 7.3 | 1.8 | 7.8 | 1.4 1.9 | ns | _ |
| Charms | 7.4 | 1.7 | 7.5 | | ns | _ |
| Gum | 7.4 | 1.9 | 7.9 | 1.6 | ns | _ |
| OTHER | 7.0 | 2 2 | 7.0 | 1.5 | ne | |
| Hot Sauce | 7.3 | 2.3 | 7.9 | 1.5 | ns 2.57 | 106 |
| Cream Substitute | 6.9 | 2.0 | 7.8 8.1 | 1.3 | 2.97 | 111 |
| Sugar | 7.2 | 2.0 2.3 | 7.2 | 1.8 | | *** |
| Salt | 6.5 | 4.5 | 1.2 | T . O | ns | |

than did the control group, 12 items were not significantly different between the two groups, and 14 items were rated significantly higher (p's<.05) by the Control group (chicken stew, ckicken a la king, beef stew, crackers, cheese spread, jelly, peanut butter, chocolate covered cookie, cherry nut cake, cocoa, grape and orange beverage bases, cream substitute, and sugar).

Acceptance Ratings by Meal Component. In general, the Control group rated the components of both T Ration meals and the MRE lunch more highly than the Test group. These comparisons for the Final Questionnaire ratings are shown in Table 13 (see Appendix P for field acceptability results). The breakfast T Ration entrees, starches, breakfast cakes, and fruits were rated higher by the Control group relative to the Test group. Similarly, the dinner T Ration entrees, starches, spreads, beverages, fruits, and other items (e.g. salad dressing, condiments) were rated higher by the Control group but the desserts were rated higher by the Test group ($\underline{t}(160)=3.19$, $\underline{p}<.05$). The Control group also gave significantly higher ratings to MRE starches, spreads, desserts, beverages, candies, and other supplemental items.

Flameless Ration Heater. The Flameless Ration Heater (FRH) was distributed for use to both companies (Test and Control ration groups) along with a questionnaire (n=78) which asked subjects to evaluate the FRH. The overall acceptability of the FRH was rated as "moderate to very good." Both groups reported that when the heaters were used, MRE rations reached warm to hot temperatures which resulted in improved taste ratings for both groups. Taste ratings increased to "moderately better" according to the Test group, and "much better" according to the Control group $(\underline{t}(39)=3.37, p<.01)$. The Control group also reported that the FRH was "very easy to use" while the Test group rated use of the FRH to be "moderately easy" $(\underline{t}(50)=2.20, p<.05)$.

Both groups felt that a "slight" problem in using the FRH was that it was "too hot to handle." The main reason for not using a FRH was the lack of time for meals provided by the mission. Sixty-two percent of the Control group (n=24) saw this as a problem, whereas most of the subjects in the Test group did not feel lack of meal time prevented the use of FRH (t(49)=3.0, p=.004). Otherwise, subjects reported they would "almost always" use a FRH if it were packaged with their MRE. If the FRH was not packaged with each meal, the subjects reported they would use the heaters wnenever possible. Packaging of the FRH with each MRE was clearly preferred. When asked if they would save an unused FRH or throw it away, all of the subjects responded that they would save it for future use.

Final Questionnaire. As part of the final questionnaire, troops were asked to list foods, drinks, or condiments they would like added or dropped from the T-Rations. Of the soldiers receiving the Test ration, 52.7% (n=39) suggested that specific items should be dropped from the T Ration: bread pudding and peas and

Table 13. Final Questionnaire Acceptability of T Ration and MRE Components

| | Test G | roup | Control Group | | | |
|--------------------|--------|------|---------------|------|------|-----|
| | MEAN | SD | MEAN | SD | t | df |
| T RATION BREAKFAST | | | | | | |
| Entrees | 5.0 | 1.5 | 5.8 | 1.6 | 3.26 | 161 |
| Starches | 5.5 | 1.6 | 7.3 | 1.5 | 7.52 | 158 |
| Desserts | 6.0 | 2.1 | 6.8 | 2.1 | 2.45 | 115 |
| Beverages | 6.6 | 1.8 | 7.1 | 1.3 | ns | |
| Fruits | 7.3 | 1.3 | 7.8 | 1.1 | 2.27 | 147 |
| Cereals | 7.6 | 1.3 | 8.1 | 1.0 | 2.53 | 139 |
| Other | 6.2 | 2.0 | 7.1 | 2.0 | ns | - |
| T RATION DINNER | | | | | | |
| Entrees | 6.1 | 1.6 | 7.1 | 1.2 | 4.35 | 145 |
| Starches | 6.4 | 1.4 | 7.3 | 1.3 | 3.90 | 160 |
| Desserts | 6.0 | 1.8 | 5.0 | 1.9 | 3.19 | 160 |
| Vegetables | 6.0 | 1.5 | 6.4 | 1.5 | ns | - |
| Beverages | 6.6 | 1.5 | 7.1 | 1.3 | 2.47 | 158 |
| Spreads | 6.6 | 1.8 | 7.4 | 1.8 | 2.56 | 141 |
| Fruits | 7.2 | 1.3 | 7.8 | 1.2 | 2.92 | 160 |
| Other | 6.3 | 1.9 | 7.3 | 1.6 | 3.14 | 130 |
| MEAL, READY-TO-EAT | | | | | | |
| Entrees | 5.8 | 1.7 | 6.0 | 1.6 | ns | _ |
| Starches | 6.4 | 1.9 | 7.0 | 1.7 | 2.04 | 159 |
| Spreads | 6.4 | 1.8 | 7.5 | 1.4 | 4.48 | 146 |
| Fruits | 6.3 | 1.9 | 6.9 | 2.2 | ns | |
| Desserts | 6.1 | 1.9 | 7.2 | 1.5 | 4.20 | 144 |
| Hot Beverages | 7.5 | 1.6 | 8.3 | 0.96 | 3.96 | 114 |
| Cold Beverages | 6.5 | 1.9 | 7.2 | 1.3 | 2.49 | 143 |
| Candy | 7.4 | 1.3 | 7.9 | 1.1 | 2.26 | 160 |
| Other | 7.0 | 1.6 | 7.7 | 1.3 | 2.94 | 148 |
| | | | • • • | | | |

carrots were the most frequently requested items to be dropped and this is reflected in low acceptability ratings. A total of 59.5% (n=47) of the Test subjects suggested additions to the T Ration, and they most frequently requested pizza and Mexican foods (e.g., burritos, enchiladas). In the Control group, 56.1% of the subjects (n=46) suggested some items be dropped from T Ration menus: chocolate cake, chicken cacciatore and bread pudding were most frequently mentioned. Over half of the subjects (63.4%; n=52) suggested specific foods to be added to the T Ration menu with pizza and burritos among the most frequently requested foods.

The Test and Control groups reported having similar amounts of time allotted for meals (25 and 27 minutes, respectively) and expressed similar preferences for the amount of time they would like to have for eating (32.5 and 35 minutes, respectively).

Portion size in both groups was generally seen as adequate,

with most ratings falling between "somewhat too small" and "just right" and ratings for each respective food group being similar. The only notable difference between groups was that the Test group rated the beverage portions served as slightly more adequate (2.3) than the Control group (1.9).

Focus Group Comments. Toward the end of this field study, a focus group from each company (10 soldiers apiece) met to discuss positive and negative impressions of the overall rations. The test group discussed their reactions to the new items in the T Ration breakfast and dinner menus.

Test Group. Foods recommended as additions to the breakfast T Ration included french toast, hash brown potatoes, bacon, muffins, butter and/or margarine. A preference for egg dishes mixed with cheese, but not meat, was expressed. participants noted that the new breakfast items offered greater variety, but the entrees were often cold when served making them less appealing. The Test group commented that there was more variety in dinner T Ration items than is typically offered. Suggested additions to the dinner T Ration included pot roast with potato, ham with pineapple, broccoli with cheese or butter sauce, and more frequent and varied green vegetables. Many of the new T Ration dinner items were viewed positively, especially the BBQ Ribs, rolls, and cakes. Requests for the following additional items in the MRE and or T Ration were noted: meat lasagna, salted crackers, cold whole milk (instead of low-fat), instant iced tea, pepper, and larger portions of jelly, cheese spread and dehydrated fruits. A preference was expressed for more bread and less crackers to be included in the MRE.

Control Group. The Control group's overall impressions were that the T Rations were "good except for the cakes." Foods recommended as additions to the breakfast T Ration included french toast, pancakes, poptarts, grits, and shelf-stable butter. As in the Test group, soldiers stated a preference for egg dishes not mixed with meat. Suggested additions to the dinner T Ration included a greater variety of vegetables (e.g. corn, baked beans, spinach) and more pasta entrees. Requests for the following additional items in the MRE were noted: tea, salted crackers, pepper, larger servings of cheese spread, jelly and beverage base in each MRE. A preference for candy and hot sauce in every meal was also expressed. Soldiers in both groups noted that the T Rations were served cool to lukewarm in temperature which is likely to have led to somewhat lower acceptability ratings (Lester and Kramer, 1991). Soldiers also reported running out of accompanying items (e.g., coffee, cocoa, juice). Another problem noted by soldiers in the control group was that due to distribution problems there was not much variety in the foods offered. Both groups further noted the lack of variety in MRE's (only six of the 12 menus were typically available).

Participants in both groups expressed enthusiasm regarding the Flameless Ration Heater's ability to heat food efficiently

and, as previously noted, requested that the FRH be included with all MRE's. In general, participants stressed the importance of receiving hot food and having a greater variety of foods available (including more vegetables and pasta dishes).

Conclusions and Recommendations

The overall results of the present study did not show an advantage in terms of ration acceptability or consumption for the Test group receiving the newer T Ration menus. The Control group consistently consumed more total calories and rated the rations higher. The Test group's lower levels of energy intake and ration acceptability cannot be attributed to soldiers' responses to the new T Ration menus given that this group's consumption and acceptability ratings were consistently lower across most of the food types for both the breakfast and dinner menus. It was further noted that, in general, the Test group rated the MRE items lower than the control group despite consuming comparable amounts of the MRE lunch meal relative to the control group.

Both groups generally performed well in terms of meeting the Surgeon General's Military Recommended Dietary Allowances (MRDA). In the current study, average total calorie intake for both groups was 2915 Calories, and this amount is comparable to the average of 2884 Calories found in the previous field study of the original FY90 T Ration (Salter et al., 1991). In the present study, energy intake in the Test group (2657 Calories per day) was slightly below the MRDA minimum of 2800 Calories per day, while the Control group consumed well over the minimum MRDA for total energy intake (3174 Calories). Both the Test and Control groups met most of the remaining nutrient requirements. As is the typical result in field tests of rations (Edwards et al., 1989; Popper et al., 1987; Salter et al., 1991), intake deficiencies were not due to any lack of availability but rather to underconsumption by soldiers.

Further support for the generally adequate intake of foods and beverages is provided by the fact that actual loss of body weight was minimal and hydration, as indexed by urine specific gravity, was adequate.

Although the results support the need for additional efforts to enhance consumption and acceptability of rations in field settings, the current study is consistent with past studies (e.g., Salter et al., 1991) in suggesting that intake is generally better when soldiers are fed a meal cycle of two T Rations and one MRE per day versus three MRE's daily even though both rations are nutritionally adequate and of similar acceptability.

T Ration items were typically rated as more acceptable by the Control group relative to the Test group. On average, the 10 new ration items issued to the Test group received acceptability ratings in the same range as the other T Ration components. However, half of the new items were among the highest rated items in their respective food categories (e.g. pork patties were the highest rated breakfast entree by the Test

group). The majority of T Ration items served were liked slightly or better, but the results are consistent with past studies indicating that room for improvement, especially in breakfast entrees, continues to exist. T Ration acceptability ratings in this field test were generally comparable to or higher than those obtained in Salter et al. (1991). Based on soldiers' comments, it is clear that readily identifiable solid meat entrees such as chicken patties, pork ribs, and hamburgers are a welcome improvement relative to the casserole type entrees which have historically predominated. Soldiers also expressed a desire for more ethnic foods such as pasta dishes and Mexican foods, as well as more variety in vegetable side dishes.

The two study groups consumed similar amounts of the MRE although the Control group rated the MRE items as somewhat more acceptable. Interestingly, despite the fact only six of the 12 MRE menus were available throughout the evaluation, this significant reduction in variety did not lead to noticeably lower acceptability ratings relative to other ration test results (e.g. Salter et al., 1991). The Flameless Ration Heater was a clear success and viewed by soldiers as a strong positive addition to operational rations such as the MRE.

The consistency in consumption in the present and most recent previous T Ration study (Salter et al., 1991) is encouraging. Further study and ration reformulations are warranted to improve consumption and, in particular, acceptability of the T Ration. Data collected from current and past studies on the latest T Ration formulations confirm that it is a relatively reliable means for meeting the soldiers' nutritional needs. Future studies comparing T Ration versions could benefit from ensuring distribution of menu items as actually planned so as to obtain an accurate evaluation of the ration as a whole.

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APPENDIX A. Volunteer Agreement Affadavit

Appendix A

VOLUNTEER AGREEMENT AFFIDAVIT

For use of this form, see AA 70-25, the proponent agency is OTBG

PRIVACY ACT OF 1974

Authority:

10 USC 3013, 44 USC 3101, and 10 USC 1071-1087.

under the direction of

conducted at

Principle Purpose: To document voluntary periodetion in the Clinical Investigation and Research Program SSN and home address will be used for identification and locating purposes.

Rautine Uses:

The SSN and home address will be used for identification and locating purposes. Information derived from the study will be used to document the study, implementation of medical programs, adjudication of dismis, and for the mandatory reporting of medical conditions as required by law. Information may be furnished to Federal, State and local agencies.

Disclosure:

The furnishing of your SSN and home address is mendatory and necessary to provide identification and to contact you if future information indicates that your health may be adversely effected. Feiture to provide the information may preclude your voluntary perscipation in this investigational study.

PART A(1) - VOLUNTEER AFFIDAVIT

| Volunteer Subjects in | Approved i | Department of | the Army | Research | Studies |
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| PART A(2) - ASSENT VO | LUNTEER AFFIDAVIT | (MINOR CHILD) (Contd.) | |
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| The implications of my voluntary participation; the nat which it is to be conducted; and the inconveniences an | ure, duration and purpi d hazards that may read | ose of the research study; the conably be expected have been | e methods and means by n explained to me by |
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| I understand that I may at any time during the course penalty or loss of benefits; however, I may be request such examinations are necessary for my health and wit which I am otherwise shalled. | ted to undergo certain | examination if, in the opinion | of the attending physician, |
| PART B - TO E | BE COMPLETED BY II | NVESTIGATOR | |
| INSTRUCTIONS FOR ELEMENTS OF INFORMED CONSEN | T (Provide a detailed e | xplanation in accordance with i | Appendix E, AR 40-38 or |
| The purpose of this study is acceptance in a field training envir days during your field training exert Hawaii. If you are one of the forty asked to rate the acceptability of the and an MRE lunch each day. You acceptability of the items served a corresponding to you attitudes on much as you choose. In order to the all soldiers refrain from eating any investigators will meet with the 40 estimate the amount of food constitute meals. For the MRE lunch, the form on which to record intake and issued a plastic bag to collect food will collect each day. Volunteers we evaluation and will also be asked the course of the evaluation. The | conment. The solution recises at the Polyvolunteers from wo T-ration means will be asked to these meals be a one-page for petter evaluate foods other that volunteers at bounded at these relations of the wrappers, lefter will be weighed to provide a urist | tudy will take place hakuloa Training Containing Containing Containing Containing (breakfast and document of consume and rate by circling numbers on. You may eat as the T-ration, we require the rations provide the provided with a praction. You will allower food, etc. which five times throughous ample five times | for 7 enter in u will be inner) e the little or as juest that led. The ner to ratings of a one-page so be n we ut the s during |
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| PERMANENT ADDRESS OF VOLUNTEER | TYPED HAME OF | WINESS | |
| | SIGNATURE OF V | VIDESS | DATE |

as one measure of your water and beverage intake. On the evening before these tests you will be issued a small plastic bottle. When you wake up the next morning you should fill the bottle with your first urination of the day, then bring it with you when the data collectors arrive for the morning meal. When you are weighed, you should remove your gear and equipment before getting on the scale.

The estimated time required per day for this evaluation is about ten minutes at breakfast and dinner. At the beginning and end of the study the entire company will be asked to complete questionnaires requiring approximately 45 minutes. In addition, 10 of the forty volunteers in each company will be recruited to participate in an hour long focus group during which you are encouraged to give more detailed opinions of the rations.

This study should produce no additional discomfort for you beyond whatever you would normally encounter during scheduled field exercises. Although this study will have no direct benefit for you, you participation will provide important information on improving T-ration feeding. You have the right to withdraw from the study at any time, however this will not end your participation in the field exercise or change you access to field dining facilities or the rations being provided. You will receive a copy of this consent form and you are encouraged to ask any questions you may have.

You may request to see your own results or you may request to see the final report of the study. All data and information obtained about you as an individual will be considered privileged and held in confidence. Complete confidentiality cannot be promised, particularly to subjects who are military members, because information bearing on your health may be required to be reported to appropriate medical or Command authorities, and applicable regulations note the possibility that USAMRDC officials may inspect the records.

Thank you for your help.

| SIGNATURE OF VOLUNTEER | DATE SIGNED | SIGNATURE OF | LEGAL GUANDIAN (if volunteer |
|--------------------------------|-------------------------------|------------------|------------------------------|
| PERMANENT ADDRESS OF VOLUNTEER | TYPED OR PRINTED NAME WITNESS | AND SIGNATURE OF | DATE SIGNED |
| | | | |

APPENDIX B. Background Questionnaire

Appendix B

TRAY RATION EVALUATION

Background Information

Please answer the following questions for our records. All of the information you provide will be kept confidential. This information is necessary in order to provide a combat ration that will meet everyone's needs. Thank you! USE A NO.2 PENCIL 1. Your name: Proper Mark 2. Last four digits of your Social Security Number: 3. What is your rank: E-______O-_____O-_____O-_____ 4. Your Company: Platoon: Male Female 5. What is your gender? 6. What was your age at your last birthday? 7. How long have you been in the Army? _____years ____months 8. What is your height? _____ft ____in What is your weight? ____lbs 9. Are you currently trying to lose weight? YES NO 10. Are you currently trying to gain weight? YES NO 11. Which ethnic group do you belong to? (fill in appropriate circle) 1. American Indian/Alaskan Native 2. Asian/Pacific Islander 3. Black 4. Hispanic 5. White, not of Hispanic origin 6. Other (please specify) DO NOT WRITE BELOW THIS LINE GROUP SUBJ **AGE** WT 0 1 2 3 4 5 6 7 8 9 2 3 4 5 6 7 8 YEAR 0 1 2 3 4 5 6 7 8 9 MONTH 1 2 3 4 5 6 7 8 9

Page 1C

| 12. In what part of the country did you live the longest before age 16? (fill in appropriate circle) | O |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1. New England (ME, NH, VT, MA, CT, RI) 2. Middle Atlantic (NJ, NY, PA) 3. South Atlantic (DE, MD, VA, WV, NC, SC, GA, FL, DC) 4. North Central (OH, IN, IL, MI, WI, MN, IA, MO, ND, SD, NE, KS) 5. South Central (KY, TN, AL, MS, AR, LA, OK, TX) 6. Mountain (ID, WY, CO, MT, AZ, NM, UT, NV) 7. Pacific (WA, OR, CA, AK, HI) 8. Other (please specify) | |
| 13. Do you have any food allergies or avoid any food due to medical or personal reasons? YES If YES, please list the foods and why you avoid them: | |
| | |

APPENDIX C. Nutrient Information for the Current T Ration

| TOTALS Breakfast | WATER (G) | PROTE IN (G) | N FAT | | ASH C.(6) | CALCIUM (MG) | PHOS (MG) | I RON (MG) | SODIUM (MG) | | POTASS MA(| MAGNESIUM (MG) | NACL (G) | ZINC (MG) | | CHOLESTROL (MG) |
|-----------------------------------|--------------|-------------------------------|-----------------|---------|----------------|-----------------|----------------|-----------------------------------------|----------------|-----------|------------|-------------------|-----------------|-----------------------|----------|--------------------|
| DAY | >- | | | | | | | | | | | | | | | |
| - | 585.48 | 48.37 | 38 | | .34 | 528 | 1046 | 7.79 | 23 | 82 | 2585 | 180 | 4.05 | 2.5 | 80 | 288 |
| 7 | 482.59 | 63.26 | | 12 12. | 4 | 501 | <u>6</u> 00 | 10.77 | 2885 | 85 | 1774 | 168 | 4.60 | 10.08 | 98 | 408 |
| m | 547.58 | 54.66 | | | .64 | 508 | 976 | 9.75 | 22 | 27 | 1821 | 131 | 3.51 | S | 17 | 193 |
| ~ | 511.89 | 49.67 | 68 | | . 58 | 461 | 833 | 7.16 | 23 | 20 | 1708 | 112 | 3.97 | 4 | 7. | 900 |
| W | 580.34 | 59.90 | 45 | | | 562 | 1123 | 9.73 | 27 | 91 | 2658 | 180 | 4.85 | ₽: | 53 | 290 |
| g | 542.08 | 50.70 | | | | 510 | 865 | 8.71 | 36 | 30 | 1803 | 122 | 4.37 | က | 0 | 303 |
| _ | 531.26 | 63.50 | 42 | 46 11 | • | 492 | 985 | 8.28 | 25 | 2502 | 2266 | 167 | 4.32 | ₩ | 39 | 426 |
| 80 | 600.63 | | 33 | | | 463 | 903 | 8, 15 | 2081 | 10 | 2100 | 178 | 3. 18 | . | õ | 77 |
| đ | 530.61 | 54.93 | 33 | . 59 10 | | 481 | 864 | 7.04 | 2296 | 96 | 1775 | 125 | 3.92 | ъ. | 69 | 327 |
| õ | 427.80 | | 61. | 98 ++ | | 519 | 1121 | 9.97 | 2324 | 24 | 2155 | 160 | 3.70 | ₹ | 9 | 316 |
| MEAN | 534.03 | 55.31 | 47. | .48 11 | . 59 | 502 | 196 | 8.73 | 2444 | 44 | 2064 | 152 | 4.05 | 9 | .65 | 293 |
| MEAL REQUIREMENTS 1/3 AR 40-25 | ENTS | 33.33 | 53.3 | _ | | 267 | 267 | 6.0 | 1667-2334 | | 625-1825 | 133 | | 80 O | 0 | |
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| 7 | 2590 | .033 | 2650 | 43 | 1.32 | 1.30 | | 8.8 | 6. | 88 | 2.28 | ~ | | 227.02 | 1677 | 842 |
| 6 | 3090 | | 3090 | 116 | 1.54 | _ | | 7. | 1.05 | 16 | 1.44 | ₹ | | 216.13 | 1338 | 855 |
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| រភ | 3060 | .085 | 3190 | 116 | - 3 | - | | 0. | <u>.</u> | <u>\$</u> | 2.55 | ý | | 7.98 | 1399 | 887 |
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| n | 3420 | .034 | 3480 | 118 | 1.4 | _ | | BO . 65 | .03 | - | 1.78 | _ | _ | | 1033 | 755 |
| 0 | 3150 | .013 | 3170 | 113 | 1.5 | 1.39 | | o. | .86 | 95 | 2.48 | ₹ | 87 183 | 3.54 | 1527 | 744 |
| MEAN | 3136 | .036 | 3191 | 102 | 1.43 | 1.21 | σ | 6. | 86. | 95 | 2.10 | 9 | 8. | 85.65 | 1391 | 833 |
| MEAL REQUIREMENTS 1/3 AR 40-25 | ENTS | | 1670 | 20 | 09.0 | 0.73 | 8.0(N.E | (· E ·) | 0.73 | 133 | 0.1 | က် | e. | 146.7 | 1200 | |
| | a. | PERCENT OF CALORIES FROM | ALORIES | FROM: | PROTEIN | | 16 PERCENT | - N - N - N - N - N - N - N - N - N - N | | | | | | | | |
| | | | | | S F | | 3 PERCENT | - 2 | | | | | | | | |

RECORD OF NUTRITIVE VALUES TRATION FY90 REVISED

| CHOLESTROL (MG) | 96 | 54 | 127 | 11 | Ç. | 2 0 | 671 | 72 | 136 | 8 | 7.8 | | 66 | | | WE I GHT | 3 | 05.7 | 906 | 679 | 1047 | 2 | 1057 | , to | 0 0 | 000 | 200 | <u>§</u> | 6 | P P | | |
|--------------------|------|----------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|-----------------------------------|---|------------------|------------|------|-----------|-------|------------|---------|----------|---------|--------|--------|--------|----------|--------|----------|-----------------------------------|-------------------------------|
| | 80 | Ø | 90 | 2 | | 0 3 | * | 90 | 57 | g | | 2 | 97 | 0 | | CALORIES | | 200 | | 4.50 | 1013 | | | 1000 | 0651 | 200 | 1704 | 1492 | • | 1481 | 1200 | |
| ZINC (MG) | 4.88 | | Ī | | | | | | | | | | ø. | ъ О. | | CHO | <u> </u> | • | 205.16 | 77.77 | 203.03 | 12.07 | 168.66 | 192.33 | 171.68 | 226.89 | 204.62 | 226.88 | 1 | 198.57 | 146.7 | |
| NACL (G) | 3.76 | 3,23 | 4 8 4 | | - 6 | 30.5 | 4.57 | 3.32 | 6.45 | A. 25 | 3 6 | • | 4.43 | | | | (DM) | | | | 4.30 | | | | .72 | 8 | 9 | .32 | | و | e. | |
| MAGNESIUM (MG) | 208 | 175 | | * " | 50 | 164 | 228 | 145 | 761 | 7 (| D (| 202 | 186 | 133 | | | | • | | | | | | | | 9 | | 9 | | ₩ | m | |
| POTASS MA (MG) | 1950 | 1363 | 200 | 0601 | 1033 | 1562 | 2158 | 2074 | 0000 | 2007 | 187 | 1/32 | 1824 | 625-1825 | | B 12 | (MCG) | • | 1.27 | 34 | 2.07 | N | 1.66 | - 30 | .83 | 2.3 | ¥ | 1.66 | | 1.63 | 1.0 | |
| | ŭ | 2 9 | ħ (| 20 9 | 9 | | | | | 0 ! | 200 | 53 | 96 | | | FOLACIN | (MCG) | | \$ | 156 | 7 - | 126 | 131 | 208 | 62 | 116 | 122 | 101 | · • | 124 | 133 | |
| SODIUM (MG) | 2295 | 000 | 70 | 2648 | 2876 | 2131 | 2393 | 23.50 | 2000 | 9 | 2368 | 2763 | 2496 | 1667-2334 | | 86 | _ | | . 73 | 4 | . 56 | 15 | 9 | .48 | 1.61 | .46 | .50 | 8 | | .6 | 0.73 | |
| IRON (MG) | 9 | 9 6 | CS . / | 14.49 | 8.78 | 8.94 | 9.21 | | 10.01 | 12.49 | 9.55 | 11.23 | 10.12 | 6.0 | | NIACIN | (MG) | | 26.4 | 7.1 | 20.7 | a. A | 2.1 | 8.5 | 2.5. | 7.4 | 0 | 0 | , | 16.4 | 8.0(N.E.) | PERCENT PERCENT PERCENT |
| PH0S (MG) | | - c | 833 | 1042 | 980 | 737 | 740 | 9 4 | 5 | 825 | 804 | 867 | 894 | 267 | | | | | | | . 29 | | | | | | | 50.00 | | . 12 | | 17 PER 29 PER 54 PER |
| CALCTUM (MG) | , | 9 / 9 | 967 | 467 | 726 | 480 | 521 | 9 6 | 127 | 478 | 482 | 460 | 578 | 267 | | | (MG) | | - | _ | • | - | | _ | | _ | - | | • | .05 1. | 50 0.73 | PROTEIN - FAT - CHO - |
| ASH C. | | 10.50 | 0.51 | 11.50 | 10.54 | 10.22 | | - (| 11.02 | 1.1 | 10.30 | 11.25 | 10.84 | | | | (MG) | | | | 53 1.18 | - | | | _ | _ | | , , n | • | 53 1.0 | 20 0.60 | |
| FAT (G) | ; | | | | | 36.46 | | | | 65.14 | 16. | .50 | . 78 | 53.3 | | |) NG (5 | | | | | | | | | | | | | | | ES FROM |
| | i | | | | | | | | | | 68 | 37 | 3 47 | | | 10101 | (10) | | 2910 | 2990 | 6840 | 11300 | 8060 | 3200 | 4210 | | 1,000 | 200 | 7711 | 6053 | 1670 | CALORII |
| PROTEIN (G) | , | 69.25 | 47.42 | 80.52 | 57, 29 | 59.45 | | 67.79 | 65.46 | 99.99 | 66.38 | 61.64 | 64.13 | 33.33 | | A LATOR PARTOCAC | (MG) | | . 960 | 811 | 3,282 | A 2 1 R | 3.637 | 6.10 | 2 | *** | | *** | 5.134 | 2.805 | | PERCENT OF CALORIES FROM: |
| WATER (G) | | 614.38 | 641.39 | 628.64 | 715 99 | 625 37 | 14.0.4 | 147.15 | 607.85 | 615.16 | 709.47 | 669.75 | 657.51 | ē | | , • | (12 | | 1310 | 1650 | 1380 | 040 | 2000 | 2 1 0 0 | 0 0 | | 200 | 900 | 200 | 1849 | 15 | P. |
| | ΑX | | | | | יע | | | | _ | | 10 | MEAN | UIREMENI 0-25 | | | | | - | | ı en | • | r st | o ec | 7 (| - 0 | 0 (| ָר ק | 2 | MEAN | JUIREMEN 10-25 | |
| TOTALS | | | | | | | | | | | | | | MEAL REQUIREMENTS 1/3 AR 40-25 | 3 | 17 | | | | | | | | | | | | | | | MEAL REQUIREMENTS 1/3 AR 40-25 | |

| STROL) | - a * | B WEIGHT (G) | 161 158 165 165 22 22 22 22 | 890 |
|-------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------|------------|
| CHOLESTROL (MG) | 25.1 19 18 | .88 288 CALORIES W | 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25 | 1362 |
| ZINC (MG) | 1.61 1.57 1.20 1.20 4.88 | n . | 10.38 30.44 46.90 37.88 19.56 15.01 1.10 89 | 8 |
| NACL (G) | 1.48 1.48 .00 | 4.05 CHD (G) | | 9 205.09 |
| SIUM | | (() () () () () () | 6.79 .79 .1.20 | 8.80 |
| MAGNESIUM (MG) | 400 84 10 10 10 10 10 10 10 10 10 10 10 10 10 | 180 8 12 (MCG) | . 64 | 1.78 |
| POTASS (MG) | 304 534 152 500 79 380 246 41 | 2585 IN | | |
| SODIUM (MG) | 688 688 10 136 380 2 107 113 | 2382 21 FOLACIN (MCG) | 20 C C C C C C C C C C C C C C C C C C C | 131 |
| | | 86 (MG) | 44.000 6000 | 1.05 |
| I RON | 2.39 1.06 1.05 1.88 1.37 1.07 1.07 | NI. | 400480°44 | 6 0 |
| PHOS (MG) | 165 165 191 73 29 99 99 | NIACIN (MG) | 400486-44 | 10.8 |
| CALCIUM F | 777 28 23 23 63 16 34 | 528 B2 (MG) | 2. ± 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 1.15 |
| | | B 1 | 5-23-1-36 | 1.52 |
| ASH (G) | 3.10 2.72 2.72 2.72 1.00 1.50 1.75 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.2 | 12.34 (MG) | 75 54 B 7 | 919 |
| FAT (G) | 7. 622 7. 7. 2. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. | 38.70 TOTAL A (110) | 630 550 200 370 1470 | 3680 |
| PROTEIN (G) | 16.24 9.51 74 5.27 6.52 1.10 1.42 7.55 | 48.37 CAROTENE TO | .013 | . 047 |
| α | 13.31 37.53 3.78 3.78 86.70 .22 .56 .03 | | | |
| WATER (G) | 113.31 107.53 131.03 3.78 26.70 22 .22 .56 | 585.48 A (1U) | 570 550 180 370 1470 | 3600 |
| DAY 1 BREAKF | WEST OMELET POTATO/BACON PEACHES OAT/APPLE/CN BREADWHITE ORANGE JUICE COCOA BEV PD COFFEE INSTA | ₩∩S | WEST OMELET POTATO/BACON PEACHES OAT/APPLE/CN BREADWHITE ORANGE JUICE COCOA BEV PD COFFEE INSTA | NUS |

| DAY 2 BREAKF | WATER (G) | PROTEIN (G) | FAT (G) | ASH (G) | CALCIUM (MG) | PHOS (MG) | IRON (MG) | SODIUM (MG) | | MAGNESIUM (MG) | NACL (a) | ZINC (MG) | CHOLESTROL (MG) |
|-----------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------------------|-----------------------------------------|------------------------------------------|-------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------|
| OMLT/SAUSPOT CR GR BEEF OAT/STRAWBER BLUEBRY CAKE BREADWHITE GRAPE JUICE | 107.52 123.67 16.92 16.92 1.25 | 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 23.80 2.23.81 2.23.51 2.20 2.20 3.55 | 22. 24. 25. 24. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25 | 8 + 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 2.2 8.8.2 8.2.4.8. 7.4.8. 7.4.8. 7.4. | 1038 598 142 477 380 107 | 23 260 273 85 85 85 85 | 93 39 7 | 6. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. | 6.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | 21 350 91 39 00 46 |
| COFFEE INSTA WILK LOWFAT SUM | .03 202.33 482.59 | 7.55 | .00 4.35 57.32 | 12.14 | 277 277 501 | 215 | .07 11. | 1 113 2885 | | 32 45 | 8 | . 88 10.08 | e 80 4 |

| | V (30) | CAROTENE (MG) | CAROTENE TOTAL A C (MG) (1U) (MG) | ပ စွဲ | 8 (#B) | 82 (MG) | NIACIN (MG) | 86 (3 MG) | FOLACIN (MCG) | 812 (MCG) | m (5# | 9 (e) | CALORIES | WE1GHT (6) |
|----------------|---------------|------------------|-----------------------------------|----------|-------------|------------|----------------|--------------|------------------|--------------|--------|----------|----------|---------------|
| COMPLT/SAUSPOT | 480 | .022 | 520 | | 0 | .34 | ÷. | = | 21 | .32 | 3.21 | 7.44 | | 181 |
| | 180 | .010 | 200 | | . 12 | ÷ 9 | د. و ن | 60. 60. | 52 | 8 6 . | 1. 45 | 7.01 | 214 | 2 0 |
| BLUEBRY CAKE | | | | | 89. | Ξ. | t.3 | <u>ō</u> | 7 | | 1.25 | 52.60 | | 83 |
| BREADWHITE | | | | | . 19 | 16 | . | 6 | ဓ္က | | | 37.88 | | 75 |
| GRAPE JUICE | | | | 6 | 8 | 80 | ₹. | | | | | 47.30 | | 90 |
| COCOA BEV PO | 1470 | | 1470 | 74 | 99. | 8 | τ. | .57 | 8 | 3 | 81 | 15.01 | | 22 |
| COFFEE INSTA | | | | 4 | | 8 | ₹. | 8 | | | | 1. 10 | | • |
| MILK LOWFAT | 9 | | 700 | ~ | 6 0. | .37 | 8 | <u>.</u> | = | .83 | | 10.89 | | 227 |
| SUM | 2590 | .033 | 2650 | 43 | 1.32 | 4.30 | 60 | 16. | e 0 | 2.28 | 7.08 | 227.02 | 1677 | 8.2 |

| DAY 3 BREAKF | WATER (G) | PROTE IN (G) | N FAT (G) | ASH (G) | CALCIUM (MG) | <u>. – </u> | S IRON | | SODIUM (MG) | POTASS (MG) | MAGNESIUM (MG) | | NACL 2 (G) | ZINC (MG) | CHOLESTROL (MG) | rROL |
|---------------------------|--------------|-------------------------------|------------|------------|-----------------|-------------|----------------|------------|------------------|----------------|-------------------|-----------|---------------|----------------|--------------------|---------------|
| BRDPDG/M/HAM | 98.29 | 12.51 | 7.05 | _ | | | 176 2.4 | | 572 | 248 | 21 | - | 1.38 | 1.50 | 117 | |
| MAPLE SYRUP HAM SLICES | 56.43 | 21.35 | | CH | 2 4 | | 75 1.35 | | 738 | 224 | 24 | - | 1.50 | 2.49 | 50 | |
| FRUIT COCKTL | 133.93 | 3.55 | 3.42 | | 25 25 | | | | 10 286 | 106 | 30 G1 | | 7. | ? 8 | | |
| BREADWHITE | 26.70 | 6.52 | 2.40 | | 63 | | | | 380 | 79 | 17 | | | . 46 | | |
| DRANGE JUICE | . 22 | | .37 | .75 | 8 | | | | N ! | 086 | u i | | į | | | |
| COCOA BEV PD | . 36 | _ | 3.51 | - - | 9 00 | | | | 101 | 246 | = < | | 5, 8 | | | |
| COFFEE INSTA | 202.33 | 7.55 | 4. 8.8. | 1.68 | 277 | | | | 113 | 349 | 32 | | } | 88 | . | |
| SUM | 547.58 | 54.66 | 28.28 | 10.64 | 508 | | 926 9.75 | •• | 2227 | 1821 | 131 | C | 3.51 | 5.47 | 193 | |
| | 4 (10) | CAROTENE TOTAL A (MG) (1U) | TOTAL A |) (9M) | 81 (MG) | 82 (MG) | NIACIN (MG) | 86 (#G) | FOLACIN (MCG) | | B12 (MCG) | e (MG) | 당() 당() | CALORIES | | WE1GHT (G) |
| Renping/M/HAM | 650 | | 450 | | 61. | . 28 | 9.1 | 6 0 | 23 | | 90 | 2.40 | 30.27 | | 35 | 150 |
| MAPLE SYRUP | 3 | |) | | | 8 | 0 | 8 | 0 | | | | 21.0 | | 7 | 78 |
| HAM SLICES | | | | | . 17 | . 17 | 3.2 | . 17 | 7 | | . 17 | . 25 | Š | | 32 | 83 |
| FRUIT COCKTL | 340 | | 340 | 6 | .03 | .03 | 9. | 80. | | | | | 31.50 | | 8 | 167 |
| APL COFFE CK | | | | | 90. | . 15 | -: | .00 | 8 | | | 1.78 | 48.8 | | 57 | . |
| BREADWHITE | | | | | . 19 | 91. | 1.8 | 0 | 30 | | | | 37.8 | | 90 | 7.5 |
| DRANGE JUICE | 370 | | 370 | 79 | . 15 | .05 | 9. | | | | | | 19.5 | | 96 | 22 |
| COCOA BEV PD | 1470 | | 1470 | 24 | 99. | 8 | - | .57 | 8 | | ٠ ت | 5 | 15.01 | | 97 | 22 |
| COFFEE INSTA | | | | 6 0 | | 8 | ₹. | 8 | | | | | ÷. | | • | - |
| MILK LOWFAT | 460 | | 460 | ~ | 60. | .37 | ij | <u>.</u> | = | | .83 | | 6 | | 5 | 227 |
| SUM | 3090 | | 3090 | 116 | 1.54 | 1.29 | 11.2 | 1.05 | 76 | - | 1.44 | 4.58 | 216.13 | | 1338. | 855 |

| DLESTROL (MG) | 7.4. 8.1. 8.1. 8.1. 8.1. 8.1. 8.1. 8.1. 8 | 300 . S WEIGHT | 6 0 0 C C C C C C C C C C C C C C C C C | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|-------|
| | | 4.71 CALORIES | 27.0 2.0 2.0 2.0 2.0 3.0 4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5 | 1326 |
| NIZ (MG | 2. £ 1 | ÷ 50 | 8.34 32.94 37.88 19.56 15.01 1.10 | 17.20 |
| NACL (0) | 2.3 1.4.1 00. | 3.97 | | • |
| MAGNESIUM (MG) | 21.etut48 | 112 | 4. ************************************ | 4.61 |
| | | | 8. ± 8. | 2.64 |
| POTASS (MG) | 304 157 152 152 180 246 349 | 20 1708 FOLACIN (MCG) | ат и в о и т т т т т т т т т т т т т т т т т т т | Ó |
| SOUTUM (MG) | 1112 596 10 10 107 113 | 23. | | 7 |
| | | 88 (**G | £† | .88 |
| 1 NG (1 NG (| 24 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 3 7.1 NIACIN | 10 0 0 0 0 T 4 N | 3.6 |
| PHOS (MG) | 22 24 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 | 8 0 | | |
| CALCIUM (MG) | 8 C C C C C C C C C C C C C C C C C C C | 461 (MG) | 4 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 7 (a) | 2.04. 2.04. 2.04. 2.04. 2.04. 2.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. 3.04. | 58 B1 (MG) | ± ± 50 ± ± 50 00 00 00 00 00 00 00 00 00 00 00 00 | 1.32 |
| ∢ ← | 6 + + + + | 10.58 C (MG) | B 0480 | 118 |
| FAT (G) | 29.45 20.45 2.40 3.51 3.51 | 68.74 TOTAL A (1U) | 830 550 1470 460 | 3680 |
| PROTEIN (G) | 65 12.69 147.74 1.10 1.42 1.42 1.53 | 49.67 CAROTENE 1 | .034 | .034 |
| WATER (G) | 100.04 50.98 131.03 26.70 .22 .22 .56 | A (II) | 370 1470 460 | 3620 |
| DAY 4 BREAKF | OMELET/BACON BRKF SAUS DR PEACHES BREADWHITE ORANGE JUICE COCDA BEV PD COFFEE INSTA MILK LOWFAT | RUNA SCIN | OMELET/BACON BRKF SAUS DR PEACHES BREADWHITE ORANGE JUICE COCOA BEV PD COFFEE INSTA | SUM |

| DAY 5 BREAKF | WATER (G) | PROTEIN (G) | IN FAT | ASH (G) | 5 | _ | | RON (MG) | SODIUA (MG) | _ | MAGNESIUM (MG) | | NACL (G) | ZINC (MG) | CHOLESTROL (MG) | STROL |
|----------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------|------------|--------------------------------------------|-------------------------------------|--------------------------------------------|---------------------------------------|-------------------|-----------|----------------|----------------------------------|--------------------|---------------|
| OMEL/BCN CHZ BEEF HASH PEARS OAT/MAPLE/BS BREADWHITE ORANGE JUICE | 101.48 112.68 132.80 3.54 26.70 22.22 | 19.76 17.70 17.33 18.51 1.10 1.10 | 64 64 6 | 2.5. 2.5. 2.5. 2.5. 3.5. 3.5. 3.5. 3.5. | 20 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | 341 162 12 13 187 13 199 | 2.33 3.18 .36 1.01 1.88 | 1144 923 8 113 380 2 107 | 288 599 107 569 79 280 | 26-47-25 | 44 | 2.21 | 6.2.4 6.2.4 6.2.0 6.2.0 | 252 20 | |
| COFFEE INSTA | 202.33 202.33 580.34 | . 000 7. 555 59. 90 | 00. 4 4 4 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 8 . 30 | | | - | | | 113 2791 | •• | 4 E 95 | • | 8 8 | 88. 10.53 | 290 | |
| | (10) | CAROTENE (MG) | TOTAL A (1U) |) (MQ) | B (MG) | 82 (MG) | NIACIN (MG) | # <u>3</u> | B6 F0L (MG) (M | OLACIN (MCG) | 812 (MCG) | E (MG) | 8. 8. 8. | CALORIES | | WE1GHT (G) |
| OMEL/BCN CHZ Beef Hash Pears | 580 | .032 | 630 | 8 8 | \$88 | .037 | 4. 7.0.4 | ± | | <u> </u> | .80 | 3.53 | 9.16 45.88 | | 356 177 130 | 161 |
| OAT/MAPLE/BS Breadwhite | 180 | 410. | 200 | | 6 6 | . 05 54 | 4. 4. | 99 | | 16 30 | | - 00. | 37.5 | | 237 | 92. |
| ORANGE JUICE COCOA BEV PD | 370 | | 370 1470 | 24.0 | 86. | 88 | 9 | . . | | 7 7 | 5 | 6 | 0 to | | 90 | 222. |
| MILK LOWFAT | 460 | | 460 | o 74 | 60. | 3.6 | ŗņ | · | 3 | = | . 83 | | • • | | * e | 227 |
| | 3060 | .085 | 3190 | 1.6 | 1.36 | 1.24 | 11.0 | 1.04 | | 001 | 2.55 | 6.31 | 187.98 | | 1399 | 887 |

| CHOLESTROL (MG) | 251 | | | | | | | € | 303 | IES WEIGHT (G) | | | | 302 8 | | | | | 13 227 | 16 85 |
|--------------------|-----------------------------|--------------|--------------|------------|---------------|--------------|--------------|-------------|--------|-------------------------------|-------------|--------------|------------|-----------------|------------|--------------|------------------|--------------|-------------|-------------|
| ZINC (MG) | 1.61 | <u>.</u> | 8 | 46 | | | | 88 | 3. tó | CALORIES | | | | | | | | | | 3 1516 |
| NAC (a) | 2.20 | | . 93 | | | .21 | 8 | | 4.37 | CHO (6) | 10.3 | 1.4 | 32.9 | 52.60 | 37.8 | 19.5 | 15.0 | ÷.÷ | 10.8 | 181.83 |
| | α + | | | | | | | | 4 | E (MG) | 6.75 | . 29 | | 1.25 | | | 3 | | | 8.43 |
| MAGNESIUM (MG) | 24 | • | 7 | 17 | 8 | 17 | ◀ | 32 | 122 | B 12 (MCG) | .64 | .86 | | | | | . 1 5 | | .83 | 2.48 |
| POTASS (MG) | 304 | 152 | 98 | 79 | 380 | 246 | 4 | 349 | 1803 | Z | <u>,</u> | ىم | ,,, | يم | _ | | ~ | | _ | |
| SODIUM (MG) | 945 596 | 9 | 477 | 380 | 8 | 10 | - | 113 | 2630 | FOLACIN (MCG) | រីរាំ | .7 | =' | ~ | ř | | -1 | | - | 101 |
| _ | ور نو | ī. | 17 | 82 | 37 | - | ~ | Ξ | Ξ | B6 (MG) | = | .03 | 8 | <u>o</u> | .02 | | . 57 | 8 | 0 | 6. |
| I RON MG) | 2.39 | • | 1.1 | 4.6 | | ₹. | ٠. | • | 7.8 | NIACIN (MG) | 2.4 | 1.9 | 0. | 1 .3 | 8 | ø. | -: | ۳. | ٠ ٣ | 8 2. |
| PHOS (MG) | 249 | = | 102 | 73 | 5 | .66 | ₽D. | 215 | 865 | _ | | | | | | | | | | * |
| CALCIUM (MG) | 17 | ın | 8 | 63 | 18 | 34 | 8 | 277 | 510 | 82 3) (MG) | | | | | | | | | 76. 60 | 17 1.24 |
| ASH (G) | 3.10 | \$ | 1.17 | 50 | .75 | 8. | . 12 | 1.68 | 11.67 | B 1 (MG) | - | • | Ö | .03 | - | Ŧ. | 9. | | 6 | 1.37 |
| 50 | | | _ | | | | | ĬŨ | | D (BMG) | | | 1 0 | | | 79 | 24 | • | 7 | 1.8 |
| 7 (G) | 17.62 | . 17 | 8.2 | 2.40 | .37 | 3.51 | 8 | 4.35 | 65.13 | 10TAL A (1U) | 9 30 | | 550 | | | 370 | 1470 | | 480 | 3480 |
| PROTEIN (G) | 16.24 | .74 | 4.43 | 6.52 | <u>.</u> ō | 1.42 | 8. | 7.55 | 50.70 | CAROTENE TOTAL A (MG) (IU) | .034 | | | | • | | | | | .034 |
| WATER (G) | 113.31 | 131.03 | 16.92 | 26.70 | . 22 | . 56 | 8 | 202.33 | 542.08 | A (UI) | 570 | | 550 | | | 370 | 1470 | | 700 | 3420 |
| DAY 6 BREAKF | WEST OMELET BRKF SAUS DR | PEACHES | BLUEBRY CAKE | BREADWHITE | DRANGE JUICE | COCOA BEV PD | COFFEE INSTA | HILK LOWFAT | NUS | | WEST OMELET | BRKF SAUS DR | PEACHES | BLUEBRY CAKE | BREADWHITE | DRANGE JUICE | COCOA BEV PD | COFFEE INSTA | MILK LOWFAT | SUM |

| CHOLESTROL (MG) | 6 | 4 26 5 | SWEI | | 130 167 237 60 199 75 | | | 1317 817 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------|--------------|------------------------------|-------------------------------------------|--------------|----------|
| ZINC (MG) | 2. 2. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 4. 1. 20 | 6 5. 6 6. | _ | 1 8 | 0 | 56 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 | O (| 02 |
| NACL (G) | 2.38 1.50 .22 .23 | 4.32 | G (e) | | 31.50 46.83 37.88 | | | 170.20 |
| | | | я (рид) | 3.21 | 1.08 | <u>.</u> | , | 4.69 |
| MAGNESIUM (MG) | D-847474 | 167 | B 12 (MCG) | .32 | | <u>.</u> Ru | . | 1.46 |
| POTASS (MG) | 231 147 147 569 380 246 | 2 3 4 9 5 5 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | | | | • |
| SODIUM (MG) | 1038 738 10 113 380 2 107 | 2502 | FOLACIN (MCG) | 21 | 16 30 | 8 | Ξ | 88 |
| | | | 86 (MG) | | 8 2 8 | 57 | 5 | 1.09 |
| IRON (MG) | 22.5. 22.5. 22.5. 23.5. 24. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25 | 8 . 2 . 8 | NIACIN (MG) | 6.4. | æ. ∡. æ. | ب ب ج. ج | ; c ; | 6.7 |
| PHOS (MG) | 81 84 84 85 86 89 89 89 | 2 2 3 88 5 89 7 | | | | | | |
| CALCIUM (MG) | 8 4 0 0 0 0 4 C C C C C C C C C C C C C C | 492 | 82) (MG) | | 60. 69 60. 69 61. | • | | 7 1.20 |
| F (5 | 25 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | B 1 (MG) | * . | 6 - F | - 9 | 8 | 1.57 |
| ∢ ∪ | 44 '+ '+ ' | - <u>-</u> | ပ 📆 | | ო | 24 | 77 | 116 |
| FAT (6) | 22. 8 21. 8 | 4.35 | OTAL A | 520 | 340 | 370 1470 | 460 | 3360 |
| PROTE IN (G) | 21.93 21.35 65.55 15.57 1.40 0.00 | 7.55 | CAROTENE TOTAL A (MG) (IU) | .022 | .014 | | | .036 |
| WATER (G) | 107.52 56.43 133.93 26.70 26.70 .56 | 202.33 531.26 | , (UE) | 480 | 340 180 | 370 | 460 | 3300 |
| DAY 7 BREAKF | OMLT/SAUSPOT HAM SLICES FRUIT COCKTL OAT/MAPLE/BS BREADWHITE ORANGE JUICE COCOA BEV PD COFFEE INSTA | MILK LOWFAT Sum | | OMLT/SAUSPOT | FRUIT COCKTL OAT/MAPLE/BS | ORANGE JUICE COCOA BEV PO | MILK LOWFAT | SUM |

| MAGNESIUM NACL ZINC CHOLESTROL (MG) (MG) (MG) | 20 1.31 4.91 39 7 7 .13 .46 17 .02 .46 17 .21 | 35 7 8 7 8 | 1.15 7.01 214 164 .80 31.05 230 161 31.68 130 165 1.32 47.81 234 60 37.88 199 75 47.30 194 50 1.10 4 1 |
|-----------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| _ | 266 570 703 703 703 703 703 703 703 703 703 7 | 6 8 | 00 2 1 1 2 2 6 2 1 1 2 2 6 2 1 1 2 2 6 8 2 1 1 2 2 6 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| NO SODIUM | 54 598 702 86 8 142 8 142 380 15 30 30 17 107 17 107 1 | 88 (DM) | |
| PHOS IRC (MG) (MG | 124 169 108 122 133 1.88 1.88 23 23 7.7. | 215 902 NIACIN (MG) | ###################################### |
| ASH CALCIUM (G) (MG) | 2.28 2.78 29 1.50 63 1.50 63 1.00 34 1.20 34 | 1.68 277 11.20 463 11.20 463 11.20 463 11.20 463 | |
| FAT (G) | | 6 G + 1 | 200 1470 24 260 24 24 24 24 |
| PROTEIN (G) | • | 3 7.55 4.31 3 49.47 33.21 CAROTENE TOTAL A (MG) (IU) | o. o. |
| KF WATER (G) | | 600.63 600.63 | ON 180 ER 180 PD 1470 TA 460 |
| DAY 8 BREAKF | CR GR BEEF POTATO/BACON PEARS OAT/STRAWBER BREADWHITE GRAPE JUICE COCOA BEV PO | SUM SUM | CR GR BEEF POTATO/BACON PEARS 1 DAT/STRAWBER GRADWHITE GRAPE JUICE COCOD BEV PD CUFFEE INSTA |

| COCCA BEV PO COFFEE INSTA MILK LOWFAT SUM | (G) 113.31 56.43 131.03 26.70 22 .22 .56 .56 | (G) 16.24 21.35 21.35 6.52 1.10 1.42 7.55 54.93 | (6) (6) 21.35 16.24 74 17.62 74 17.10 1.10 37 1.42 3.51 7.55 4.35 | 3.10 2.11 2.11 2.11 7.50 1.00 1.00 1.68 | (MG) 1000 1000 1000 1000 1000 1000 1000 10 | . - | (MG) (MG) 249 2.39 175 1.35 18 1.88 73 1.88 29 .37 99 .41 864 7.04 | | (MG) 945 738 10 380 107 113 | (MG) 304 224 152 79 380 246 41 349 | (MG) 24 21 27 77 17 17 125 | 44 | | (MG) 1 - 6 - 1 - 6 - 1 - 6 - 1 - 15 - 15 - 15 | (MG) 251 58 58 18 |
|----------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------|------------|-----------------------------------------------|------------------------------------------------------------|-------------------------------------------------|-----------------------------------------|------------------|--------------------------------------------------|-------------------------------|
| | 4 000 | CAROTENE TOTAL A (MG) | 707AL A (10) | ပ် (((((((((((((((((((| B (MG) | 82 (MG) | NIACIN (MG) | 86 (MG) | FOLACIN (MCG) | | B 12 (MCG) | () () () () () () () () () () | 9 9 9 9 | CALORIES | ES WEIGHT |
| WEST OWELET | 570 | .034 | 630 | | E1 . | .32 | 4 c | 4. | | | .64 | 6.75 | 10.38 | | |
| HAM SLICES PEACHES RDFANWHITF | 550 | | 550 | NO. | . 0. | .03 | 4 O & | - 6 6 | - v r O | | . | | 32.94 | | |
| ORANGE JUICE COCDA BEV PD | 370 | | 370 | 79 | | 90.0 | | . 57 | | | <u>.</u> 70 | 5 | 19.56 | | |
| COFFEE INSTA | 460 | | 460 | 80 74 | 60 | 37. | 4.0 | 8°5° | - | | .8 3 | | 1. 10 10.89 | 4 13 | |
| | | | | | | | | | | | | | | | |

| BREF SAUS DE OAT/APPLE/CN | 120.84 50.98 3.78 | 20.56 12.69 5.27 | - (1 | | | | | | (MG) 704 596 136 | (MG) 297 157 500 | | | | <u> </u> | MG) (MG) 1.61 263 1.20 34 |
|-------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|--------------------------|--------------------------------------|---------------------------------------|------------|--------------------------|-----------------------------------------|----------------------------|---------------------------|----------------------|-----------------|-------------------------|----------|---------------------------------|
| APL COFFE CK BREADWHITE ORANGE JUICE COCOA BEV PD COFFEE INSTA MILK LOWFAT | 22.36 26.70 .22 .52 .56 .03 | 3.56 6.52 1.10 7.42 7.55 | | 1.03 1.50 1.00 1.00 1.68 | 3 25 0 63 5 18 0 34 2 2 2 | | 131 1. 29 2. 99 1. | 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 286 380 107 113 | 106 1380 246 41 | o t u t 4 % | , ", | | | 88. |
| • | 427.80 A (2U) | 58.68 61.9 | 61.98 TOTAL A (10) | 11.91 C (MG) | # 519 | B2 (MG) | NIACIN (MG) | 97 .86 (MG) | FOLACIN (MCG) | 222 | 160 B 12 (MCG) | 3.70 F. (mG) | 95 95 95 | _: O | 4.16 CALORIES |
| HAM EGGS BRKF SAUS DR | 670 | | 670 | | Ŧ.Ŧ. | | 2.6 9.6 | 60. | 80 80 81 81 81 | | 4.8 | 1.45 | 1.88 | | ลีต |
| OAT/APPLE/CN APL COFFE CK BREADWHITE | 6 | 610. | 200 | ; | # 0 + 1 # 0 + 1 | 9 ± = ; | 4 | 9.8.8 | ± 2 6 | | | 1.20 | 46.90 48.84 37.88 | | 236 257 199 |
| COFFEE INSTA | 1470 | | 470 | 2 4 80 | | 888 | \$ - , - , | .s. | N | | <u>.</u> . | į. | 19.56 | | ~ ~ |
| MILK LOWFAT | 7 70 | 5 | 60 | n ; | 6 8 | . 37 86 | | ę : | Ξ 8 | | | ; | 10.89 | | |

| TROL | | | _ | | | | | | | | | ** | WEIGHT (G) 222 170 170 170 175 175 175 175 175 175 175 175 175 175 | 952 |
|-------------------|----------------------------------------|-----------------|-------|------------|-------------|--------------|--------------|-------|---------------|--------------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------|----------|
| CHOLESTROL (MG) | 78 | • | 0 | | | | | | | <u>+</u> | 2 | 96 | 10 | 1570 |
| ZINC (MG) | 2.22 | 8 | 9 | 7. | 97. | .57 | | • | | ď | | 4.88 | - | |
| (e) | 99 | 73 | 0 | 61 | | .24 | 5 | | 8 | } | | 3.76 | CTO (G) (G) 7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | 205 . 16 |
| | - | | | | | | | | | | | 6 | 89 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 7.80 |
| MAGNESIUM (MG) | 47 | | 17 | S | 17 | 35 | - | | • | , 6 | 7 | 208 | 812 (#CG) . 44 | 1.27 |
| POTASS (MG) | 599 | 488 | 179 | 6 | 79 | 144 | 9 | c | ` - | | 7) T | 1950 | • | 104 |
| SODIUM (MG) | 837 | 332 | 221 | 295 | 380 | 109 | 1 | c | • | - (| £1. | 2295 | ğ., | |
| | o | 7 | ~ | • | 80 | 80 | | |) F | | _ | 0 | 88 3.38 (86) 0.02 0.02 0.03 0.03 0.03 0.03 | . 73 |
| I RON (MG) | œ. | 1.2 | ir. | + | 8 . | Ċ | ٥ | | . c | | - | 6.60 | 18.4 18.4 1.2 1.3 1.3 1.3 1.3 1.3 2.4 2.4 | 26.4 |
| PHOS (MG) | 369 | 46 | 57 | 72 | 73 | 73 | - | • • | > 4 | ָר ת ני | 215 | 911 | • | |
| CALCIUM (MG) | 0 | 58 | 4 | 22 | 63 | σ | | ٠ ر | > 0 | N 1 | 277 | 476 | (MG) (MG) (MG) (MG) (MG) (MG) (MG) (MG) | 1.04 |
| | | | | | | | | _ | | | | _ | (80 (80) (00) (00) (01) (01) (01) (02) (03) (03) (03) (03) (03) (03) (03) (03 | 6 |
| ASH (6) | 2.8 | 1.70 | 1.0 | | 1.50 | | 3 5 | • | . · | . 12 | - | 10.50 | C (#G) 2 2 17 17 17 2 8 8 8 8 8 | 52 |
| FAT (G) | 10.57 | 1.78 | 35 | 23.40 | 2 | 9 0 | | 3 8 | 3.3 | 8 | 4.35 | 52.47 | 107AL A (1U) 1330 270 270 0 | 2910 |
| PROTEIN (G) | 38.03 | 3.38 | 3.20 | 7.7 | A 5.3 | | | 2 6 | 8 | 8 | 7.55 | 69.25 | CAROTENE TOTAL A (MG) (1U) . 799 1330 . 159 270 . 002 0 | . 960 |
| WATER (G) | 163, 50 | 120.61 | 84 56 | | 36.36 | 2 6 | | 0.4 | 8 | | 202.33 | 614.38 | (1U) (850 | 1310 |
| DAY 1 DINNER | ************************************** | CTY CAN CONTAIN | | CORS EN CO | TATA CANAGE | BKEAUWHI I E | PEANUI BUI | JELLY | BEVERAGE BSE | COFFEE INSTA | MILK LOWFAT | NUS | CHIX BR/GRVY GL SW POTATO CORN WK D POUND CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA | wns |

| The cock | COFFEE INSTANTANT BEANS 155.01 1.05 1.05 1.05 1.05 1.05 1.05 1. | | DAY 2 DINNER | WATER (Q) | PROTEIN (G) | | | | CALCIUM (MG) | PHOS (MG) | IRON (MG) | SOD (M | * | POTASS (MG) | MAGNESIUM (MG) | | NACL (G) | 74 (| ZINC (MG) | INC CHOLESTROL |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------|-----------------|------------------|---------|------------|----------------|-----------------|--------------|--------------|-------------|---------|----------------|-------------------|--------|-------------|------|--------------|----------------|
| FRUIT COCKTI (33.93 . 65 . 12 . 36 10 18 . 46 . 10 147 . 6 FRUIT COCKTI (33.93 . 65 . 12 . 36 10 15 17 18 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 17 19 18 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | FRUIT COCKTI. 133.93 | | LASAGNA GREEN BEANS | 178.01 95.26 | 24.73 1.53 | # O | | 38 | 562 43 | 428 22 | 4.16 | 90 | | 492 | 4 4 | N | 2.39 | | 5. ±3 | 5. 13 36 |
| PERMITTEL 26.70 6.52 2.40 1.50 63 73 1.88 380 79 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18 | SUM CANDINATION TO CAST STATES AS THE STATE STATE STATE STATE STATES AS THE STATE STATE STATE STATES AS THE STATE STATES AS THE STATE STATES AS THE STATES A | | FRUIT COCKTL | 133.93 | .65 | - | | 38 | 9 | 8 | 84 | • | | 147 | . | | 3 | | 3 = | 3 = |
| PERMIT BUT 7.28 6.30 9.59 6.9 9 73 3.6 109 144 35 BEVERAGE BSE 0.00 0.00 19 0.00 0.00 0.00 0.00 0.00 0 | National State 1.28 | | BREADWHITE | 26.70 | 6.52 | 4.6 | _ | ဂ္ဂ | 63 | 73 | 1.88 | (r) | | 79 | 17 | | | | 7 | 7 |
| UNITED TO THE TOTAL A 185 | Coffee Instance Coffee Ins | | - | . 28 | 6.30 | 9.5 | | 59 | o | 73 | .36 | = | | 144 | 80 | | 24 | • | , F | |
| SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 832 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 832 7.95 1839 1363 175 3 A CAROTENE TOTAL A C 81 82 NIACIN 86 FOLACIN 812 E READMITE (TU) (MC) (MC) (MG) (MG) (MG) (MG) (MG) (MG) (MG) (MG | COFFEE INSTANCE BSE COOR COOR </td <td></td> <td>UELLY</td> <td>4.85</td> <td>£.</td> <td>0</td> <td></td> <td>23</td> <td>-</td> <td>-</td> <td>8</td> <td></td> <td></td> <td>œ</td> <td>-</td> <td></td> <td>č</td> <td>•</td> <td>;</td> <td>.</td> | | UELLY | 4.85 | £. | 0 | | 23 | - | - | 8 | | | œ | - | | č | • | ; | . |
| COFFEE INSTA COFFEE INSTA COFFEE INSTA COFFEE INSTA OCTOBER IN | CUPFEE INSTA 2.03 .00 .00 .12 2 5 .07 11 113 349 32 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 LASAGNA GREEN BEANS (IU) (MG) (MG) (MG) (MG) (MG) (MG) (MG) (MG | | BEVERAGE BSE | <u>\$</u> | 8 | Ŏ. | | 6 | 0 | 0 | 8 | | | · c | - | | 5 | | | |
| SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 32 | NILK LOWFAT 202.33 7.55 4.35 1.68 277 215 .11 113 349 32 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 3 LÁSAGNA GREEN BEANS .299 380 .13 46 1.5 .18 82 .51 2.31 PERMUNHITE 850 .002 .00 .00 .00 .00 .00 .00 .00 .00 . | | COFFEE INSTA | 93 | 8 | Ó | | 2 | N | sp. | .07 | | | , - | 7 | | 8 | | | |
| SUM 641.39 47.42 29.92 10.51 967 833 7.95 1939 1363 175 175 1839 1363 175 175 1839 1363 175 175 1830 1363 175 175 1830 1363 175 175 175 175 175 175 175 175 175 175 | SUM 641.39 47.42 29.92 10.51 967 833 7.95 1839 1363 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 | | MILK LOWFAT | 202.33 | 7.55 | 4.3 | | 88 | 277 | 215 | Ξ | - | | 349 | 35 | | 3 | 88 | _ | ± |
| LASAGNA LASAGNA LASAGNA (TU) (MG) (TU) (MG) (MG) (MG) (MG) (MG) (MG) (MGG) GREEN BEANS (219 360 | LASAGNA LASAGNA (TU) (MG) (TU) (MG) (MG) (MG) (MG) (MG) (MG) (MG) (MG | | SUM | 641.39 | 47.42 | 29.9 | | <u>.</u> | 196 | 833 | 7.95 | . | - | 363 | 175 | 6 | 3.23 | 7.18 | | |
| LASAGNA GREEN BEANS GREEN GREEN GREEN GRE | LASAGNA QREEN BEANS QREEN GOOD | | | | CAROTENE (MG) | TOTAL A | | 8 1 (34 G) | | _ | _ | 98 <u>9</u> | FOLACIÑ | | 722 | m Š | £3 | | * | CALORIES |
| GREEN BEANS .219 360 .02 .06 .2 .02 18 FRUIT COCKTL 340 3 .03 .03 .06 .2 .02 18 BREADWHITE .19 .16 1.8 .02 30 BEALUT BUT .850 .17 .44 .02 2.4 .04 .14 JELLY .002 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 | GREEN BEANS .219 360 .02 .06 .2 .02 18 FRUIT COCKTL 340 340 3 .03 .06 .2 .02 18 PEANUT BUT 850 17 .44 .02 2.4 .04 14 PEANUT BUT 850 17 .44 .02 2.4 .04 14 DELY RAGE BSE 26 .00 .00 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 <td< td=""><td>4</td><td>LASAGNA</td><td></td><td>.890</td><td>980</td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>(a) #</td><td>(m(c)</td><td>9</td><td>9</td><td>•</td><td>į</td></td<> | 4 | LASAGNA | | .890 | 980 | | | • | | | | | | (a) # | (m(c) | 9 | 9 | • | į |
| 850 17 .44 .02 2.4 .04 14 14 .02 2.4 .04 14 14 .02 2.6 .00 .00 .00 .00 .00 .00 .00 .00 .00 . | 850 17 .44 .02 2.4 .04 14 850 17 .44 .02 2.4 .04 14 850 26 .00 .00 .00 .00 .00 8 .00 .460 .2 .09 .37 .2 .10 11 .83 | 9 | GREEN BEANS | | .219 | 360 | | Ö | | | | 2 : | (CT | - | | | | D • | -, | 9 |
| 850 850 17 .44 .02 2.4 .04 14 .02 30 .00 .00 .00 .00 .00 .00 .00 .00 .00 | 850 17 .19 .16 1.8 .02 30 .002 0 0 .00 2.4 .04 14 26 .00 .00 .0 .00 .00 460 460 2 .09 .37 .2 .10 11 .83 | | FRUIT COCKTL | 340 | | 340 | n | Ö | | | | . 6 | 2 | | | 7 | * * | p 9 | • | P (|
| 850 850 17 .44 .02 2.4 .04 14 14 .02 2.6 .00 .00 .00 .00 .00 .00 .00 .00 .00 . | 850 17 .44 .02 2.4 .04 14 14 .02 2.5 .00 .00 .00 .00 .00 .00 .00 .00 .00 . | | BREADWHITE | | | | | 1. | | | | .02 | ဓ | | | | 37. |) œ | _ | 2 0 |
| 002 0 .00 .00 .00 .00 .00 .4 .00 .4 .00 .4 .83 | . 002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | PEANUT BUT | 920 | | 850 | 17 | 7 | | | | 6 | 4 | | | 70 | \ \ \ | و و | • | 000 |
| 460 460 2 .09 .37 .2 .10 +1 | 26 8 .00 .4 .00 460 2 .09 .37 .2 .10 11 .83 1650 .811 2990 56 .90 1.11 7.1 .44 156 1.34 | | JELLY mewentor nor | | .005 | 0 | 0 | Š | | | | 8 | | | | : | on on | . IC | | 37 |
| 480 480 2 .09 .37 .2 .10 11 | 460 8 .00 .4 .00 2 .09 .37 .2 .10 11 .83 1650 .811 2990 56 .90 1.11 7.1 .44 156 1.34 | | BEVERAGE BSE | | | | 5 0 | | | | | | | | | | 37. | 9 | _ | S. |
| K LUWFA! 460 460 2 .09 .37 .2 .10 11 | K LUWTA! 460 460 2 .09 .37 .2 .10 11 .83 | • | COPPER INSIA | • | | | 60 | | | | | 8 | | | | | - | 2 | | 4 |
| | 1650 .B11 2990 56 .90 1.11 7.1 .44 156 1.34 | | MILK LOWFAT | 460 | | 460 | ~ | . | | | | ٠ 9 | = | • | 83 | | 10.89 | 9 | _ | 113 |
| 1650 .84 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4 | | | SUM | 1650 | | 2990 | 1 0 | 6 | · | | | 7 | 4 | ٠ | 7 | 0 | | • | • | • |

| CHOLESTROL (MG) | 72 15 | 2. | 2 | 127 | WEIGHT (G) | 248 | 101 | 7.4 | 2.5 | 7 6 | 2 | 227 | 973 |
|--------------------|----------------------|----------------------------------------|--------------------------------------------------------------------|-------------|-----------------------|--------------|-------------|-----------|----------------|-------|--------------|-------------|----------|
| 2 5 | | | | | ZIES | 317 | 59 | 278 | 29 | 37 | <u>}</u> | £ | 573 |
| ZINC (MG) | £88 | 37.4 7.8 | .57 | 90.08 | CALORIES | | | | | | | | |
| | | | | | £ (9) | 5.96 | 10.7 | 38.3 | . . | 1.0 | u . − . | 10.8 | 203.69 |
| NACL (G) | 1.54 | .37 | 2.0. | | | • | | | - | - | | | Ñ |
| | | | | • | m (5# | 1.24 | . 32 | . 93 | . 70 | | | | 4.36 |
| MAGNESIUM (MG) | 15 15 | 36 | 35 45 | 2.2 | B 12 (MCG) | 1.24 | | | | | | .83 | 2.07 |
| ASS G) | លស∢ | 40 | 4 0 O - 0 | v | | - | | | | | | | N |
| POTASS (MG) | 4 9 6 | ナト | 44 6 6 14 14 14 14 | 898 896 | Z_ | | | | | | | | |
| = | | | | _ | FOLACIN (MCG) | 27 | O. | 9 2 | 4 | | | Ξ | - |
| SODIUM (MG) | 1015 | 219 | 109 100 113 | 2648 | 5) | | | | | | | | |
| Ś | | | | | 86 (MG) | 90 | 8 | 8 8 | 9 | 8 | 8 | ₽. | . 56 |
| IRON (MG) | 52 | 930 | 8886 | 4.49 | _ | | | | | | | | |
| # 2 | r, 41 - | | | 4 | Z_ | ~ ~ | 7 | co c |) 4 | 0 | 4 | 6 | 7 |
| 10 C | ~~~ | | w - C 10 10 | ο. | NIACIN (MG) | 11.7 | • | • | . ~ | • | • | | 20.7 |
| PHOS (MG) | 412 | 5.5 | E - 0 e e | 1042 | | | | | | _ | _ | _ | _ |
| ¥ (| | | | | 82 (#G) | .52 | Ö | 5 | . 6 | 8 | 8 | . 37 | 1.29 |
| CALCIUM (MG) | 36 30 | 91 | 9 1 0 277 | 467 | _ | ~ " | _ | 10 d | | _ | | | m |
| | | | | _ | 81 (86) | .02 | ó | 8 = | 4 | Š | | 60. | 1.18 |
| ASH (G) | 2.66 | 1.50 | . 69 . 03 . 19 . 12 . 168 | 11.50 | _ | | | | | | | | |
| | | | | • | ပ် 🙀 | | | | 17 | 0 8 | 9 89 | 7 | 53 |
| FAT (G) | 11.33 8.47 | 11.80 | 9.59 .00 .00 .00 .00 | 8 4 8 | 4 | | _ | _ | _ | _ | | _ | _ |
| | ∓ ∞ | = 2 | o 4 | 4 | 0TAL / | | 5430 | 8 | 850 | 0 | | 460 | 6840 |
| PROTE IN (G) | 0.95 | 23 | 8. ± 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. | 2 | CAROTENE TOTAL A (MG) | | | | | | | | |
| PRO] | 47.70 | 4.69 6.52 | 9 | 80.52 | (MG) | | 3.261 | .019 | | .00 | | | 3.282 |
| | | | | | | | က် | • | | • | | | ю. |
| WATER (G) | 180.78 106.90 | 15.47 26.70 | 4.85 00 .03 202.33 | 628.64 | (1U) | | | 70 | 850 | | | 460 | 1380 |
| ¥ C | ₩ 0 0 | , = ⊼ | 50, | 621 | | | | | _ | | | | ¥ |
| DAY 3 DINNER | BEEF POT RST RICE | MIA VEGETOL CHOC CAKE BREADWHITE | PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA MILK LOWFAT | wns | | BEEF POT RST | MIX VEGETBL | CHOC CAKE | PEANUT BUT | JELLY | COFFEE INSTA | MILK LOWFAT | SUM |

| TROL | , | | | WEIGHT (G) | 184 | 167 167 | 120 | 177 | 38 | - | 227 | 1047 |
|--------------------|---------------------------------------|--------------------------------------------------------------|--------|-----------------------|----------|-------------|----------------------------|------------|--------------|--------------|--------------|---------|
| CHOLESTROL (MG) | 93 73 | 33 | £ | CALORIES | 389 | 232 | 20 | 145 | 730 +20 | • | + 13 | 1537 |
| ZINC (MG) | | | 3, 12 | CHO CAL | 5.70 | 99.68 | 5.23 | 5. 18 | 40.73 | 0 | 0.89 | 212.87 |
| NACL (G) | 1.67 | .52 | 5. 17 |) (SMS) | 1.31 | | | | | • | - | 3.57 21 |
| MAGNESIUM (MG) | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 81 45 | 53 | 812 (MCG) (M | .48 1. | | • | | - | | 83 | |
| POTASS M (MG) | 718 74 72 | 88 0 1 4 6 8 0 1 4 6 | 1633 | | - | | | | | | 7. | 2.30 |
| (DW) | 6 + 8 4 8 2 8 8 3 5 5 4 | 322 | 2876 | FDLACIN (MCG) | 36 | 2 9 | . | - | . ▼ | | Ξ | 126 |
| TRON S(| 20 20 20 20 | | . 78 | B6 (MG) | .20 | 8.8 | 2 | SO. | <u>.</u> | 8 | ō | 4. |
| | | | 086 | NIACIN (MG) | 7.0 | 6.4 | 90 | <u>د</u> . | 6. | ₹. | 7. | 13.4 |
| (UN PHOS | | 2 ± 0 × ± | | 82 (MG) | .39 | .26 | 50 | S | .07 | 8 | .37 | 1.40 |
| H CALCIUM (MG) | | 2000 | 4 726 | 81 (MG) | .36 | 4.6 | 8 8 | 0. | .03 | | 60. | 1.06 |
| ASH (G) | 3.33 | | 10,54 | ပ (စုနှ | • | | | ~ | ; | Ø 60 N | 8 | 9 |
| FAT (6) | 25.26 4.20 10.80 | 2. 32 32. 34 32. 35 35. 36 35. 36 | 50.72 | TOTAL A | | 6 | 10220 | 20 | 20 | | 460 | 11300 |
| PROTEIN (G) | 24.62 6.80 10.08 | 2. 4. 6. 5. E | 57.29 | CAROTENE TOTAL A (MG) | | | . 673. 433 | | .013 | | | 6.218 |
| WATER (G) | 95.01 27.20 123.65 | 22.73 20.73 20.33 202.33 | 715.99 | (UI) | | • | 460 | 20 | } | | 460 | 940 |
| DAY 4 DINNER | BBQ PORK HAMBURG ROL MAC/CHEESE | PEAS/CARROTS APPLESAUCE SPICE CARE BEVERAGE BSE COFFEE INSTA | SUM | · | BBQ PORK | HAMBURG ROL | MAC/CHEESE DEAC/CADDATE | APPLESAUCE | SPICE CAKE | BEVERAGE BSE | MILK LOWFAT | SUM |

| TROL | | ME I GHT (G) 168 168 113 74 75 21 14 38 12 12 14 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| CHOLESTROL (MG) | 69 0 5 6 5 6 6 7 | |
| | 6.70 00.00 00.00 7.42 88 87.00 7.00 | CALO |
| NACL (G) | 1.20 1.20 1.20 1.00 1.00 1.00 1.00 1.00 | CHO (G) 3.40 17.46 6.01 40.73 37.88 4.39 4.39 15.08 37.56 10.00 10.89 15.00 10.89 |
| | ~~ | |
| MAGNESIUM (MG) | 35 121 121 120 135 140 140 140 140 140 140 140 140 140 140 | 812 (MCG) .84 .83 |
| POTASS (MG) | 308 411 136 88 88 79 144 0 0 4 1 1562 | |
| SUDIUM (MG) | 4432 4433 322 322 380 109 7 7 113 113 | FOLACIN (MCG) (MCG) 15 8 8 4 4 30 11 15 15 15 15 15 15 15 15 15 15 15 15 |
| •• | | (#G) (#G) (#G) (#G) (#G) (#G) (#G) (#G) |
| IRON (MG) | 20.4 20.4 20.0 20.0 20.0 20.0 20.0 20.0 | 14 (MG) (MG) (MG) (MG) (MG) (MG) (MG) (MG) |
| PHOS (MG) | 171 61 23 115 73 73 73 73 73 73 73 73 73 73 73 | Ž |
| _ | 10 52 38 27 63 9 1 1 1 480 | 82 (MG) (25 (02 (02 (03 (03 (03 (04 (04 (04 (04 (04 (04 (04 (04) (04 (04) (04) |
| CALCIUM (MG) | | 88.1 (MG) (MG) (O3) (O3) (O3) (O3) (O3) (O3) (O3) (O3 |
| ASH (G) | 1.89 1.10 1.10 1.10 1.89 1.50 1.90 1.19 1.68 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0 | C (NG) 0 17 0 26 8 8 8 53 |
| FAT (G) | 86.06 9.59 9.59 9.59 9.59 8.35 8.35 8.35 | 960 960 9770 20 850 0 460 |
| PROTEIN (G) | 29.37 3.717 9.71 6.30 6.30 0.00 7.55 | CARDTENE TOTAL (IU) . 161 960 3.461 5770 .013 20 .002 0 460 3.637 8060 |
| WATER (G) | 124.81 138.89 104.76 22.73 26.70 .00 .00 202.33 625.37 | (110) 690 850 460 |
| DAY 5 DINNER | PEPPER STK V POTATO/81RSC CARROTS SLIC MARBLE CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA MILK LOWFAT | PEPPER STK V POTATO/BIRSC CARROTS SLIC MARBLE CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA MILK LOWFAT |

| CHOLESTRUL (MG) | 97 10 | 0 | | & | 5 | (9) | 236 | 5 | 2 10 | 7 | 7 8 | - | 227 |
|-------------------|------------------------------------------|------------------|-----------------------------------------------------|--------------|-----------------------------------------|-----------------|---------------------------|-------------|------------|------------|-----------------------|--------------|-------------|
| | | | . ~ | | 00 | 2147 | 282 146 | 2 6 | 5 6 | 129 | . 37 | 5 4 | 113 |
| (MG) | 4 .88 | ₹8. 4 | in | .88 | 1 | | 6.80 | 89. | 2 60 | 38 | £. | 8 Q | .89 |
| (0) (0) | 1.20 | 3 9 | <u>4</u> .0 | 3 | | (E) | | | | | ָּה (| 7 | Ç |
| E (S | ~ ~ • | | . n = = | . 0 | |) (S#) | . 47 | 7 | - | .70 | | | |
| MAGNESIUM (MG) | 222 | - | i ii | 35 | | (B) | .47 | | | | | | .83 |
| (MG) | 411 | 372 79 | 4004 | 349 | _ | | | | | | | | |
| _ | | 200 | <u> </u> | | i v | (MCG) | 1 8 5 5 | . | ာ ဇို | 7 | | | = |
| (MG) | 8 4 (| , C. E. | 0 0 | 113 | | (S#G) | .24 | 88 | 38 | 3 | 8 | 8 | 9 |
| (SM) | 2.29 1.13 | 2.48 1.88 | 888 | }= | | | • • | • | • | • | • | • | • |
| · · | m ← c | 1 F 60 | m - Ou | ı ka | NECATIN NECATIN | (SM) | 10.9 | 4.0 | . — | 2.4 | ó | ₹. | 7 |
| (F) | மீக | 16, | . . | 21.00 | | (S) | .28 | 8 : | 4 6 | 05 | 8 | 8 | .37 |
| (MG) | 222 | 3 - 5 | 0-00 | 27.7 | | _ | | | | | | • | |
| | 0.00 | . . | 8 8 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 99. | | <u>§</u> | 6.6 | βŠ | 5 - | 4 | ĕ | | 6 |
| (B) | 2.60 | | | . 📮 | c | (BEG) | 0 | | | 17 | ٥ | 8 8 | ĸ |
| E © | 6.61 | 2.78 | e 8,69,6 | 4.35 | • | . | | | | _ | _ | | _ |
| 2 | = 0 | 40 | 1 0 7 | • | 1014 | (3) | 380 | 360 | - | 850 | 0 | | 460 |
| PROTEIN (G) | 38.30 | 3. 12 | e - 88 | 7.55 | # S S S S S S S S S S S S S S S S S S S | (MG) | . 229 | .219 | | | .002 | | |
| (G) | 177.00 | 101.82 | # # S S | 202.33 | | , (<u>2</u> | 069 | Ş | | 850 | | | 460 |
| (8) | 171 | 101 | | 202 | | Ē | | • | • | • | | | 4 |
| DAT 5 UINNER | CHIX CACC POTATO/BTRSC GDFFN RFANS | CHOC PUDDING | PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA | MILK LOWFAT | | | CHIX CACC POTATO/BTRSC | GREEN BEANS | BREADWHITE | PEANUT BUT | JELLY Britance Art | COFFEE INSTA | MILK LOWFAT |
| 5 | E C S | 5 6 E | 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | MIL | | 5 | 중 53 | 8 2 | 88 | PEA | J. 1 | CO | MIL |

RECORD OF NUTRITIVE VALUES TRATION FY90 REVISED

| STROL | € | , m | a ~ | WE I GHT (G) | 169 | 548555 | 227 | |
|-------------------|---------------------------|--------------------------------------------------------|-------------------------|------------------|---------------------------|-------------------------------------------------------|-------------------------------------------------------|---------------|
| CHOLESTROL (MG) | • | 4 | # 72 | CALORIES | 232 | 55655 | 113 | |
| ZINC (MG) | 64. 08. | | | CALO | 9 15 Q 1 | 82828 | 800 m | |
| NACL (G) | 1.04 | 8 8 | 3.32 | 0+3 (c) | 36.7 | 8 | 17.56 1.10 10.89 171.68 | |
| | <u>+</u> + | · | ં ભં | F (100) | ŗ. | .2. | . 72 | |
| MAGNESIUM (MG) | 7 9 | o on 🔻 | 32 4 | B 12 (MCG) | | | 8. 8. E. E. | |
| POTASS (MG) | 765 74 | 25. 8 E & O | 349 | FOLACIN (MCG) | 15 30 | ம் . | 4.1 6.2 | ı |
| SOD I UM | 66 708 482 | 485 208 150 85 0 | 113 | _ | | | | |
| | 0.00 | 8 | | 86 (AG) | 2.0. | . 08 1. 30 | 80. 19. |) |
| IRON (MG) | 4 W W | 84. 81. 40. 60. | 11.91 | NIACIN (MG) | 6.9 3.2 | ة ن ن ن ن | 4.4. 10. |) . |
| PHOS (MG) | 315 211 66 | 82.02 80.00 80.00 80.00 | 215 1106 | | | | | |
| CALCIUM (MG) | 5 08 0 80 80 | ō <u>8</u> 4 5 4 0 | 2 277 272 | B2 (MG) | 4-4 | 8 2 9 8 | 9. . | |
| | | | | B 1 (MG) | 200 | 8 8 9 8 8 | 60. |) |
| ASH (6) | 1.78 | .38 .72 .52 .23 .53 | 1.68 | ပ် | | 533 | 9 7 7 8 9 | 70 |
| FAT (G) | 17.64 6.41 4.20 | . 15.69 .08 .03 .07 | 4.35 | T0TAL A (TU) | | 340 3130 280 | 460 | 4210 |
| PROTE IN | 31.85 11.96 6.80 | 8.64. 8.00.00 8.00.00 | .00 7.55 | CAROTENE TOTAL A | | | | |
| WATER (G) | 110.45 | 133.93 18.20 13.72 9.62 7.56 | .03 202.33 607.85 | 41) | | 340 3130 280 | 460 | 4210 |
| DAY 7 DINNER | HAMBURGERS BAKED BEANS | FRUIT COCKTL CHEESE SPRED CATSUP MUSTARO RELISH RELISH | COFFEE INSTA | | HAMBURGERS BAKED BEANS | HAMBURG RUL FRUIT COCKTL CHEESE SPRED CATSUP | RELISH BEVERAGE BSE COFFEE INSTA MILK LOWFAT | SUM |

| SIUM NACL ZINC CHOLESTROL S) (G) (MG) (MG) | 2.99 7.65 2.19 | 6.45 9.57 136 E CHO CALORIES WEIGHT (MG) (G) (G) | 17.50 516 47.75 285 19.95 96 40.73 230 37.88 199 4.39 129 9.15 37 10 80 10 10 10 |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| POTASS MAGNESIUM (MG) (MG) | 100 179 179 179 179 179 179 179 179 179 179 | 2080 194 N B12 (MCG) | |
| SODIUM PO | 1169 11 1015 221 322 380 109 1 0 | FOLACIO (MCG) | 65-14-64 57-14-64 57-14-64 |
| IRON (MG) | 2.04 2.05 2.06 3.06 3.06 0.00 0.00 | 12 12.49 12.49 NIACIN B6 (MG) (MG) | 4.22 4.23 4.28 4.28 4.24 4.20 4.20 4.20 6.20 4.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6 |
| CALCIUM PHOS (MG) (MG) | 69 306 26 77 4 57 27 115 63 73 9 73 1 1 1 0 0 0 | 478 922 B2 NI (MG) (| 4.00.05.05.05.05.05.05.05.05.05.05.05.05. |
| ASH (6) | | 11.11 C B1 (MG) (MG) | 20 20 20 24 24 20 20 20 20 20 20 20 20 20 20 20 20 20 |
| IN FAT | | 65.14 TOTAL A (10) | 270 20 850 460 |
| PROTEIN (G) | | 66.60 65.1 CAROTENE TOTAL A (MG) (1U) | .013 |
| WATER (G) | 166.79 106.90 84.56 22.73 26.70 26.70 4.85 4.85 6.03 | 615.18 (1U) | 80 00 00 00 |
| DAY 8 DINNER | CHILI RICE CORN WK D MARBLE CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFES INSTA MILK LOWFAT | | CHILI RICE CORN WK D MARBLE CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA MILK LOWFAT |

| CHOLESTROL (MG) | 5 0 | 60 +- 09 | WEIGHT (G) | 3 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------|
| ZINC CHO | 6.000.00.4.4.7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2 | | CALORIES 245 146 146 149 150 150 113 113 113 113 113 113 113 113 113 11 | 5 |
| NACL 21 (G) (W | 6. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. | | CHO (G) 17.76 14.75 34.75 34.75 4.39 9.15 9.15 10.89 | ¥0.54 |
| | ≠ ** | • | 71 | · |
| MAGNESIUM (MG) | 622+ 67-48-88-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4- | 32 | 833 | • • |
| POTASS (MG) | 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 349 101 | Z | • |
| MUICOS (MG) | 731 190 190 295 380 109 7 | 23. | FOLACIN (MCG) (MCG) 155 99 155 156 157 157 157 157 157 157 157 157 157 157 | |
| | 90 4 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | 8 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | |
| IRON (MG) | 20. 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | Ψ, | MIACIN | > |
| PHOS (MG) | 24 64 74 74 74 74 74 75 75 75 75 75 75 75 75 75 75 75 75 75 | 8 | _ | |
| CALCIUM (MG) | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | 7 | # # # # # # # # # # # # # # # # # # # | |
| ASH 0 | 1.2. 1.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3. | 1.68 0.30 | | |
| | | in = | | ; |
| FAT (6) | 6.61 6.61 7.27 7.23 7.23 7.24 6.61 7.24 6.61 6.61 6.61 6.61 6.61 6.61 6.61 6.6 | 68 &. G. | 850 850 460 | 3 |
| PROTE IN (G) | 34.00 3.77.00 3.07.7 3.07.7 6.52.00 6.52.00 | 7.55 66.38 | CAROTENE TOTAL A (MG) (1U) .161 960 3.261 5430 .002 0 460 | 777.7 |
| WATER (G) | 117.82 138.89 91.31 115.75 11.55 26.70 26.70 .00 | 202.33 | (1U) 690 850 460 | } |
| DAY 9 DINNER | TURKEY/GRAVY POTATO/BIRSC MIX VEGETBL BLUEBERY DES POUND CAKE BREADWHITE PERNUT BUT JELLY BEVERAGE BSE COFFEE INSTA | MILK LOWFAT Sum | TURKEY/GRAVY POTATO/BIRSC MIX VEGETBL BLUEBERY DES POUND CAKE BREADWHITE PEANUT BUT JELLY BEVERAGE BSE COFFEE INSTA MILK LOWFAT | I Co |

| WATER PR (G) | PROTEIN FAT (G) (G) | ASH (G) | CALCIUM (MG) | PHOS (MG) | IRON (MG) | SODIUM (MG) | POTASS (MG) | MAGNESIUM (MG) | NACL (G) | ZINC (MG) | CHOLESTROL (MG) |
|------------------|------------------------|------------|-----------------|-----------|--------------|----------------|----------------|-------------------|-------------|--------------|-----------------|
| . 13 13 13 | 7.35 | 1.95 | 50 | 235 | 2.97 | 457 | 462 | 34 | .94 | 8.71 | 10 4 |
| | .47 | 2.33 | 5 8 | 77 | 5.06 | 1015 | 92 | 5 | 2. 19 | 8 | |
| | 53 | 1.36 | 31 | 51 | 1.26 | 451 | 184 | 20 | 1.17 | 8 | |
| | 78 | 1.40 | 3 | 137 | 2.48 | 230 | 372 | 47 | Q | 8 | 0 |
| | ş | 1.50 | 63 | 73 | 1.88 | 380 | 79 | 11 | | .46 | |
| | 9 | 69. | σ | 73 | .36 | 109 | 144 | 35 | . 24 | .57 | |
| | 2 | .03 | - | - | 90. | 7 | ø | - | <u>.</u> | | |
| | 8 | 19 | 0 | 0 | 8 | 0 | 0 | | | | |
| | 8 | . 12 | 7 | SO. | .07 | - | 7 | ₹ | 8 | | |
| 7.55 4.: | E E | 1.68 | 277 | 215 | Ξ. | 113 | 349 | 32 | | . 98 | € |
| 61.64 37.50 | 0 | 11.25 | 460 | 867 | 11.23 | 2763 | 1732 | 204 | 4.95 | 8.63 | 87 |

| | (10) | | CARDTENE TOTAL A C (MG) (IU) (MG) | _ | 81 (MG) | 82 (MG) | NIACIN (MG) | 86 (MG) | FOLACIN (MCG) | B 12 (MCG) | E (MG) | CHO (0) | CALORIES | WEIGHT (G) |
|------------------------------|--------------|--------|--------------------------------------|-------------|------------|----------------|----------------|------------|------------------|---------------|-----------|------------|---------------|-------------|
| BEEF TIPS | | | | 8 | .02 | 58 | 4.6 | .23 | 28 | 8. | 1.34 | 5.81 | 211 | 168 |
| PEAS/CARROTS | | 6. 132 | 10220 | | 80. | | 0. | 9 | <u>.</u> | | . 72 | 10.23 | 0 80 60 80 | 120 |
| CHOC PUDDING | 6 | | 1 0 | | 8 | 2 | e. | 8 | en , | | 1.39 | 62.13 | 304 | 173 |
| BREADWHITE PEANUT BUT | 850 | | 850 | 11 | - 4 0 4 | 2 6 | - 4 E 4 | <u>6</u> | 8 7 | | . 70 | 37.88 | 199 129 | 2 2 |
| JELLY | | .002 | 0 | 0 | 8 | 8 | o. | 8 | | | • | 9.15 | 37 | = ; |
| BEVERAGE BSE COFFEE INSTA | | | | 6, 60 60 | | 8 | ₹. | 8. | | | | 37.56 | 5 5 4 | 80 - |
| MILK LOWFAT | 460 | | 460 | 8 | 8 | .37 | ij | ÷. | Ξ | . 83 | | 10.89 | 13 | 227 |
| SUM | 1500 | 6.134 | 11720 | S S | 1.17 | 1.05 | 15.2 | 48 | 101 | 1.66 | 4.32 | 226.88 | 1492 | 1001 |

APPENDIX D. Nutrient Information for the New T Ration Menus

| | (10) | Carotene (mg) | Carotene Total A C (mg) (mg) | ၁ (ရှိ | B. (g. | 82 (mg) | Niacin (mg) | 86 (gm) | Folacin (mcg) | 812 (mcg) | F (mg) | 0 (S | Calories | We tobit (g) |
|-------------------|------|------------------|------------------------------|--------|-----------|------------|----------------|------------|------------------|--------------|-----------|--------|----------|-----------------|
| 8 – | 2250 | 0.551 | 3170 | 118 | 1.64 | 1. 16 | 15.3 | 1.34 | 06 | 1.13 | 6.36 | 168.75 | 1314 | 757 |
| ત | 2290 | | 3000 | 116 | 4.46 | 1.02 | 10.0 | 1.39 | 113 | 1.8 | 7.64 | 169.83 | 1241 | 762 |
| MEAN | 2270 | 0.489 | 3085 | 117 | 1.55 | 1.09 | 12.6 | 1.36 | 101 | 1.47 | 7.80 | 169.29 | 1277 | 759 |
| MEAL REQUIREMENTS | ŦS | | 1670 | 20 | 0.60 | 0.73 | 8.0(N.E.) | 0.73 | 133 | 1.0 | a.a | 146.7 | 1200 | |

12 Percent 35 Percent 53 Percent

Fat CHO

Percent of Calories from:

RECORD OF NUTRITIVE VALUES TRAYPACK FIELD TEST MENUS

| TOTALS | Water (g) | Protein (g) | eta ceta | Fat (g) | ₹5 | Ash Ca | Calcium (mg) | Phos (mg) | Iron (mg) | Soc F) | Sodium (mg) | Potass (mg) | Magnes fum (mg) | | NaC1 2 (g) (| Zinc (mg) | Cholestrol (mg) | ۇ ق |
|-----------------------------------|-----------------|---------------------------|-------------|------------|----------|-----------------------|-----------------|----------------------------------------|----------------|-----------|----------------|----------------|--------------------|--------|-----------------|-----------|--------------------|--------|
| Z ~ | NR. 1 410.49 | | | 40.01 | , | 5 | 468 | 00 | 5.67 | # | 124 | 100 | 146 | Ri | | 6.50 | 134 | 4 |
| 7 | 441.27 | | | 50.59 | 7 | 60 | 478 | 725 | 6.98 | = | 11 | 1434 | 144 | CA | | 7.44 | 12 | - |
| 6 | 553.24 | 46.45 | | 47.85 | o, | . 52 | 455 | 726 | 6.30 | ä | 2137 | 917 | 139 | 4 | 4.96 | 8.52 | 286 | 9 |
| MEAN | 1 468.33 | 50.96 | | 46.15 | 7 | .92 | 467 | 750 | 6.32 | # | 1891 | 1150 | 143 | 6 | 3.34 | 7.49 | 180 | 0 |
| MEAL REQUIREMENTS 1/3 AR 40-25 | MENTS | 33.33 | | 53.3 | | | 267 | 267 | 9 .0 | 1667- | 1667-2334 | 625~1825 | 133 | | | 8.0 0 | | |
| | ∢ , | Carotene Total A | e Tota | < - | ن | 8 | 87 | Niacin | <u> </u> | 98 | Folacin | | B12 | ш (| CHO. | Calories | | Weight |
| | (10) | | Ē | S | (DE) | Œ) | | | â | ĐE) | (B) | | (8) | Q E | <u> </u> | | | 6 |
| Z | NR. | | | | | | | | | | | | | | | | | |
| _ | 1500 | 0.161 | 1770 | 2 | 5 | - 0. | | | - . | 0.74 | 132 | 0 | 92 | 4.32 | 154.92 | 1183 | | 663 |
| ~ | | | 23(| ဝ္ပ | 53 | 1.31 | | | * | <u>.</u> | 88 | _ | 4 | 7.81 | 171.54 | | | 726 |
| n | | | 181 | စ္တ | 51 | 0.70 | 0.91 | 10:2 | | 2.41 | 182 | * | 4.10 | 9.47 | 141.55 | • | | 199 |
| MEAN | 1550 | 0.273 | 2003 | 33 | 52 | 1.02 | 1.04 | | 13.2 | 1.39 | 134 | ~ | 2.05 | 7.20 | 156.01 | 1243 | | 729 |
| MEAL REQUIREMENTS 1/3 AR 40-25 | MENTS | | 1670 | 0 | 50 | 0.60 | 0.73 | 3 8.0(N.E.) | Z. fi.) | 0.73 | 133 | - | 0. | ი ი | 146 | 1200 | 0 | |
| | ď | Percent of Calories from: | Calor | 1 | : EO. | Protein Fat CHO | | 16 Percent 33 Percent 50 Percent | 8 1 t | | | | | | | | | |

| BREAKFAST DAY 1 | Water (g) | Protein (g) | n Fat | Ash (g) | Calcium (mg) | sodd mi | | Iron So (mg) (| Sodium (mg) | Potass (mg) | Magnes tum (mg) | in Naci | | Zinc Ci | Cholestrol (mg) | |
|---------------------------------------|-------------------|---------------------|-------|------------|-----------------|----------|-----------------------------------------|-------------------|-------------|----------------|-----------------------------------------|----------|------------------|----------|--------------------|----------|
| SAUS PATTY | 108.14 | 29.03 | 15.36 | 3.45 | | 272 | | | | 194 | 32 | 6 | | 9.45 | 833 | |
| BISCUITS | 17.0 8 | ა დ დ. დ დ. დ | 13.26 | | | | | | | 4 2 | <u> </u> | ō | | 7.7 | 5 | |
| DEACHES | 131.03 | 0.74 | 0.17 | 0.40 | | | | | | 152 | 80 | | | J. 15 | | |
| OPANGE AUTCE | 0.22 | 1.10 | 0.37 | | | | | | | 380 | 8 | | | | | |
| C. COA REV PO | 92.0 | 1.42 | 3.51 | | | | • | | | 246 | 11 | 0.22 | 22 | | | |
| COFFEE INSTA | 0.03 | 8 | 8 | | | | | | | 7 | ₹ | Ö | | | | |
| MILK LOWFAT | 202.33 | 7.55 | 4.35 | | | | | | | 349 | 32 | | ~ | 0.88 | . | |
| TABASCO SCE | 4.80 | 0. 10 | 8.0 | | | | | | | 0 | 0 | | | | | |
| SUM | 481.28 | 48.80 | 49.27 | 8.41 | 580 | 766 | | 8. t6 2 | 2120 | 1479 | ======================================= | က် | 3.18 12 | 12.10 | 162 | |
| | | | | | | | ··. | | | | | | | | | |
| • | | | Total | C | | 20 | S C C C C C C C C C C C C C C C C C C C | 98 | Folact | _ | 21.2 | ш | 9 4 0 | Calories | | # |
| | (10) | (nf) (m) | (nr.) | , (gm) | | B | (DE | (Da | (mcg) | | (Box) | Q | Ô | | (B) | _ |
| CALIS DATTY | | | | | | 3.24 | 9.9 | 90.0 | 20 | 0 | 0.16 | 1.89 | 1.53 | | | • |
| 11 C 11 | | | | | | 2.26 | 3.2 | 0.05 | 8 | | | | 43.86 | | | Q |
| COEFE CAKE N | 320 | | 320 | | | 5.15 | 3.2 | 0.56 | 50 | | | 4.32 | 43.75 | | | <u>۲</u> |
| |) | 0.329 | 550 | S | | 5.03 | - 0. | 0.03 | NO. | | | | 32.94 | | | iù. |
| ODANGE HITCE | | 0.222 | 370 | 79 | | 90.0 | 9.0 | | | | | | 19.56 | | | ü |
| COCOA BEV PO | 1470 | | 1470 | 24 | 0.66 | 90.0 | - | 0.57 | 8 | 0 | 0.15 | 0. 15 | 15.01 | | | <u>~</u> |
| COFFEE INSTA | | | | 00 | | 8.8 | ₹.0 | ° 8 | | | | | <u>•</u> | | | - |
| MILK LOWFAT TABASCO SCE | 460 | | 460 | a | 60.0 | 0.37 | 00 | o. to | Ξ | 0 | 0.83 | | 0.10 | e - - | 3 227 1 8 | F 10 |
| NOS | 2250 | 0.551 | 3170 | 8 - 1 | 1.64 | 1.16 | 15.3 | 1.34 | 8 | - | 1.13 | 6.36 | 168.75 | 1314 | 4 757 | 7: |
| | | | | | | | | | | | | | | | | |

| s Magnesium (mg) | 815 78 12 1.87 6.68 32 | 42 3 0.69 0.77 | 147 8 | 380 2 | 246 | 41 4 0.00 | 349 32 | 1358 95 2.78 9.31 | | Folacin B12 E CHO Calories Weight (mcg) (mcg) (g) (g) | 48 0.83 3.17 4.16 195 | 43.88 318 | 4.32 43.75 298 | 31.50 130 | 19.56 86 | 0.15 0.15 | 4. 10 | 10.89 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|-----------------------------------|------------------------|----------------|----------------|------------|--------------|---------------|-------------|-------------------|-----|-------------------------------------------------------|-----------------------|-----------|----------------|--------------|--------------|--------------|--------------|-------------|---------------------------------------|
| Iron (mg) | 25.00 | | | | • | | | 4 6.93 | ··. | Niacin B6 (mg) (mg) | Ĭ | | | | | | | 0.2 0.10 | |
| Ash Calcium Phos (g) (mg) (mg) | | 2. 2. E. | ÷ • | 60 | 34 | , ca | 277 | 18 583 604 | | B1 B2 (mg) | ç | 0.26 | 0. 15 | 0.03 | 0.05 | 90.0 99.0 | 0.0 | | |
| Fat (g) | | 13.26 | | 0 37 | . E | | 4.35 | 49.16 8.18 | | Carotene Total A C (mg) | Ç |) | 320 | 340 3 | 370 79 | 1470 24 | | 460 2 | |
| Water Protein (g) (g) | _ | 17.06 5.81 | | | 0.56 1.40 | | | 505.24 29.83 | | A Carotene (IU) (mg) | 40 | ? | 320 | | 0.222 | 1470 | | 460 | |
| BREAKFAST DAY 2 | CR BEEF STRP | BISCUITS | FDUIT COCKTI | HOLD TONGO | COLOR BEV DO | COCCA LEGICAL | MILK LOWFAT | SUR | | | OCT OFFER ATED | A TACHITA | COFFE CAKE N | FRUIT COCKTL | DRANGE JUICE | COCOA BEV PD | COFFEE INSTA | MILK LOWFAT | |

| Cholestrol (mg) | 52 | ٥ | 64 | | 18 | | | | | 134 | Veight (g) | 98 | 80 | 109 | 77 | - | 227 | 34 | 21 | 4 | IC. | 663 |
|--------------------|---------------|-----------|-------------|----------------|-------------|--------------|------------|-----------|-------------|-----------|-------------------------------|------------|------------------|-----------|-------------|------------------|-------------|--------------|------------|-------|-------------|--------|
| Chole (mg | 4 77 | | Ψ | | _ | | | | | # | | | 232 | 96 | 288 | 4 | 113 | 150 | 129 | 37 | - | 1183 |
| Zinc (mg) | 3.78 | 8 | 0.77 | | 0.88 | 8.0 | 0.57 | | | 6.50 | Calories | | | | | | | | | | | |
| | | | | | | | | - | | ~ | 문 . | 1.61 | 41.80 | 19.95 | 37.76 | - . + | 10.89 | 28.19 | 4.39 | 9.15 | ٠. 5 | 154.92 |
| Nac (g) | 0.97 | 0.5 | 0.6 | 9 | | Ö | 0.24 | 0.0 | | 2.43 | m (9 | 8 | | = | 47 | | | | 0.70 | | | 4.32 |
| Magnes fum (mg) | 23 16 | <u>-</u> | 8 | 4 | 2 | 0 | ស | - | 0 | 146 | m (DE) | 2.0 | | Ö | 'n | | | | ó | | | ₹ |
| Magne (F | | • | | | (7 | | (") | | | # | B12 (mcg) | 60.0 | | | | | 0.83 | | | | | 0.92 |
| Potass (mg) | 215 | 179 | 8 | . 4 | 349 | 7 | 144 | 9 | 0 | 8 | | 0 | | | | | 0 | | | | | 0 |
| | | | | | | | | | | • | Folacin (mcg) | 32 | ဓ္က | 2 | 38 | | = | | 4 | | | 132 |
| Sodium (mg) | 594 482 | 221 | 292 | - | 113 | 7 | \$ | 7 | 7 | 1824 | _ | | | _ | _ | _ | _ | | | _ | | |
| 5 6 | 76 | 22 | 29 | 22 | ÷ | 12 | 36 | 8 | | 24 | 98 (98) | 9. | 0.0 | 0.0 | 0.48 | 8 | 0.5 | | 0.0 | 9 | | 0.74 |
| Iron (mg) | 0.76 | o | - | ġ | ю | Ö | 0 | ö | | 5.67 | Niacin (mg) | 6 | ~ | ú | ĸ, | 4. | 0.5 | | 2.4 | o. | 0 | 14.1 |
| Phos (mg) | 229 | 57 | 121 | ທ | 215 | 33 | 73 | - | | 00 | ž Š | NO. | 60 | - | • | 0 | 0 | | ~ | 0 | 0 | 7 |
| | 60 6 0 | 4 | e | 8 | 7 | 9 | G | - | | 09 | 82 (#g) | 0.16 | 0.26 | 0.0 | 0.16 | 8 | 0.37 | | 0.05 | 8 | | 1.03 |
| Calctum (mg) | 8 0 C | <u>.</u> | a | | 27 | n | | | | 468 | 181 (0) | .03 | . t o | 0.0 | 80.0 | | 80.0 | | 0.44 | 8 | | 9. |
| Ash (g) | 2.13 | 1.03 | 1.26 | 0. 12 | 1.68 | 0.22 | 0.69 | 0.03 | | 7.15 | _ | J | Ū | _ | _ | | | | | | | 10 |
| Fat (9) | 4.86 |) in | 65 | 8.0 | 4.35 | 2.99 | 59 | 03 | 8.0 | 5 | ပ (ge_) | | | | | | | 74 | 17 | | | 10 |
| | 4 4 | 0.38 | 13.65 | Ö | 4 | 6 | 6 | 0.02 | Ö | 40.01 | Carotene Total A (mg) (1U) | | | 270 | 190 | | 460 | | 850 | 0 | | 1770 |
| Protein (g) | 20.60 | 3.20 | 3.50 | 8.0 | 7.55 | 2.48 | 6.30 | 0.13 | 0.10 | 50.67 | tene 1 | | | 59 | | | | | | 70 | | 61 |
| ā. | N | | | | | | | | | | | | | 0.159 | | | | | | 0.005 | | 0.161 |
| Water (g) | 65.31 | 84.56 | 21.02 | 0.03 | 202.33 | 0.12 | 0.28 | 4.85 | 4.80 | 410.49 | √ (21) | | | | 190 | | 460 | | 850 | | | 1500 |
| DINNER DAY 1 | CHIX PATTY | COOK WK C | CHOC CAKE N | COFFEE INSTA | MILK LOWFAT | REVERAGE BSE | PEANUT BUT | | TABASCO SCE | SUM | | CHIX PATTY | HAMBURG ROL | CORN WK D | CHOC CAKE N | COFFEE INSTA | MILK LOWFAT | BEVERAGE BSE | PEANUT BUT | JELLY | TABASCO SCE | SUM |

| DINNER DAY 3 Water (g) | Protein (g) | fat (g) | Ash (g) | Calcium (mg) | Phos (gm) | Iron (mg) | Sodium (mg) | Potass (mg) | Magnes tum (mg) | Nac) | Zinc (mg) | Cholestrol (mg) |
|------------------------|----------------|------------|------------|-----------------|--------------|--------------|----------------|----------------|--------------------|----------|--------------|-----------------|
| 8 | 15.44 | 5.93 | 2.24 | 38 | 80 | 1.69 | 593 | 117 | 17 | 1.74 | 1.67 | |
| 3.29 | 9.51 | 11.22 | 2.21 | 52 | 161 | 1.76 | 784 | 63 | 19 | 1.68 | 4.63 | |
| 5.26 | 1.53 | 0.0 | 1.08 | 43 | 22 | 0.84 | 236 | 105 | 14 | 0.60 | 0.0 | |
| 1.02 | 3.50 | 13.65 | 1.26 | 23 | 121 | 1.29 | 292 | 06 | 18 | 0.69 | 0.77 | |
| 0.03 | 8.0 | 8.8 | 0.12 | ~ | មា | 0.07 | - | 4 | ₹ | <u>.</u> | | |
| 33 | 7.55 | 4.35 | 1.68 | 277 | 215 | 9.1 | 113 | 349 | 32 | | 0.88 | |
| 0. 12 | 2.48 | 2.99 | 0.22 | 36 | 33 | 0. 12 | 7 | 7 | 0 | 8.8 | 8 8 | |
| 0.28 | 6.30 | 9.59 | 0.69 | o | 73 | 0.36 | 109 | 144 | 32 | 0.24 | 0.57 | |
| 4.85 | 0.13 | 0.05 | 0.03 | - | - | 90.0 | 7 | 9 | - | 0.01 | | |
| 553.24 | 46.45 | 47.85 | 9.52 | 455 | 726 | 6.30 | 2137 | 917 | 139 | 4.96 | 8.52 | 286 |

| | (10) | A Carotene Total A C (IU) (mg) | Total A (1U) | ၁ (BM) | 81 (mg) | 82 (mg) | Niscin (mg) | 86 (mg) | Folacin (mcg) | 812 (mcg) | E (mg) | 0 (g | Calories | Weight (g) |
|--------------|------|--------------------------------|-----------------|-----------|------------|------------|-----------------|--------------|------------------|--------------|-----------|--------|----------|------------|
| CHIX CHOMMEN | | | | | 0.05 | | 4. | 1.67 | 70 | 2.50 | 4.8 | 7.28 | | 167 |
| DRIENTL RICE | 50 | | 50 | | 90.0 | | 1 .5 | 6 0.0 | 31 | 0.77 | 5.09 | 38.12 | | 154 |
| GREEN BEANS | | 0.219 | 360 | | 0.05 | | 0.5 | 0.05 | & | | 0.21 | 4.68 | | 103 |
| CHOC CAKE N | 190 | 1 | 190 | | 0.08 | | 7.5 | 0.49 | 38 | | 2.47 | 37.76 | | 77 |
| COFFEE INSTA | | | | 80 | | | 4.0 | 8.0 | | | | 1.10 | | |
| MILK LOWFAT | 460 | | 460 | N | 60.0 | | 0.5 | 0.10 | = | 0.83 | | 10.89 | | 227 |
| BEVERAGE BSE | | | | 25 | | | | | | | | 28.19 | | 34 |
| PEANUT BUT | 350 | | 850 | 17 | 0.44 | | 2.4 | 0.0 | 4 | | 0.70 | 4.39 | | 21 |
| שנררא | | 0.002 | 0 | 0 | °. | | 0.0 | °.8 | | | | 9.15 | | 4 |
| Wils | 1520 | 1520 0.221 | 1880 | 12 | 0.70 | | 10.2 | 2.41 | 182 | 4.10 | 9.47 | 141.55 | | 799 |

APPENDIX E. Nutrient Information for MRE VIII Ration

| CHOLESTROL (MG) | 5 5 5 5 | 8 | 8 | • | 5 C | 99 | | 130 | 88 | 119 | | WE 1047 (G) | 557 | 121 | 460 | 800 | 456 645 | 7 Y | 473 | 4 10 | 451 | 455 | 565 | 475 | | |
|--------------------|------------------|------------------|--------|------------|--------|--------|--------|--------|--------|--------|-----------------------------------|--------------------|-------|--------|--------------|--------------|------------|-------|--------|------|-----------------|------|--------------|----------|-----------------------------------|---------------------------|
| _ | 92.0 | 2 5 | - 12 | 3 8 | | 38 | 06 | . 85 | 82 | 32 | 0 | CALORIES | 1401 | 1297 | 1346 | 1378 | 1242 | 1314 | 1238 | 1318 | 1230 | 1310 | 1272 | 1295 | 1200 | |
| 21NC (MG) | 44. | n n | m c | Ÿ | | | • | Ri | 6 | e, | 6 | 0 (g) | 99.40 | 186.08 | 176.73 | • | 143,35 | • | 162.07 | | | • | 86.29 | 59.67 | 146.7 | |
| NACL (G) | 3.38 | 4.97 | 4.55 | 7.0 | 9 | 4.33 | 3.01 | 3.69 | 3.62 | 3.82 | | F (C | - | ÷ • | | • | | 74 | | | _ | _ | • | .01 | 6. | |
| MAGNESIUM (MG) | 120 | 300 | 9 9 | | 28 | 172 | 8 | 8 | 127 | 136 | 133 | ₹. | ₹ | ₹ | <u>ښ</u> | • | e c | | • | 6 | ĸ, | 6 | e, | 5 | e, | |
| | | | | | | | • | Q | • | • | | B 12 (MCG) | 8. | 8 | 6 | . 92 | 6. | 6 C | 76 | 4.02 | .56 | . 33 | . 63 | 98. | . 0 | |
| POTASS (MG) | 1319 | 1421 | 1012 | | 1524 | 1484 | 624 | 980 | 1498 | 1346 | 625-1825 | X (6 | _ | ĸ | ~ | . | - - | | 10 | ~ | . | 10 | _ | Б. | | |
| SODIUM (MG) | 1337 | 2550 | 2067 | 4444 | 2457 | 1922 | 1538 | 1861 | 1714 | 1805 | 1667-2334 | FDLACIN (MCG) | | | _ | | | 7. | | | | 115 | | 73 | 133 | |
| | 58 | | | ٠, | | | 7 | 9 | - | 93 | | 86 (MG) | . 8. | 1.86 | 1.84 | 3. 46 | 7.8 | 7.7 | 2,08 | | 2.0 | 2.44 | 2. 19 | 1.91 | 0.73 | |
| IRON (MG) | 6.58 | 5.70 | 6.66 | | 20.20 | 7.8 | 5.27 | 4.0 | 5.51 | 6.6 | 6 .0 | NIACIN (MG) | 5.5 | 8.0 | 3.7 | 40 (| | 0.0 | * | ~ | 1 .9 | e | • | 6.7 | .0(N.E.) | PERCENT |
| PHOS (MG) | 659 593 | 1372 | 696 | 7 2 | 1125 | 644 | 7 16 | 774 | 757 | 787 | 267 | | | | | | | | | | * | - | _ | 5 12 | • | 15 PERK 36 PERK |
| CALCIUM (MG) | 424 424 | 2 60 C | 9 | | 1 10 | 413 | 548 | 559 | 435 | 499 | 267 | 82 (MG) | - | | | • | - 1 | 5 5 | • | | • | - | - | 1.05 | 0.73 | 1 1 |
| ASH CA (6) | | 1.57 | | | | , , | • | 7.98 | • | 9.94 | | 81 (MG) | 2.6 | 2.38 | 3.23 | 9.00 | 2.5 | 2.61 | 3.02 | 2.38 | 2.19 | 2.47 | 0 | 2.69 | 0.60 | PROTE IN FAT |
| | 9 1 2 2 | | | | 26 | 6 09 | | | | .48 | 6. | ပ် (၅။) | 9 | 91 | 165 | ± + 6 | 69 | 7.30 | 6 | 152 | 67 | 113 | 92 | 105 | 2 | FROM |
| FAT (6) | \$ 6 6 | | 55.02 | | | 26 | 56 | 53 | 7 | 5 | 33 . | 101AL A (1U) | 2940 | 3100 | 7980 | 7010 | 3870 | 3620 | 3800 | 2240 | 3510 | 3200 | 3670 | 4213 | 1670 | ILORIES |
| PROTEIN (G) | 45.51 | | 43.39 | 13.54 | | 55.96 | 51.48 | 49.87 | 38.09 | 48.17 | 33.33 | CAROTENE 1 (MG) | 8 | .0. | 2.007 | 8 50. | .578 | 1.267 | 055 | .023 | 8 | 650 | 8. | .359 | | PERCENT OF CALORIES FROM: |
| WATER (G) | 256.96 173.24 | 178.53 263.19 | 204.88 | | 211.02 | 149.96 | 206.50 | 186.66 | 290.45 | 207.09 | 8 | Q (01) | 2930 | 3070 | 4630 | 6910 | 2910 | 1710 | 3800 | 2200 | 3510 | 3400 | 3660 | 3613 | S E | PER(|
| TOTALS | - 11 6 | | • | | | | | | 12 | MEAN | MEAL REQUIREMENTS 1/3 AR 40-25 | | - | 8 | 6 | ∢ 1 | n e | 0 ~ | • | • | 2 | = | <u>.</u> | MEAN | MEAL REQUIREMENTS 1/3 AR 40-25 | |

| MENU 1 | WATER (G) | PROTEIN (G) | N FAT (G) | ASH (6) | CALCIUM (MG) | M PHOS | S IRON | SOS # | SODIUM POT | POTASS (| MAGNESTUM (MG) | (9) (9) | ZINC (MG) | | CHOLESTROL' (MG) |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------|--------------------------------------------------------|------------------------------------------|------------------|-----------------------------------------------------------------------------------|----------|----------------------|--------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------|--------------------------------|
| PORK BBG/RCE APPLESAUCE JELLY CRACKERS UST CANDY AVER COCOA BEV PD BEVERAGE BSE COFFEE INSTA CREAM SUB ND SUGAR TABASCO SCE | 143.68 100.27 9.70 9.70 1.10 1.10 1.10 1.20 06 00 | 26 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 22 23 24 25 26 26 26 26 26 26 26 27 26 26 26 27 26 26 26 26 26 26 26 26 26 26 26 26 26 | E | 26 2 2 3 3 4 4 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 28 9 9 0 14 15 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 64-74-64-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6 | 8 - 7 | 828 13 14 14 14 14 14 15 14 16 16 16 16 16 | & | #44#±40m-00 | 2 2 4 4 4 4 6 6 6 6 6 6 6 7 | | 4. 80 | 6 |
| | 256.96 A (1U) | CAROTENE (MG) | 46.80 TOTAL A (1U) | 8.51 0 (MG) | 466 B t (MG) | 659 82 N | 9 6.58 NIACIN | 13 86 (#G) | FOLACIN (MCG) | | 120 8 12 (MCG) | 3.14 (mg) | CHO (5) | 4.75 CALORIES | 79 WEIGHT (G) |
| PORK BBG/RCE APPLESAUCE JELLY CRACKERS UST CANDY AVER COCOA BEV PD BEVERAGE BSE COFFEE INSTA CREAM SUB ND | 10 2920 | <u>\$</u> 8 | 0 0 0 0 0 0 0 | 6-0 men 0 | £.0088.0£. 8 | 200 000 000 000 000 000 000 000 000 | 4 4 4 0 8 + 5 8 0 | 29882± 888 | 4- 0-n | • • | 8. ± 6. | 2 4. 6. 30 30 30 30 | 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 24 20 20 20 20 20 20 20 20 20 20 20 20 20 | 42 444 444 444 444 |
| TABASCO SCE SUM | 2930 | <u>\$</u> | 2940 | - | 2.65 | . 10 | 0. 8.01 | 48. | 47 | • | 98. | 4. 14 | 199.40 | 1401 | u 188 |

| | MENU 2 | WATER | PROTEI | | AST | | | | | SODIUM | POTASS | MAGNESIU | | | 2 | HOLEST | BOI |
|----|--------------|------------------|------------------|--------------|------------|------------------------------------------|------------|----------------|-----------|----------|--------|--------------|--------|----------------|----------|--------|---------------|
| | | (9) | (0) | (9) | 9 | | (BKG) | | | (MG) | (B#G) | (D) | | | (BEG) | (943) | ! |
| | C BEEF HAST | 157.56 | 29.78 | 13.06 | 3.0 | | | | | 878 | 445 | 34 | | | 5.80 | 9 | |
| | PEANS DEHY | . 42 | . | Ö. | . 13 | | | | | Ø | 7.1 | ₩) | | | Š | | |
| | JELLY | 9.70 | . 26 | 80. | .05 | | | | | . | - | 7 | | | | | |
| | CRACKERS UST | . 95 | 4.43 | 5.58 | 1.29 | | | | | 184 | 72 | 7 | | | | | |
| | DATML CK BAR | 3.05 | 5.86 | 11.15 | .63 | | | | | 172 | 79 | 5 8 | | | S | 5 | |
| | COCOA BEV PD | . . 6 | 2.80 | 6.95 | 1.99 | | | | | 211 | 487 | 46 | | | | | |
| | BEVERAGE BSE | . 12 | 2.48 | 2.99 | . 22 | | | | | ď | 8 | 0 | | | 8 | | |
| | COFFEE INSTA | 8 | 8 | 8 | . 24 | | | | | * | - | • | | | | | |
| | CREAM SUB ND | 8. | . 28 | 1.09 | . 22 | | | | | 16 | 7.1 | - | | 03 | | | |
| | SUGAR | 8 | 8 | 8 | | | | | | 0 | 0 | 0 | | 8 | | | |
| | MUS. | 173.24 | 46.08 | 40.91 | 7.87 | 421 | | | 6.50 | 1487 | 1319 | 122 | 3.38 | | 7.35 | 50 | |
| | | A (10) | CAROTENE (MG) | TOTAL A (1U) |) (9#) | 8 (S | 82 (#G) | NIACIN (MG) | 88 (0) | FOLACIN | | 812 (MCG) | F (86) | 9 9 | CALORIES | | WEIGHT (G) |
| 70 | C BEEF HASH | | | | 8 | | .3 | 5.0 | .32 | | | | 8 | 23.34 | Ä | | 227 |
| | PEARS DEMY | | .003 | 5 | | ō | 6 | - | Ö. | | | | . 19 | 14.22 | | | Ť. |
| | ישררא | | 90. | • | - | 8 | 8 | • | 8 | | | | | 18.29 | | | 28 |
| | CRACKERS UST | 0 | 80. | 0 | 0 | 86. | .53 | 2.8 | .38 | | | | 5 | 32.75 | = | | 45 |
| | DATML CK BAR | 150 | 90 0. | 160 | | 8 | S. | 9. | .02 | | | | 1.95 | 29.33 | 7 | | S |
| | COCOA BEV PO | 2920 | | 2920 | 84 | 1.31 | Ξ. | ? | 1.13 | | | | 8 | 29.69 | Ξ | | 6 |
| | BEVERAGE BSE | | | | 25 | | | | | | | | | 28.19 | ¥ | | 46 |
| | Z | | | | ភ | | <u>.</u> | • | 8 | | | | | 2. 19 | | Φ. | m |
| | CREAM SUB ND | | | | | | 0. | | 8 | | | | | 2. 1 | • | | • |
| | SUGAR | 0 | 0 | 0 | 0 | 8 | 8 | o. | 8 | | | | | 5.97 | • | | • |
| | SUM | 3070 | • | 3100 | 16 | 2.38 | 96. | 9.6 | 1.86 | 8 | | 1.09 | 4.03 | 186.06 | 1297 | | 454 |

| MENU 3 | WATER | PROTEIN (G) | N FAT | ASH | CALCIUM (MG) | SOHA MIC | S IRON | | SOD TUM (MG) | POTASS (MG) | MAGNESIUM (MG) | NACL (G) | ZINC (MG) | CHOLESTROL | STROL |
|----------------------|--------|------------------|------------|------|-----------------|----------|------------|------|-----------------|----------------|-------------------|-------------|-------------------|------------|--------|
| | ì | | | | | • | | | ` | | • | • | | • | |
| CHIX STEW | 174.30 | 19.28 | 10.23 | 2.72 | = | | | | 635 | 67.1 | 7 I | 1.23 | 77.7 | | , |
| PEACHES FROH | 36 | .70 | .07 | 99 | n | | | | O | £ | 'n | ē | | • | |
| PEANUT BUT | 10 | 12.61 | 19.19 | | 4 | | | | 218 | 289 | 2 | . 48 | | | |
| CRACKEDS 11ST | 6 | 4.43 | R. R. | 1.29 | 261 | | | | 184 | 72 | 72 | 7 | | | |
| CANDY AVER | 77 | 2.65 | 4.79 | 49 | 77 | | | | 7.4 | 67 | = | . 16 | 9 | • | |
| COCOA REV DO | ÷ | 280 | 6 | - | 67 | | | | 211 | 487 | 7 6 | ₩. | | | |
| REVEDAGE BAF | : | 2.48 | 66 | • | 36 | | | | ~ | ત | 0 | 8 | 8. | 0 | |
| COFFEE INSTA | . e | 8 | 8 | | • | | 14 | 4 | N | - | 8 0 | 8 | _ | | |
| CREAM SUB AD | S C | 28 | 60. | | 7 | • | 28 | - | 9 | 71 | - | .03 | _ | | |
| SUGAR | 8 | | 8 | 60. | 0 | | | = | 0 | 0 | 0 | 8 | | | |
| TABASCO SCE | 8 | • | 8 | | | | | | 8 | 0 | 0 | | | | |
| | 478 82 | 76 87 | (1) (1) | A 4 | 483 | | A17 4.64 | 7 | 1354 | 1854 | 185 | 2.85 | 2.43 | | 43 |
| | | | | | | | | | | | | | | | |
| | • | CABOTEME TOTAL A | A LATOT | 2 | # | 82 | NIACIN | 60 | FOLAC | | 812 | w | | CALORIES | WEIGHT |
| | (T) | (BH) | (31) | (MG) | (BEG) | (D#) | (BEG) | (MG) | (MCG) | | (MCG) | (BEG) | <u> </u> | | 9 |
| | | 976 | 2000 | | Š | ā | ď | 23 | 98 | | 66 | 2 | 20.28 | 250 | 227 |
| CAIA SIEW | | D 10 C | 35 | • | 3 6 | 2 5 | , u | 5 |) M | |) } | 42 | 13.56 | 80 | ē |
| PEACHES FROM | 0,1,1 | 660. | 3 | 7 6 | | 3 2 | | Š | 27 | | | 4.60 | 8.79 | 258 | 43 |
| COACVERS 1164 | 2 | 8 | 2 6 | 3 0 | | | | 88 | , 0 | | = | 6 | 32.75 | 199 | 43 |
| CAMUNERS USI | • | 3 | • | , | : | ٤ | ; | 0 | - | | | .43 | 28.30 | 167 | 37 |
| COCOA REV DO | 0690 | | 2920 | 87 | 10. | = | . 7 | 1.13 | N) | | 8. | œ. | 29.69 | 192 | 43 |
| REVERAGE RSF | | |) | 25 | , | | ! | | | | | | 28.19 | <u>.</u> | 46 |
| COFFEE INSTA | | | | ÷. | | <u>.</u> | ₽. | 8 | | | | | 2.19 | Ø į | m · |
| CREAM SUB NO | | | | | | 69 | | 8 | | | | | 7.7 | B (| • • |
| SUGAR TABASCO SCE | 0 | 000 | 0 | 0 | 8 | 8 | o o | 8 | | | | | . 4 . 9 . 9 | 2 % | g str |
| SUM | 4630 | 2.007 | 7980 | 165 | 3.22 | 86 | 18.7 | 1.84 | 122 | | 4.8 | 3.92 | 176.73 | 1346 | 460 |
| | | | | | | | | | | | | | | | |

| MENU 4 HAM DMELET POT AU GRAT CHEESE SPR CRACKERS UST COCOA ELV PO BEVERAGE BSE | WATER (G) 127.86 111.58 111.59 102.02 | PROTEIN (G) (A) (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B | 13.00 13.00 15.77 15.77 15.15 6.98 | AS 5.22.1. 1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2 | CALCTUM (MG) (MG) 44 96 158 158 261 14 67 | 962 333 334 196 196 196 196 196 196 196 196 196 196 | 180N (#6) 2.28 .37 .20 .72 .955 | SODIUM (MG) (MG) 936 587 441 184 172 211 | MC) (MC) (MC) (MC) (MC) (MC) (MC) (MC) (| MAGNESIUM (MG) (MG) 26 14 16 10 12 26 26 34 9 9 | MAC (6) 1.9 8.1 1.1 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 | NC | ZINC CH (MG) 1.70 1.00 1.90 | CHOLESTROL (MG) 338 10 39 |
|---------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------|------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|-----------------------------------------|---------------------------------------|
| COFFEE TRAIN SUGAR SUGAR SUM | 263 300 | 47.84 | 20. 2 | .03 | 688 | 1372 | | 2550 2550 | • | - 0 0 - | | | 2.20 | 8 0 |
| | A (01) | CAROTENE (MG) | TOTAL A | ၁ (<u>၅</u> | 8 | 82 NI/ (MG) (I | NIACIN (MG) | B6 (MC) | FOLACIN (MCG) | B12 (MCG) | E (MG) | 8 <u>0</u> | CALORIES | S WEIGHT (G) |
| HAM OMELET | 500 430 | 180 | 500 | - | 7,8 | 66. | 3.4 | . 19 90. | . o. | <u>.</u> | 1.02 | 3.44 | | 142 |
| CHESE SPR | 2910 | 8 | 2910 | 72 | | | 0.5 | 38 | ∢ 0 | Ę. | <u>.</u> | 1.19 | | |
| CKACKERS USI | - - - - | 8 | 160 | · (| | | • | 25 | ű. | Ş | 1.95 00 00 00 | 29.33 | | |
| COCOA BEV PO BEVERAGE BSE COFFEE INSTA | 2920 | | 2920 | 5 23 50 50 50 50 50 50 50 50 50 50 50 50 50 | | | i . | 2 88 | , | 3 | 3 | 2.19 | S a a | |
| SUGAR | ٥ | 8 0. | 0 | ٥ | 8 | 8 | o. | 8 | | | | 5.97 | | • |
| SUM | 69 10 | 030 | 1010 | 1 | 3.51 1. | .32 | æ. | 3.16 | 7 | .92 | 5.24 | 151.66 | 1375 | 838 |

| IUM NACL ZINC CHOLESTROL (G) (MG) (MG) | 1.82 2.27 84 .01 48 .43 .00 .00 .00 | 3.21 2.27 84 E CHO CALORIES WEIGHT | (G) 7.76 281 8.79 288 32.75 199 29.69 192 2.19 99 2.11 199 131.09 1191 |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAGNESIUM (MG) | 4-04408-0 | 170 B12 | (g) \$4 - 1 |
| UM POTASS | 55 415 18 289 11 487 12 2 2 81 16 71 | 1548 1548 FOLACIN | (MCG) 32 77 27 5 |
| SGD1UM (MG) | 965 212 212 212 200 0 | 1603 86 F0 | _ |
| IRON (MG) | # 10 P P P P P P P P P P P P P P P P P P | NIACIN | • |
| PHOS (MG) | 229 20 147 147 52 196 10 28 | 17 | |
| CALCIUM (MG) | 46 10 10 10 10 10 10 10 | 4 0 | (MG) (MG) .05 .27 .05 .04 .87 .04 .98 .53 1.31 .11 |
| ASH (6) | 3.27 1.28 1.29 1.22 2.22 2.24 0.03 | 8 | (MG) (6.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (7.2) (|
| FAT (G) | 24. 61. 62. 62. 62. 63. 63. 63. 63. 63. 63. 63. 63. 63. 63 | ~ | |
| PROTEIN (G) | 30,03 7,0 12,70 2,86 2,88 2,88 00 | *3.34 50.3 CAROTENE TOTAL A | (#G) .227 .007 .000 |
| WATER (G) | 171.52 1.3 1.40 1.10 1.00 1.00 1.00 | • | (1U) 1710 2920 0 2930 |
| MENU 6 | CHIC ALAKING STRAWBER SW PEANUT BUT CRACKERS UST COCOA BEV PD BEVERAGE BSE COFFEE INSTA CREAM SUB ND | NU S | CHIC ALAKING STRAWBER SW PEANUT BUT CRACKERS UST COCOA BE, PO BEVERAGE GSE COFFEE INSTA CREAM SUB ND SUGAR |

| R OL | | | VEIGHT (G) | 24 4 8 W | 4 10 10 10 | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------------------------------------------------------|-------------------------------------------------------------|--|
| CHOLESTROL (MG) | - 6 - 6 | 0 F | | 200 200 200 200 200 200 200 200 | 22 20 4 20 4 20 | |
| 21NC C | 88 | 8 . | CALORIES | | · | |
| | ~ ~ * * * * O O O O O | <u>o</u> | 2 6 | 32.75 32.75 8.79 47.46 2.19 2.19 2.19 | 2.11 5.97 4.90 145.82 | |
| | 4.4.4.8.000000 | ₽ ₽ | F () | 2.9.2 | 6.74 | |
| MAGNESIUM (MG) | 2 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 160 | B12 (MCG) | ø •- in • | 1.70 | |
| POTASS (MG) | 599 289 105 289 71 71 | 1219 | FOLACIN (MCG) | \$ 0 £ £ | 4 | |
| SODIUM (MG) | 448-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 440-44 44 | 6173 | B6 F0L (MG) (M | 72 86 80 00 00 00 00 00 00 00 00 00 00 00 00 | 88 % | |
| TRON (MG) | 3.54 7.77 1.57 1.57 1.62 1.63 1.64 | 6.93 | NIACIN (MG) | | | |
| PHOS (MG) | 207 522 104 104 100 100 0 | & C | | | 6 6 6 | |
| CALCIUM (MG) | 6 64 8 6 6 4 7 0 4 7 0 | 413 | B1 B2 (MG) | | 8, 8, | |
| ASH (6) | 6 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 8 .37 | ာ (<u>ရ</u> ှင် | 80 G 81 | | |
| FAT (6) | 0.00 2.99 2.99 2.99 2.00 0.00 | 55.90 | | 2110 | 0 03820 | |
| PROTEIN (G) | 26.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4 | 57.03 | CAROTENE TOTAL A (MG) | 1.267 | .000 | |
| WATER (G) | 169 958 17, 855 17, 86 90 90 | 188.91 | ∀ (21) | 0 121 | 0 110 | |
| MENU 7 | BEEF STEW CRACKERS UST PEANUT BUT CHERRY NICK BEVERAGE BSE COFFEE INSTA CREAM SUB ND SUGAR TABASCO SCE | SUM | | BEEF STEW CRACKERS UST PEANU) BUT CHERRY NICK BEVERAGE BSE | COFFEE INSTA CREAM SUB ND SUGAR TABASCO SCE SUM | |

| MENU B | WATER (G) | PROTE IN (G) | FAT (G) | ASH (6) | CALCIUM (MG) | OM PHOS | | IRON (MG) | SODIUM (MG) | POTASS (MG) | MAGNESIUM (MG) | | NACL (6) | ZINC (MG) | CHOLESTROL (MG) | rrol |
|-------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------|----------------------------|-------------------------------------------------|----------------------------------------------|-------------------------------------------|-----------------|----------------|---------------------|----------------------------------------------|---------------------|-------|-----------------------------------------------|------------------|-----------------------------------------|-----------------------------|
| HAM SLICES POT AU GRAT JELLY | 84.07 111.59 9.70 | ~ | 5.32 7.65 .05 | 4.21 2.03 .05 | | | | 37 | 1364 | 272 | 24 26 | %÷ . | 0132 | 2.3 0.3 | 20 | |
| CRACKERS UST ' BROWN CHCV CCCOA BEV PO BEVERAGE BSE COFFEE INSTA CREAM SUB ND | 8 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 4.6. 9.9.4. 9.9.9. 9.00. 9.00. | 82.88 82.89 89.00. ± | 2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. | 26 24 24 24 24 25 44 26 | 22.59 99.00 99.00 99.00 99.00 | | 54.64.0 | 8 - 4 4 8 - 4 4 8 0 | 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, | | | 4 = 4 8 8 8 8 8 8 | 8 8 | ~ | |
| Wns. | 211.02 | 44.13 CAROTENE | 45.92 107AL A | . 0.82 (9.82 | 81 81 81 81 | 1125 1125 82 N | IACIN | 5.29 | 2457 H | 1524 0 (5) | 128 812 (MCG) | m (m) | 5. 13 CHD (G) | 2.86 CALORIES | ₽ | 7 VE1GHT (G) |
| HAM SLICES POT AU GRAT JELLY | 430 | . <u>2</u> 2 | 520 10 | | 8.00 8.40 | #= 8 #= 8 | ₩. . | | | ្សេ ប្ | . | | 5 6 6 | | | 2.4.9 |
| CRACKERS UST BROWN CHCV COCCA BEV PD BEVERAGE BSE COFFEE INSTA CREAM SUB ND | 2920 | 8 8 | 2920 2920 0 | 0-48t 0 | 8. 6. E. 8. | £8± 0'8'8 | u • 4 u • o | ### 888 ### | | Own | - 8 | e | 22.25.26.26.26.26.26.26.26.26.26.26.26.26.26. | | 2 2 2 2 4 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 | 4 10 4 10 4 10 4 10 4 10 |
| ens. | 3800 | .055 | 3900 | 16 | 3.02 | 1.15 | 10.4 | 2.06 | | 25 | 9 2. | 4.33 | 162.07 | | 1238 | 413 |

| MENU 9 | WATER (G) | PROTEIN (G) | FAT (G) | ASH (G) | H CALCTUM | _ | PHOS (MG) | IRON (MG) | S0011 (MG) | | S MAGNESIUM (MG) | | | | CHOLESTROL (MG) | ROL |
|------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------|----------------------------|---------------------------------------------|------------|-------------|-----------------------------------------|--------------|-------------------|---------------|------------------|--------------|-------------------------|----------|-------------------|-----------------|
| MEATBLS/RICE FRUIT MX DEH PEAULT GUT CPACKERS UST | 24 80 9 4 80 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 32.64 . 49 12.61 | 84. 84 84. 88 84. 88 | | | | 293 12 147 | 22. | 1399 | | 52 7 70 42 64 | | 8244 | | 3 | |
| COOKIES CHCV BEVERGE BSE COFFEE INSTA CREAM SUB ND SUGAR | 44.0000 | | 2.27 | 6.2.4.4.6 | 0 4 4 6 | | 0 2 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 99 | 4 4 4 5 0 | 0.252 | 0 - 0 0 2 | | +8888 | 64.0 | - | |
| SUM | 149.96 | 55. 96. | 56.60 | e. | 4 | £ + 4 | 44 | 7.86 | 1922 | | 273 | • | 4.35 | 7.38 | \$ | |
| | (10) | CAROTENE TOTAL (MG) (1U) | TOTAL A | ပ် (((((((((((((((((((| 8 (E (E) | 82 (MG) | NIACIN (MG) | _ | 86 F(| (MCG) | 812 (MCG) | A () | £6 | CALORIES | _ | WEIGHT (a) |
| MEATBLS/RICE FRUIT MX DEH PEANUT BUT | 1710 | .023 | 40 17 to | 33 | 0.0.6 | <u>1,00</u> | F 4 | | % <u>2</u> 8 | 32 6 27 | . | 4. E | 13.7 | | 33.00 | 227 15 43 |
| CRACKERS UST COOKIES CHCV BEVERAGE BSE COFFEE INSTA CREAM SUB ND | 490 | 8 | 0 0 0 | 0 4 15 15 | 86. 84. | | | • | 8 .5. 8.8. | 01 | - | - 60 - 60 | 22.78 26.06 22.19 | | 199 150 190 | 440 |
| | 2200 | .000 | 0 7540 | 152 | 2.38 | 8. 8. | | | 8. 8. | 22 | 1.02 | 8.80 | 146.30 | | 24 | e <u>£</u> |

| CHOLESTROL (MG) | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | : | WEIGHT (a) | U 1449W PBU 04W48 | 481 |
|--------------------|-----------------------------------------------------------------------------------------------------------|---------------------|-----------------------|----------------------------------------------------------------------------------------------------------|----------|
| ₹ 5 | | • | IES | 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1230 |
| 21NC (MG) | 8 88. | 8 . | CALORIES | | |
| ~~ | | • | £6 | 22.78 28.68 22.28 22.68 22.78 22.78 | 129.84 |
| NACL (a) | 24.88.000 84.88.000 84.88.000 | 6 • • | | _ | |
| 5 | | | - <u>₹</u> | 20.00 | 5.96 |
| MAGNES! | 845500- | , 0 | 812 MCG) | 8 - | .56 |
| 3) | | . • | _ | | |
| P01 | 22 22 192 22 24 11 | 624 | z | | |
| | | | (MCG) | 4047 | ED ED |
| SDD1UM (MG) | 603 444 200 200 444 | 15.38 O | <u>5</u> = | | |
| • | | · | 88 140 | <u> </u> | 2.01 |
| MG) | 9222 | .01 | | | |
| | | • | CIN G | 84 - 8804 8 0 | 11.9 |
| S Œ | 229 235 235 130 10 10 | 9 | NIACIN (MG) | 9 | = |
| <u> </u> | N N- | • | | | ũ |
| <u> </u> | 0-0-0-5 | n | 82 (82 (82) | 4.8.0.4 0.8.0 | . 92 |
| CALCIUM (MG) | 26 158 158 158 158 158 158 | 20 0 | • | ## ## O | ø |
| | ~~~~~ | . . | # (S | 88.4 | 2.19 |
| ASH (G) | 2.02 1.29 1.72 1.22 2.22 | 6. 90 0. 90 | | | |
| | | | Ω Σ | 0 | 67 |
| FA (6) | 8.89 5.58 15.77 21.79 2.99 .00 | | ∢ _ | | _ |
| | 8 10 14 C | \$ | TOTAL (TU | 600 | 3510 |
| PROTE IN (G) | 26.04 4.43 5.68 12.57 2.60 2.00 | 8 # | W _ | | _ |
|) | 26.08 2.05 2.05 2.05 2.05 2.05 2.05 2.05 2.05 | 80. 4.18 | CAROTENE TOTAL A (MG) | 8 8. | 8 |
| # C | 172. ± 18. ± 14. 79 12. ± 10. 06 | | (IU) | 29 0 0 0 0 | 3510 |
| WATER (G) | <u>t</u> = 4 | 308 | 5 | , , , , , , , , , , , , , , , , , , , | 35 |
| | | | | ν ⊢ ພ ∢۵ | |
| | TUNA/NOODLES CRACKERS UST CHEESE SPR CH NUT CAKE BEVERAGE BSE COFFEE INSTA CREAM SUB ND | | | TUNA/NDDDLES CRECKEN UST CHEESE SPR CH NUT CAKE BEVERAGE BSE COFFEE INSTA CREAM SUB ND | |
| ō | KER: SE: SE: TUT (RAGE | X | | N N N N N N N N N N N N N N N N N N N | |
| MENU 10 | CRAC CHEE CHEE CHEE CHEE | SUGAR SUM SUM | | TUNA/P CRACKE CHEESE CH NUI BEVER/ COFFEI CREAM | 25 |
| • | | | | | |

RECURD OF MUTRITIVE VALUES MRE VIII

| CHOLESTROL (MG) | 92 | | • | | _ | | | | | | 30 | WE IGHT | | 227 | ָרָ פַּ | 45 | 43 | 4 3 | 37 | 46 | ю · | 4 1 | 1 6 | A. |
|--------------------|-----------|--------------|--------------|------------|--------------|------------|--------------|--------------|--------------|-------|----------|------------------|------|-----------|--------------|---------------|--------------|------------|-------------|----------|--------------|--------------|------------|----------------|
| | | | • | 77 | | | | | | | ₽ | CALORIES | | 289 | 10 10 | 199 | 169 | 226 | 167 | 5 | • | <u>ب</u> | 7 | 1310 |
| ZINC (MG) | 2.27 | 8 | | ! | .43 | 9 | 8 | | | | 2.85 | | | õ | 36 | 75 | 19 | 8 | ဓ္ဓ | 6 | 1 9 | = | 18 | 4 |
| NACL (G) | 2.22 | <u>.</u> | * | .65 | . 17 | 10 | 8 | 8 | .03 | 8 | . 69 | 9 | | 17.10 | | 32. | - | 26. | 28 | 28 | ~ | 4 | ĸ. | 157.42 |
| _ | a | | | | | | | | | | M | E (8) | | 89 | 7 | 6 | .21 | 68 | 43 | | | | | 3.55 |
| MAGNESIUM (MG) | 36 | មា (| 12 | 9 | 22 | Ξ | 0 | 6 0 | - | 0 | 5 | 612 (#CG) | | . 23 | | = | | | | | | | | .33 |
| POTASS (MG) | 458 | 113 | 72 | 5 8 | چ | 67 | 7 | 8 | 1.1 | 0 | 980 | SCI N | 5 | 0 | 0 | 0 | • | 7 | | | | | | s n |
| SODIUM (MG) | 1039 | o | +84 | 441 | 40 | 74 | 8 | ~ | 9 | 0 | 1861 | FOLACIN | | <u>\$</u> | | | | | | | | | | 113 |
| | | | | | | | | | | | | 98 (08 | | .39 | <u>.</u> | 38 | - 38 | 27 | ō | , | 8 | 8 | 8 | 2.44 |
| I RON (MG) | 2.4 | Ď. | 7. | ×. | 6 | 7 | - | - | - | 0 | 5.46 | Z | 5 | 12.7 | ĸ | • | 0 | | | | • | | o. | 17.3 |
| PHOS (MG) | 293 | . | 23 | 235 | 20 | 4 | 33 | 5 | 78 | 0 | 114 | NIACIA | | | | | | | | | | | | |
| CALCIUM (MG) | 16 | 6 | 61 | 58 | 29 | 44 | 36 | - | _ | 0 | 559 | 82 | 2 | . 20 | 9 | 8 | 6 | . c | . 8 | | ō | 8 | 8 | . 8 |
| | | | | | | | | | | | гл 80 | # (§ | | 7 | 6 | 5 | | | č | | | | 8 | 2.47 |
| ASH (G) | 2.9 | ĕ. | - 2 | 1.7 | 'n | • | Ċ | Š | | 60 | 7.9 | ပဋ | 5 | | 7 | C | 7.0 | ; | ť | 25 | ž č | • | 0 | 113 |
| FAT (G) | 10.95 | .07 | 5.58 | 15.77 | 12.17 | 4.79 | 66 0 | 8 | 60 | 8 | 53.42 | OTAL A | (10) | | Ş | 2 | 2010 | | | | | | 0 | 3500 |
| PROTEIN (G) | 30.62 | .70 | 4.43 | 5.68 | 3.03 | 2.65 | 2 4R | 3 | | 8 | 49.87 | CAROTENE TOTAL A | | | 980 | 2 | 3 | | | | | | 8 | 650. |
| WATER (G) | 165.18 | . 36 | . 95 | 18.17 | .74 | 77 | | . e | 2 | 8 | 186.66 | | (05) | | | c | 9 0 | |) n f | | | | 0 | 3400 |
| MENU 11 | CHIX/RICE | PEACHES FROH | CRACKERS UST | CHEESE SPR | COOKIES CHCV | CANDY AVER | REVEDACE RAF | COEFFE INCLA | COFAM SUR NO | SUGAR | NOS | | | CH1X/RICE | DEACHES FROM | COACKEDE LICT | CARCATA CO. | | CANDY AVER | | COFFEF INSTA | CDEAM SUR NO | } | SUM |

| MENU 12 | WATER (G) | PROTEIN (G) | N FAT | ASH (G) | CALCIUM (MG) | | PHOS 1RON (MG) (MG) | | SOD TUM (MG) | POTASS (MG) | MAGNESIUM (MG) | (a) | ZINC (MG) | | CHOLESTROL (MG) |
|---------------------------------------------------------------|-------------|--------------------------|-------------------------------|------------------------------------------|-----------------|----------------|------------------------------------------|------------|-----------------------------------------|--------------------------------------------|--------------------|-------------|----------------|------------------------------|-----------------|
| HAM/POTATOES APPLESAUCE CPACKEPS UST | 174.82 | 23.63 | 88 | 3.97 | | | | | 1204 4 184 | 576 77 72 | 8 4 5 | 2.54 | 2.27 | 22 28 | ္အ |
| JELLY BROWN CHCV COCOA BEV PO GEVERAGE BSE COFFEE INSTA SUGAR | | | 16,29 6,95 2,99 1,09 | 22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2 | 2469470 | | 24.1.1.2.1.2.1.2.2.1.2.2.2.2.2.2.2.2.2.2 | | £ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 121 487 27 71 0 | 40 40 a - 0 | <u> </u> | | 8. 8. | 6 |
| 3 | 290.45 | 38.09 | 41,63 | 8.72 | 435 | | 757 8. 8. | <u>.</u> | 1714 | \$ 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 127 | 3.62 | | 2 · 8 · 2 | 9 |
| | 4 35 | CAROTENE TOTAL (MG) (TU) | TOTAL A | ပ (၅) | B.1 (MG) | 82 (MG) | NIACIN (MG) | 86 (86) | FOLACIN (MCG) | - | 812 (MCG) | # (# E | CHO (a) | CALORIES | WE 1 GMT (0) |
| HAM/POTATOES | 280 | | 280 | i | .36 | . 25 | 7.0 | 8. | 50 | _ | .23 | 89. | 15.92 | 234 | 227 |
| APPLESAUCE | ō d | 8 | ō c | m C | ō. 5 | 0 4 6 | . 45 | 9 8 | - 0 | | = | 6. | 32.75 | 66 | 5 4 |
| CRACKERS US! JELLY | > | § | 5 | , - | 8 | 8 | 0 | 8 | • | | | | 18.29 | 75 | 50 |
| BROWN CHCV COCOA BEV PD | 450 2920 | | 450 2920 | - 8 0 | 6 | 8 - | 4 n | 1.13 | e no | . . . | 8. | 8 8 8 | 29.69 | \$ 5 5 | 4 4 6 |
| BEVERAGE BSE COFFEE INSTA CREAM SUB ND | 1 | 1 | • | 5. 15. | 8 | 288 | ei c | 888 | | | | | 9.5.6 6.5.6 | 0 0 4 | , co 4 6 |
| SUGAR | 0 | 8 | 0 | ۰ ; | 8 8 | 3 8 | | 3 9 | ŭ | | \$ | 7 | | 1272 | |
| T | 3660 | 8 | 3670 | 26 |) () | 5 | o. - | | | _ | | 7 | | • | 3 |

| TROL | 0.00 .00 | 7 WEIGHT (G) | 0 4 4 4 4 8 8 0 4 4 4 8 8 8 4 8 8 8 4 8 8 | 848 |
|--------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| CHOLESTROL (MG) | 9 6 | ₽ | 22. 20. 20. 20. 20. 20. 20. 20. 20. 20. | 1217 |
| ZINC (MG) | 2. 2. 5. 6. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. | 2.37 CALORIES | | |
| | | 9 6 | 22.5.20 22.5.20 22.7.30 22.7.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.30 23.3 | 142.56 |
| NACL (G) | 2.00 4.00 6.00 6.00 6.00 6.00 6.00 6.00 6 | 4.17 (mg) | 8. 2. 2. 4. 2. 4. 2. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. | 2.22 |
| MAGNESIUM (MG) | 4400000000 | 9 | | |
| | | 812 (BCG) | £ | |
| POTASS (MG) | 201 117 122 228 268 268 117 | 88 60 X 1 | | |
| SOD I UM (MG) | 886 447 847 847 847 847 86 86 86 86 86 86 86 86 86 86 86 86 86 | FOLACIN (MCG) | PP404- | 24 |
| SOS M | 20 € 4 | 98 (3.5) | 200 mm - 000 000 000 000 000 000 000 000 | 1.95 |
| IRON (MG) | 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 4.17 | - | - |
| ١٥ ٥ | N> + N KI + D O B O | NIACIN | 0.4 m m 0 . m 0 | 6.6 |
| SOHIA SOHIA | 112 123 123 123 133 100 100 | 581 82 N | 60.00 00.00 00.00 00.00 00.00 | .91 |
| CALCIUM (MG) | 0.4 0.0 4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | 576 | | |
| ASH C. | 989 333 333 337 337 337 337 337 | 79 81 (MG) | 0.000 mio. 0 | 1.95 |
| ₹3 | 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 0 (54) | 80407 8t 0 | 87 |
| #A7 (6) | 00 00 00 00 00 00 00 00 00 00 00 00 00 | 56,41 TOTAL A (TU) | 800 420 2910 0 | 4130 |
| PROTEIN (G) | 10.0 4 10.0 4.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6 | 34.75 56,4 CAROTENE TOTAL A (MG) (IU) | £. 80 86. 00 00 | . 135 |
| WATER (G) | 64.97 116.33 101.15 .95 18.17 .77 .12 .06 | 302.84 A C | 580 420 2910 0 | 39 10 |
| ALT + | FRANKFURT POTATO T PEACHES T CRACKERS UST CHEESE SPR CANDY AVER CANDY AVER COFFEE INSTA CREAM SUB ND | N | FRANKFURT POTATO T PEACHES T CRACKERS UST CHEESE SPR CANDY AVER BEVERAGE BSE COFFEE INSTA CREAM SUB ND SUGAR | SUM |

| CHOLESTROL (MG) | | WEIGHT (G) | 01- 01-4-4-0-4-0 0-4-4-0-4-0-4-0-4-0-4-0-4-0-4 | 568 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <u>ਤ</u> | | RIES | 27 20 20 20 20 20 20 20 20 20 20 20 20 20 | 394 |
| ZINC (MG) | *. ÷ 8 | 4.80 CALURIES | | |
| | | 8 9 | 22 22 22 24 24 24 24 24 24 24 24 24 24 2 | 184.34 |
| (a) (a) | 8 44 5 488 28 | 3.61 | | = |
| | 4 | | 8. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6 | 4.40 |
| MAGNESIUM (MG) | # # C T T W O 8 - O | 189 812 (MCG) | | 1.54 |
| 188 | | | • | - |
| POTASS (MG) | 644 289 272 467 467 467 467 467 | N _ | | |
| = | | 51 17 FOLACIN (MCG) | 8750-8 | 103 |
| SDD I UM (MG) | E 24 C C C C C C C C C C C C C C C C C C | F0 | | |
| N - | | 98 (MC) | 4.00 8.0 E 888 | 2.09 |
| IRON (MG) | 4.08 17.74 81.74 1.24 1.24 1.24 1.24 | 2.4. | • | 8 |
| 25 | • | . N.C | | 9 |
| v ~ | 08088-2469 | NIACIN (MG) | ₩ 40 | 14.6 |
| PHOS (MG) | 22 44 44 45 45 45 45 45 45 45 45 45 45 45 | 11 | ##### - #O | _ |
| ₹ (a | 10.00 | 82 (MG) | 2.00 4.00 ± 0.00 | 1.1 |
| CALCIUM (MG) | 24 26 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | - 64 | 425821 8 | 2 |
| | | 6 (86) | 4.0.4.8.9.1. 4.0.4.8.9.0.1. | 3.32 |
| ASH (G) | E ++ + + + + + + + + + + + + + + + + + | si. | 4.50 4.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 | • |
| | | 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 124 |
| FAT (G) | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 51.39 TAL A | | Ö |
| z | - | 101 | 1710 | 5960 |
| PROTE IN (G) | 22.94 42.64 44.43 22.65 22.65 22.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 23.65 25 25 25 25 25 25 25 25 25 25 25 25 25 | AB.41 51.3 CAROTENE TOTAL A (MG) (IU) | w 0 0 | 9 |
| g. | | AROT (MG | . | . 796 |
| - | 000000000000000000000000000000000000000 | | 0000 | |
| WATER (G) | 167.85 102.51 195 177 1.10 1.10 1.20 1.30 1.30 | 274.23 | 1710 0 2920 | 4630 |
| 3 | ₩ | 7 | | |
| ALT 2 | CHILI MAC PEARS PEANUT BUT CRACKERS UST CANDY AVER COCCA BEV PD BEVERAGE BSE COFFE INSTA CREAM SUB ND | | CHILI MAC PEARS PEANUT BUT CRACKERS UST CANDY AVER COCCA BEV PD BEVERAGE BSE COFFE INSTA CREAM SUB ND | \$UM |

MIN PERMITOR OF THE

| | | | CHO CALORIES WEIGHT | 2. 4. 3. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. | 2 37 |
|----------------------------|---------------------------------|------------|---------------------|------------------------------------------------------------|-----------|
| | , | | AL OR 1ES | 149 240 113 | 167 |
| ZINC | 0.6 | 0.16 | <u> </u> | 28.51 29.17 27.56 | 10.51 |
| MACL | 0.33 0.15 | 0.16 | ш | 1.15 | 64 |
| RENES | N E | 11 | 812 | | |
| IEON SONIUM POTRISS MAGNES | 13.5 - | 6 6 | BS FOLACIN | 040 | - |
| SOUTUM | 41 65. 6 | 12 | . | 0.01 | n. 01 |
| IFON | 000 000 000 | 5. | NIEC | 0.0 4.00 | 0.1 |
| SOHA HO | 需要 人 | 7 | 82 | 0.05 0.12 0 | 0.06 |
| 5 | 5 to 4 | ₹ | Ξ | 6.01 0.05 0.02 0.12 0 0 | 0.01 0.06 |
| HCH. | 다 다 다 도 도 도 | 14 | ပ | c. | |
| 1111 | з. 36 16. 7 н. эт | 2.65 4.79 | CNPO TOTRIL. | | |
| PPOTE IN | 1.29 6.67 0 | 2.65 | CORD | | |
| MATER | 1.31 0.6 0.4 | 0.77 | Œ | | |
| | CHRRMET ST MICHS CLEVRINS | RVERRGE | | Craram: LS Mans Clarams | RAFPER |

NOTE 1: CARBOHYDRATE HAS BEEN COMPUTED BY DIFFERENCE

COCOA BEVERAGE POWDER, CHEESE SPREAD AND THE COATINGS FOR OATMEAL COOKIES AND BROWNIES ARE FORTIFIED WITH VITAMIN A, ASCORBIC ACID, THIAMIN AND PYRIDOXINE. PEANUT BUTTER IS FORTIFIED WITH VITAMIN A, ASCORBIC ACID AND THIAMIN. COFFEE IS FORTIFIED WITH ASCORBIC ACID. CRACKERS ARE FORTIFIED WITH CALCIUM CARBONATE, THIAMIN, RIBOFLAVIN, NIACIN AND PYRIDOXINE. 2: NOTE

CALORIES HAVE BEEN COMPUTED USING 4, 9, 4, CALORIE FACTORS.

NO ADJUSTMENTS HAVE BEEN MADE TO COMPENSATE FOR NUTRITIONAL LOSSES DURING STORAGE. NOTE 4: BLANKS IN COLUMNS REPORTING NaC1, ZINC, CHOLESTEROL, FOLACIN, VITAMINS B12 AND E DATA INDICATE MISSING DATA, NOT ZERO VALUES. NOTE 5:

APPENDIX F. Body Weight Checklist

| отнек | | | | | ! | | | | | | | | | | | | | | | |
|------------------------------|---------------|------------|---------------------|------------|-----------------------|---------------|---------------------|--------------|-------------|---------------|--------------------|---------------|--------------------|------------|-------------|------------|-------------|------------|--------------------|------------|
| | | | | | | | - المناسب بياد درسا | | | | | | | | | | | | | |
| SLEEP SHIRT | YES | SS | YES | 2 | YES | 2 | YES | Q | YES | 2 | YES | 2 | YES | Q | YES | Q | YES | Q | YES | Q. |
| FIELD JACKET AND/OR LINER | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N | JACKET Y N | LINER Y N |
| LONGJOHN TOP/BOTTOM | TOP | NONE | TOP | NONE | TOP | BOLTOM | TOP | NONE | TOP | NONE | TOP | NONE | TOP | NONE | TOP | NONE | TOP | NONE | TOP | NONE |
| BELT | YES | 2 | YES | 2 | YES | Q | YES | 2 | YES | 2 | YES | 2 | YES | 2 | YES | 2 | YES | 2 | YES | S S |
| UNDERWEAR | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N | T-SHIRT Y N | SHORTS Y N |
| TOO. | HOT | NONE | HOT | NON E | HOT | SOLD | ΕĐ | NO SE | НОТ | NON- | HOT | NONE | HOT | NONE | HOT | NONE C | EQ. | NONE | HOT | NO SE |
| BDU TOP | HOT | NONE | HOT | NONE | 1 | SO E | HOT | N N N | HOT | NO SE | HOT | NONE | HOT. | NO EN | F 04 | NON | HOT | NONE | HOT | NON S |
| SOCKS | PAIRS WOOL | SPORT | PAIRS | WOOL | PAIRS | WOOL SPORT | PAIRS | SPORT | PAIRS | WOOL SPORT | PAIRS | WOOL SPORT | PAIRS | SPORT | PAIRS | SPORT | PAIRS | SPORT | PAIRS | SPORT |
| BOOTS | CORCORAN | COMBAT | CORCORAN IUNGI E | COMBAT | CORCORAN II INCI E | COMBAT | CORCORAN | COMBAT | CORCORAN | COMBAT | CORCORAN JUNGLE | сомват | CORCORAN JUNGLE | COMBAT | CORCORAN | COMBAT | CORCORAN | сомват | CORCORAN JUNGLE | COMBAT |
| WEIGHT | | | | | | | | | | | | | | | | | | | | |
| DAY GROUP | | | | | | | | | | | | | | | | | | | | |

APPENDIX G. MRE Intake Record

Appendix G MREINTAKE RECORD

| | NAME: _ | | ID: | | DATE: | | |
|--------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|
| FOOD TYPE | CODE | FOOD ITEM (Circle One) | AMOUNT EATEN | WHEN WATER EATEN ADDED (Miltary (Canteen | MOC SELECTION AND SELECTION AND SELECTION AND SELECTION AND SERECTION AN | DID YOU HEAT THE ITEM? | HOW DID YOU HE 4T THE ITEM? |
| ENTREE | 01 : 02 1 03 | Pork w/Rice, BBQ Sce Spaghetti w/Meat Sauce Ham Slices Tuna with Noodles Chicken & Rice Esc. Potato w/Ham Corned Beef Hash Chicken Stew Omelet with Ham Chicken a la King Beef Stew Meatballs, Rice & Sce | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | Time) Cups) | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO | |
| STARCH | | Crackers Potatoes au Gratin | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | NA | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO | |
| SPREAD | 23 | Cheese Spread Jelly Peanut Butter | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | NA NA NA | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO YES NO YES NO | |
| FRUIT | 30 1 31 2 32 1 | Peaches Pears Applesauce Fruit Mix Strawberries | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO YES NO YES NO YES NO | |
| DESSERT | 39 1 40 (41 1 42 (| Choc. Covered Cookie Brownies Cherry Nut Cake Maple Nut Cake Oatmeal Cookie Bar Chocolate Nut Cake | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | NA NA NA NA NA | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO YES NO YES NO YES NO YES NO YES NO | |
| BEVERAGE | 50 51 52 | Coffee Grape Beverage Lemon-Lime Beverage Cherry Beverage Orange Beverage Cocoa | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | YES NO YES NO YES NO YES NO YES NO YES NO | |
| OTHER | 59 60 61 62 63 | M & M's Caramels Charms Gum Hot Sauce Cream Substitute Sugar Salt | 0 1/4 1/2 3/4 1 or 0 1/4 1/2 3/4 1 or | NA NA NA NA NA | 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 | | |

| Use the | scal | ie belo | w to | rate the | e follo | wing | before | each | MRE me | How many people did you eat each MRE meal with? Please write in a number. |
|---------|------|---------|------|----------|---------|------|--------|------|---------|---------------------------------------------------------------------------|
| } | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | MEAL 1 MEAL 2 MEAL 3 MEAL 4 |
| NOT | TA | | | | | | | EX | TREMEL | Were these friends or other men in your company? |
| AI | L | | | | | | | | | 1 2 3 4 5 |
| '- | _ | WHE | V | | | | | | | ALL FRIENDS 1/2 FRIENDS ALL OTHER |
| MEAL | L | EATE | N | HUNG | GRY | | FULL | | THIRSTY | MEAL |
| 1 | | | | | | | | _ | | 1 |
| 2 | | | _ | | | | | _ | | 2 |
| 3 | | | _ | | | _ | | _ | | 3 |
| 4 | | | _ | | | _ | | - | | 4 |
| L | | | | | | | | | | |

Please estimate the number of quarts of PLAIN water you drank during each time period listed below. If you drank more than 2 quarts of water during any one period, write in the total amount on the line provided.

| Time Periods | | | Amou | nt of | wat | er (porti | ons of a | quart) | | |
|------------------------------|---|-----|------|-------|-----|-----------|----------|--------|---|----|
| During Breakfast | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | or |
| Between Breakfast and lunch | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | or |
| During Lunch | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | or |
| Between Lunch and Dinner | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | or |
| During Dinner | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | or |
| Between Dinner and Breakfast | 0 | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | Or |

| What was your activity level today? (Circle one) | LIGHT | | MODERATE | | HEAVY |
|--------------------------------------------------|-------|---|----------|---|-------|
| • | 1 | 2 | 3 | 4 | 5 |

APPENDIX H. T Ration Plate Waste Form

Appendix H

| GROUP DAY MEAL | | | | | | | | | | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BREAD KIND | WI WE | MI ME |
| FRESH FRUIT KIND | AOBP | AOBP | AOSP | AOBP | AGEP | AOSP | AOBP | AOBP | AOBP | AOBP |
| CEREAL KIND | | | | | | | | | | |
| COFFEE | | | | | | | | | | |
| COCOA | | | | | | | | | | |
| MILK KIND | ć w | C W | c w | c w | c w | c w | c w | c w | c w | c w |
| JUICE KIND | O G | O G | 0 G | O G | O G | O G | O G | O G | O G | O G |
| PORK PATTIES | | | | | | | | | | |
| BISCUITS | | | | | | | | | | |
| CINNAMON CRUMB CAKE | | | | | | | | | | |
| PEACHES | | | | | | | | | | |
| HOT SAUCE | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

APPENDIX I. T Ration Acceptability Form

Appendix I

| Breakfast Acceptability Name: ID: Date: | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------|---------------------------------------|--------------------|------------|--|--|--|--|
| Please use the following scale to indicate your like or dislike of each of the T Ration items you ate at this meal. | | | | | | | | | |
| 1 | ELY MUCH MODERATELY SLIGH | KE LIKE TLY DISI | LIKE SLIGHTLY | LIKE MODERATELY | | | | | |
| Entree | 2 3 4 Omelet w/ Bacon aand Cheese Corned Beef Hash | 8 | , , , , , , , , , , , , , , , , , , , | , , 888 | ; ; 888 | | | | |
| Fruit | Pears | 8 | 888 | 888 | 888 | | | | |
| Beverages | Orange Juice Coffee Cocoa White Milk Chocolate Milk | | | | | | | | |
| Bread | White Wheat | 8 | 888 | 888 | 888 | | | | |
| Oatmeal | Peaches and Cream Cinnamon Spice Raisin Spice Strawberry Maple Brown Sugar Apple Cinnamon | | | | | | | | |
| Fresh Fruit | Apple Orange Pear Bananas | | | | 888 | | | | |
| Cereal | Frosted Krispies Sugar Smacks Fruit Loops Frosted Flakes Corn Pops | | | | | | | | |
| OTHER: | DO NO | ST WRITE | 888 | 888 | 888 | | | | |
| DO NOT WRITE BELOW LINE | | | | | | | | | |
| Page B3 9882 SURVEY NETWORK | | | | | | | | | |

APPENDIX J. Control Group Final Questionnaire

Appendix J

TRAY RATION FINAL QUESTIONNAIRE

Thank you for participating in our T-Ration evaluation. We would like to ask you your overall opinion of the T-Ration. Your opinions will be very important in determining any changes that will be made in the ration. Your answers will be kept confidential. Please answer honestly and thoughtfully.

| 1. Y | our name: | • | | | the state of the s | | | | | |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|--|--|--|
| 2. Y | our Social Sec | curity Number | (Last four digit | s only): | | | | | | |
| 3. Y | our rank: E | | W | O | | | | | | |
| 4. Y | our Company | • | Plan | toon: | | - | | | | |
| 5. E | Oo you think yo | ou gained or lo | st weight durin | g this exercise | ? | | | | | |
| | ◯ G | ained (| Lost | ○ No | either gained no | or lost weight | | | | |
| | If you think you GAINED weight, what were some of the reasons? If you think you LOST weight, what were some of the reasons? | | | | | | | | | |
| | a. Ate too much food b. Drank too much water/beverage c. Too little physical activity d. Other (specify) a. Ate too little food b. Drank too little water/beverage c. Too much physical activity d. Other (specify) | | | | | | | | | |
| 6. 1 | How easy/diffi | icult was it to o | btain water? F | ill in the circle | under your an | swer. | | | | |
| 7 | Extremely Difficult 1 How did you o | Difficult 2 | Difficult 3 | Difficult 4 | Easy 5 | Moderately Easy 6 | Extremely Easy 7 | | | |
| | 7. How did you obtain water? Fill in the circle next to all answers that apply. a. From a stream b. From a lake or pond c. 5 gallon cans d. Water Buffalo e. Other (please write in) DO NOT WRITE BELOW THIS LINE | | | | | | | | | |
| | | | DO NOT WR | ILLE REFOR | THIS LINE | | | | | |
| GP A B | SUBJ | | E C | | 5 6 7 8 9 | B P S | 3456780 | | | |

Page 1C

4665

| | e would like | - | | | | | | | | | | 0 |
|-----------------------------------------|------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------|--------------------------|---------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|
| | sing the scale | - | | | | | | t describ | es you | r opinio | n | |
| Ol | f each item. | II you nev | er med an ito | om, illi in u | ie circi | e under | U. | | | | | |
| NEVER | DISLIKE | DISLIKE | DISLIKE | DISLIKE | NEITH | ER L | IKE | LIK | E | LIKE | LIK | E |
| TRIED | EXTREMELY | | ODERATELY | SLIGHTLY | | NOR SLIC | GHTLY | MODER | ATELY | | EXTRE | MELY |
| 0 | 1 | MUCH 2 | 3 | 4 | DISLI 5 | K.E. | 6 | 7 | | MUCH 8 | 9 | |
| • | T RATION | BREAKF | AST ITEMS | 3 | 0 | 1 2 | 2 3 | 4 5 | 6 | 7 | 8 9 | |
| 1, | Western Or | nelet | | | $\overline{\bigcirc}$ | 0 | | | | \bigcap | | 1 |
| 0.000 | Omelet with | | and Potatoe | 8 | と | 100 | ろひ | 30 | 30 | 70 | ろひ | |
| | Bread Pudo | | | 0.8450 | Q | QQ | QC | $Q\zeta$ | O(| \bigcirc | \bigcirc | |
| 10/20/20/000 | Omelet with | . 5500 000000000000000000000000000000000 | | | \mathcal{Q} | 199 | QQ | Q_{Σ} | Q | $Q\zeta$ | Q | |
| | Creamed G Omelet with | | | | \mathcal{L} | 199 | 4 \mathcal{A} | $\mathcal{A}\mathcal{A}$ | 252 | $\mathcal{L}_{\mathcal{L}}$ | $\mathcal{A}\mathcal{A}$ | |
| 22/0000 | Eggs and H | | ia Chese | | X | I>>> | $\prec \succ \prec$ | ' $>$ $<$ $<$ | $\forall \succ$ | Σ | $\prec \succ \prec$ | |
| | Potatoes wi | | ieces | | } { | } | \leftrightarrow | } | ↔ | $\rightarrow \leftrightarrow$ | \leftrightarrow | Lead 1 E |
| 100000000000000000000000000000000000000 | Ham Slices | | | | \succ | 1×1 | $\prec \succ \prec$ | $\prec \prec \prec$ | $\prec \succ \prec$ | \times | $\prec \succ \prec$ | 1 10 T |
| 10. | Pork Sausa | ge Links | | | \mathcal{C} | 1 | \preceq | $\prec \prec$ | かく | \preceq | くて | |
| | Corned Bee | | occurring gran more made in model in the granders of | Authorities and recognitional transcript | \supset | 100 | | <u> </u> | Σ | \Box | $\int C$ | e trans, debud |
| 30000000 | Wheat Brea | | | | \bigcirc | O | $\supset \bigcirc$ | \bigcirc | \sum | $\mathcal{O}($ | | |
| | White Brea | | 9 (24 D. S. 103 S. 104 S. 133 S. 1 | \$000 (000000000000000000000000000000000 | \mathcal{Q} | 199 | QQ | QQ | QQ | $Q\zeta$ | QQ |) Toxado adober |
| | Apple Coffe | | | | \mathcal{L} | $\mathbb{R}^{\mathbb{N}}$ | 29 | 222 | 22 | $\mathcal{Q}_{\mathcal{S}}$ | 22 | |
| | Peaches in | | | S. 14. 30.40. 27. 1 | $\rightarrow \leftarrow$ | } | \leftrightarrow | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | \leftrightarrow | } | \leftrightarrow | |
| - 10 A 10 | Fruit Cockt | | | | \bowtie | 1 | $\prec \succ \prec$ | \times | $\prec\succ\prec$ | \succ | $\prec \succ \prec$ | |
| 32575 NASM | Pears in Sy | riilialassessassitataassesse | | | \mathbf{a} | | $\prec \succ \prec$ | $\prec \prec \prec$ | $\prec \succ \prec$ | \times | $\prec \succ \prec$ | |
| - | Maple Syru | | | | 7 | 100 | 50 | 5 | 500 | 7 | 30 | · |
| | Hot Sauce | | | | \Box | 100 | \mathcal{O} | 50 | 30 | \mathcal{C} | ろひ | |
| | Orange Jui | | | - 60 George | \bigcirc | | $\supset \bigcirc$ | \bigcirc | \mathcal{O} | \bigcirc | | |
| 3000000000 | Grape Juice | | | | \mathcal{Q} | $Q\zeta$ | QQ | QQ | QQ | $Q\zeta$ | QQ | |
| | White Milk Chocolate N | | | | \mathcal{L} | 1935 | 22 | $\mathcal{A}\mathcal{L}$ | 29 | $\mathcal{Q}_{\mathcal{S}}$ | 22 |) Adama |
| 36.3366.3 | Coffee | /ABR | | | \succ | $ \mathcal{Y}\rangle$ | $\prec \succ \prec$ | \mathbb{Z} | 4 $\cancel{>}$ | \searrow | $\prec \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | |
| | Cocoa | | | | \bowtie | $ \succ \leftarrow \succ$ | $\prec \succ \prec$ | $'$ \succ | $\prec \succ \prec$ | $\rightarrow \leftarrow$ | $\prec \succ \prec$ | |
| 5.222.004.5.2 | Peaches and | Cream C | atmeal | | >+ | } | ♦ | } | *} | } | \leftrightarrow | 49.140.5 |
| | Cinnamon a | | | | と | 1 | か | $\prec \prec$ | $\langle \mathcal{C} \rangle$ | \preceq | $\preceq \succeq$ | ha e |
| 444444444444 | Raisin and | iki kana na akana da kata ka kana kana akana akana a | neal | | \bigcirc | 100 | ろひ | 7 | 5C | 7 | つひ | , i unun on occupa |
| | Strawberry | | | | \bigcirc | | | \bigcirc | O(| \bigcirc | OC | |
| | Maple and | | | l | \mathcal{Q} | \mathbb{Q}^{ζ} | Q | QQ | QQ | $Q\zeta$ | QQ |) 800-800 (1-1-1-1-1 |
| 2.000.0000 | Apple Cinn | amon Uat | mean | | \leftarrow | 15 35 | \mathcal{X} | 535 | \mathcal{X} | \mathcal{X} | \mathcal{X} | |
| | Apple Orange | | | | \mathcal{H} | \mathbb{Z} | $\prec \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\mathcal{L}\mathcal{L}\mathcal{L}$ | 4 | $\mathcal{A}_{\mathcal{A}}$ | $\prec \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | r Awst. |
| | Pear | | | | \bowtie | $ \succ \succ $ | $\prec \succ \prec$ | \times | $\forall \succ \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | \times | $\prec \succ \prec$ | |
| | Banana | | | | \bowtie | 1 | $\prec \succ \prec$ | $\prec \succ$ | $\prec \succ \prec$ | $\prec \prec$ | $\prec\!\!\succ\!\!\!\prec$ | |
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| T RATION BREAKFAST ITEMS 37. Frosted Krispies 38. Sugar Smacks 39. Fruit Loops 40. Frosted Flakes 41. Corn Pops Additional Breakfast Items | |
| 1. Lasagna 2. Beef Pot Roast 3. Hamburger 4. Turkey Slices 5. Chicken Cacclatore 6. Chicken Breast with Gravy 7. Barbecue Pork 8. Beef Strips with Peppers 9. Chili Con Carne 10. Beef Tips with Gravy 11. Green Beans 12. White Rice 13. Potatoes with Butter Sauce 14. Beans with Bacon Sauce 15. Mixed Vegetables 16. Glazed Sweet Potatoes 17. Macaroni and Cheese | 1 2 3 4 5 6 7 8 9 |
| 18. Peas with Carrots 19. Corn 20. Sliced Carrots 21. Wheat Bread 22. White Bread 23. Hamburger Roll | (Continued on next page) |

| NEVER | ontinued) DISLIKE EXTREMELY | DISLIKE V VERY MUCH 2 | DISLIKE MODERATEL 3 | DISLIKE Y SLIGHTLY | NEITHER LIKE NOR DISLIKE 5 | | LIKE MODERATELY | LIKE Y VERY E MUCH 8 | LIKE XTREMELY |
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| 400.00 | . Chocolat | | | | Σ | 222 | 222 | 22 | \mathcal{L} |
| | . Blueberr . Pound C | |] 1925년 - 1775년 2월 | | \times | $\forall \forall \forall$ | $\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}$ | $\langle \Sigma Z \Sigma \rangle$ | $\langle \Sigma \rangle$ |
| 19 000A, 131 | . Chocolate | THE R. P. LEWIS CO., LANSING | riibulukh nakiik = | | $\times 1$ | $\prec \succ \prec \succ \prec$ | $'$ \bowtie | $\langle \succ \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $ | ∜≻ |
| | . Chicelan | | 5 4.85 - 18.60 - 19.00 | | $\times 1$ | $\prec \succ \prec \succ \prec$ | $\prec \prec \prec \prec$ | $\langle\succ \prec \succ$ | $\langle \succ \rangle$ |
| 47.47 | . Spice Cal | 1110 0 70 | | | \times 1 \times | $\prec \succ \prec \succ \prec$ | ルエア | $\langle \succeq \prec \succeq \rangle$ | $\langle \succeq \rangle$ |
| | . Fruit Coo | | | | \sim | 100 C | 500 | | 50 |
| | . Applesau | and the state of t | 386 (66) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 966 (1764) t + | | $\preceq \simeq \simeq$ | LAK | | |
| 32 | . Grape Be | verage | | | OIC | $\mathcal{O}\mathcal{O}$ | 000 | | |
| 33 | . Lemon-L | ime Beve | erage | | O(| | \circ | \circ | |
| | i. Orange E | | | | $Q \zeta$ | QQQ | QQQ | QQ | Q |
| | . White M | contract to the second tree | gragas i prosencio dello la | | QIS | QQQ | QQC | QQC | QQ_{ab} |
| 3 Jan 202 | 6. Chocolat | e Milk | | | \mathcal{L} | 222 | 222 | 222 | \mathcal{Y} |
| | . Coffee | n, ken dajih <u>i i</u> ja | orki originalista | | \mathcal{L} | 222 | 222 | 222 | $\langle \mathcal{S} \rangle$ |
| | L Lemon B | | | | \times | 4 $\cancel{>}4$ $\cancel{>}$ | $(\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}\mathcal{H}$ | $\langle \succ \downarrow \succ$ | $\langle \Sigma \rangle$ |
| |). Cherry B | | | Alles II. ve | $\rightarrow \leftrightarrow \rightarrow$ | ↔ ↔ | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | $\leftrightarrow \leftrightarrow$ | \leftrightarrow |
| 1. Artificia | . Jelly | ulcei | | | \succ | $\prec \succ \prec \succ \prec$ | $\langle \succ \prec \succ \prec \succ \rangle$ | $\langle\succ\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | $\langle \succ \rangle$ |
| | . Ketchup | | | | \times | $\prec \succ \prec$ | $\prec\prec\prec$ | $\langle\succ \prec \succ$ | $\langle \succ \rangle$ |
| | . Mustard | mosta y Persona | ing professional and the registers | Partical No. 18 (1979) + 1900 - 10 - 10 | \times | $\prec \bowtie \bowtie$ | $\prec \prec \prec \prec$ | $\langle \succeq \succeq $ | SC^{-1} |
| and the second second | l. Relish | | | | $ \mathcal{S} $ | くひと | | ろろと | 58 |
| 45 | . Cheese S | pread_ | | | | 100 | | | Ω |
| 44 | s. Salad | | | | OIC | $\mathcal{O}\mathcal{O}$ | $\bigcirc\bigcirc\bigcirc$ | \mathcal{O} | |
| 47 | . Thousan | d Island | Dressing | consequencements to set postetic, letter | O(| OC | | | Q_{aa} |
| | l. Plain Sal | | ng | | $QI\zeta$ | QQQ | QQC | QQC | Q° |
| |). French D | | | | 5315 | \mathcal{X} | QQC | \mathcal{X} | \mathcal{Y} |
| 50 |), Apple | | | | Ω | 295 | 222 | $\langle \mathcal{C} \rangle$ | \mathcal{Y} |
| 5 | l. Orange | | | | \mathcal{L} | 222 | 222 | 222 | $\langle \mathcal{L} \rangle$ |
| 3) E | s. rear 3. Banana | | | | > > > | $\prec \succ \prec \succ \prec$ | $\langle \succ \rangle \langle \succ $ | $\langle \succ \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $ | $\langle \mathcal{Y} \rangle$ |
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| | resease of the second second second | and a second second | | | Q | QQC | | OC | O |
| 7. <u>2.</u> | | | | | $Q \zeta$ | QQQ | QQQ | QQC | Q |
| 8.73 7.7 | , , , , , , , , , , , , , , , , , , , | | | | \mathcal{L} | 222 | QQQ | 222 | \mathcal{L} |
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| | | | | | $\frac{1}{2}$ | | | | |
| | | | | | | | | | |

| 9. V | Ve would like your honest evaluation of the MRE ite | |
|-----------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|
| | in the circle below the number that best describes yo | our opinion of each item. If you never tried |
| | an item, fill in the circle under "0". | |
| | | |
| VEVER TRIED | | THER LIKE LIKE LIKE LIKE SOME SLIGHTLY MODERATELY VERY EXTREMELY |
| | | LIKE MUCH |
| 0 | 1 2 3 4 | 5 6 7 8 9 |
| • | MRE ITEMS | |
| | 0 | 1 2 3 4 5 6 7 8 9 |
| 1. | Pork w/ Rice and BBQ Sauce | |
| 2. | Corned Beef Hash | |
| *********** | Chicken Stew | |
| 4. | Omelet with Ham | 1777777777 T |
| 5. | Spagnettl with Meat Sauce | |
| 6. | Chicken a la King | |
| 000000000000000000000000000000000000000 | Beef Stew | |
| 8. 9. | Ham Slice Meatballs with Rice and Sauce | |
| 7. 10. | Tuna with Noodles | 11 X X X X X X X X X X X X X X X X X X |
| | Chicken and Rice | |
| 12. | Escalloped Potatoes with Ham | |
| | | 0000000 |
| 13. | Crackers | |
| 14. | Potato au Gratin | |
| 47 | Cheese Spread | 100000000 |
| 15. 16. | Cheese Spread Jelly | (17777777 |
| 17. | Peanut Butter | |
| | | /00000000 |
| 18. | Applesauce | |
| 19. | Fruit Mix | |
| 20. | Peaches C | |
| 21. 22. | Pears Strawberries | \mathbb{R}^{1} |
| e e e | Strawberries | |
| 23. | Brownie | |
| 24. | Cherry Nut Cake | |
| 25. | Chocolate Covered Cookie | |
| 26. | Maple Nut Cake | |
| 2 <i>/</i> . | | |
| 28. | Chocolate Nut Cake | |
| | | |
| | | |

| (Continued) | O |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| NEVER DISLIKE DISLIKE DISLIKE TRIED EXTREMELY VERY MODERATELY SLIGHTLY MUCH 0 1 2 3 4 | NEITHER LIKE LIKE LIKE LIKE LIKE LIKE LIKE LIKE |
| MRE ITEMS | 0 1 2 3 4 5 6 7 8 9 |
| 29. Grape Beverage 30. Orange Beverage 31. Lemon-Lime Beverage 32. Cherry Beverage 33. Cocoa 34. Coffee | |
| 35. Tootsie Roll 36. Charms 37. M & M's 38. Caramel 39. Gum 40. Hot Sauce 41. Cream Substitute 42. Sugar 43. Salt | |
| 44. Additional Items 45 46 | 888888888 |
| 10. Do you think any food or beverages should be D YES If YES, please list the item(s). | NO |
| 11. Do you think any food or beverages should be DF YES If YES, please list the item(s). | NO |
| | |

Page 6

| | | 0 | YES | 0 | NO | | | | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| f YES, p | lease list the | item(s). | | | | | | | |
| Do you | think any fo | ood or bev | erages shoul | d be AD | DED to the l | MRE? | | | terrenia en esta de la companya de l |
| | YES, please list the item(s). Do you think any food or beverages should be ADDED to the MRE? YES NO If YES, please list the item(s). If you could have your choice, pick which ration (MRE or T-Ration) you would like to have for bre lunch, and dinner. Fill in one bubble for each meal. MRE T-RATION a. Breakfast b. Lunch c. Dinner MRE T-RATION a. Breakfast b. Lunch c. Dinner Dislike Dislike Dislike Dislike Neither Like Like Like Like Like Like Like Like | | | | | | | | |
| If YES, | please list th | e item(s). | | | | | | | |
| | | Fill in one | bubble for e | each meal | | ition) you | would like t | o have fo | or breakfast |
| | | b | Lunch | 8 | 8 | | | ald like to have for breakfa the MRE and T-Rations. Like Like Like derately Very Extreme Much 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 6 7 8 9 | |
| For the | following qu | uestions, u | ise the scale | below to | indicate you | r opinion | of the MRE | and T-Ra | ations. |
| Never Tried 0 | Extremely | Very Much | Moderately | Slightly | Like Nor Dislike | Slightly | Moderately | Very Much | Extremely |
| How | , much did v | ou like or | dislike the A | PPEARA | ANCE? | | | | |
| | , | | T- Ration | 0 | 388 | 388 | 6 7 888 | 88 |)) |
| Hov | v much did y | ou like or | dislike the V | /ARIETY | OF FOOD | S? | | | |
| | | | everages should be ADDED to the MRE? YES NO NO Dec., pick which ration (MRE or T-Ration) you would like to have for breakfine bubble for each meal. MRE T-RATION a. Breakfast b. Lunch c. Dinner MRE T-RATION Just the scale below to indicate your opinion of the MRE and T-Rations. The Dislike Dislike Neither Like Like Very Much Moderately Slightly Like Nor Slightly Moderately Very Much Moderately Slightly Like Nor Slightly Moderately Very Much The Ration Dislike Nor Slightly Moderately Slightly Slightly Moderately Slightly Slightly Moderately Slightly Slightly Moderately Slightly Moderately Slightly Slightly Moderately Slightly Slightly Moderately Slightly Slightly Moderately Slightly Moderately Slightly Slightly Slightly Slightly Moderately Slightly Slightly Slightly Slightly Moderately Slightly Sl |) | | | | | |
| ov | ERALL, hov | w much di | d you LIKE | the two r | ations? | | | | |
| | | | | 8 | 1 2 3 8 8 | 388 | 88 | . |)) |
| | | | | | Dog 7 | | | ALSA | |

•

| 16. Please use the follo | owing scale to rate the PC | ORTION SIZE | ES of the following T-RA | TION items? |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------|-------------------------------------------|------------------------|
| MUCH TOO SMALL 1 | SOMEWHAT TOO SMALL 2 | JUST RIGHT 3 | SOMEWHAT TOO LARGE 4 | MUCH TOO LARGE 5 |
| | Entrees (main dish) Starches (potato, macs Vegetables Fruits Desserts Beverages | | | |
| MUCH TOO | owing scale to rate the Post SOMEWHAT TOO | JUST | ES of the following MRE SOMEWHAT TOO | MUCH TOO |
| SMALL 1 | SMALL 2 | RIGHT 3 | LARGE 4 | LARGE 5 |
| | Entrees (main dish) Starches (potatos, cra Vegetables Fruits Desserts Beverages | ckers) | | |
| 18. During this exercise | se, what was the average | TEMPERAT | URE of the main dish of | the T-Ration: |
| WHEN IT | WAS SERVED? | | WHEN YOU ATE IT? | • |
| | a. Coldb. Coolc. Neutrald. Warme. Hot | | a. Cold b. Cool c. Neutral d. Warm e. Hot | |
| 19. On the average, he | ow much time were you a | allowed to eat | a meal? (please specify) | minutes |
| 20. How much time w | ould you LIKE to have t | o eat a meal? | (please specify) | minutes |
| 21. When you ate the | following meals did you | usually: (fill | •• • | |
| a. Relax and enjo b. Work c. Move while eat d. Have to eat qui e. Other (specify | ing ckly | | | NCH DINNER |
| | DO NOT 19. 6 WRITE IN THIS BOX | | 20. | |

Page 8

| 22. How often have you had the T-Rati | on before this exercise? | | 0 = |
|------------------------------------------|----------------------------------------|-----------------------|--------|
| | | | - |
| 23. Did you eat any food during this exc | ercise other than the rations provided | d? YES | NO |
| If YES, please list the foods, | how much you ate of each, and how | w often you ate them. | |
| FOOD | HOW MUCH | HOW MANY TIMES | |
| | | | |
| | | | - - |
| | | | |
| | | | |
| | | | |
| 24. What do you like the most about th | e T-Ration? | | |
| | | | _ |
| | | | - |
| | | | - |
| 25. What do you like the least about th | e T-Ration? | | = |
| | | | |
| | | | _ |
| | | | • |
| | | | • |
| 26. Do you have any other comments a | about the MRE or T-Ration? | | |
| | · | | |
| | | | - |
| | | | = |
| | Page 9C | 8371 | |

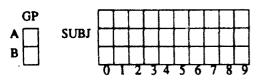
APPENDIX K. Test Group Final Questionnaire

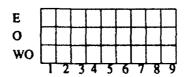
Appendix K

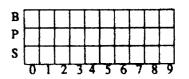
TRAY RATION FINAL QUESTIONNAIRE

Thank you for participating in our T-Ration evaluation. We would like to ask you your overall opinion of the T-Ration. Your opinions will be very important in determining any changes that will be made in the ration. Your answers will be kept confidential. Please answer honestly and thoughtfully.

| 1. | Your name: | | | | | | |
|----|-----------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|-----------------------------------|-------------------------------------------------------------------|------------------|
| 2. | Your Social Sec | curity Number (| Last four digit | s only): | | | |
| 3. | Your rank: E | | W | o | - | | |
| 4. | Your Company | • | Plat | oon: | | - | |
| 5. | Do you think yo | ou gained or los | t weight durin | g this exercise | ? | | |
| | ◯ G | ained (| Lost | ○ No | either gained no | or lost weight | |
| | • | u GAINED wei | = | - | ou think you L at were some of | _ | |
| | b. Drai | too much food nk too much wa little physical a er (specify) | ctivity | 2 | C. Too mud | little food so little water/b ch physical acti- specify) | vity |
| 6. | How easy/diffi | icult was it to ol | otain water? F | ill in the circle | under your ans | swer. | |
| | • | Moderately Difficult | | Neither Easy Nor Difficult 4 | Somewhat Easy 5 | Moderately Easy 6 | Extremely Easy 7 |
| 7. | How did you o | obtain water? F | ill in the circle | next to all ans | wers that apply | . | |
| | | a. From a streeb. From a lakec. 5 gallon card. Water Buffe. Other (plea | e or pond ns alo | | | | |
| | | | DO NOT WR | ITE BELOW | THIS LINE | | |







| Using the scale below, please fill in the circle below the number that best describes your opinion of each item. If you never tried an item, fill in the circle under "0". NEVER DISLIKE DISLIKE DISLIKE DISLIKE LIKE LIKE LIKE LIKE LIKE LIKE LIKE | 8. We would like your honest evaluation of the T-Ra | | | | | O |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| DISLIKE DISLIKE DISLIKE DISLIKE DISLIKE NEITHER LIKE LIKE LIKE LIKE LIKE LIKE LIKE LIKE | | | | best describes | your opinion | l |
| TRIED EXTREMELY VERY MODERATELY SLIGHTLY LIKE NOR SLIGHTLY MODERATELY VERY EXTREMELY MUCH 1 2 3 4 5 6 7 8 9 T RATION BREAKFAST ITEMS 0 1 2 3 4 5 6 7 8 9 1. Western Omelet 2. Oncelet with Saussage and Potatocs 3. Bread Pudding 4. Omelet with Bacon Pieces 5. Creamed Ground Beef 6. Pork Patilies 7. Creamed Chipped Beef 8. Omelet with Bacon and Cheese 9. Eggs and Ham 10. Potatocs with Bacon Pieces 11. Ham Slices 12. Pork Saussage Links 13. Corned Beef Hash 14. Wheat Bread 15. White Bread 16. Biscuits 17. Apple Coffee Cake 18. Bueberry Cake 19. Cinnamon Crumb Cake 20. Peaches in Syrup 21. Fruit Cocktail 22. Pears in Syrup 22. Fruit Cocktail 22. Pears in Syrup 23. Maple Syrup 24. Hot Sauce 25. Crange Juice 27. White Milk 28. Chocolaik Milk 29. Coffee 30. Cocos 31. Peaches and Cream Oatmeal 33. Ginnamon sind Spice Oatmeal 34. Strawberry Oatmeal 35. Maple and Brown Sugar Oatmeal 36. Biscon and Spice Oatmeal 37. Clinamon of Spice Oatmeal 38. Maple and Brown Sugar Oatmeal 39. Strawberry Oatmeal 31. Maple and Brown Sugar Oatmeal 31. Maple and Brown Sugar Oatmeal 33. Sinaple and Brown Sugar Oatmeal | of each item. If you never tried an item, fill in th | e circle | under "0". | | | |
| TRIED EXTREMELY VERY MODERATELY SLIGHTLY LIKE NOR SLIGHTLY MODERATELY VERY EXTREMELY MUCH 1 2 3 4 5 6 7 8 9 T RATION BREAKFAST ITEMS 0 1 2 3 4 5 6 7 8 9 1. Western Omelet 2. Oncelet with Saussage and Potatocs 3. Bread Pudding 4. Omelet with Bacon Pieces 5. Creamed Ground Beef 6. Pork Patilies 7. Creamed Chipped Beef 8. Omelet with Bacon and Cheese 9. Eggs and Ham 10. Potatocs with Bacon Pieces 11. Ham Slices 12. Pork Saussage Links 13. Corned Beef Hash 14. Wheat Bread 15. White Bread 16. Biscuits 17. Apple Coffee Cake 18. Bueberry Cake 19. Cinnamon Crumb Cake 20. Peaches in Syrup 21. Fruit Cocktail 22. Pears in Syrup 22. Fruit Cocktail 22. Pears in Syrup 23. Maple Syrup 24. Hot Sauce 25. Crange Juice 27. White Milk 28. Chocolaik Milk 29. Coffee 30. Cocos 31. Peaches and Cream Oatmeal 33. Ginnamon sind Spice Oatmeal 34. Strawberry Oatmeal 35. Maple and Brown Sugar Oatmeal 36. Biscon and Spice Oatmeal 37. Clinamon of Spice Oatmeal 38. Maple and Brown Sugar Oatmeal 39. Strawberry Oatmeal 31. Maple and Brown Sugar Oatmeal 31. Maple and Brown Sugar Oatmeal 33. Sinaple and Brown Sugar Oatmeal | 1 | | | | | |
| NUCH 2 3 4 5 6 7 8 9 | | | | | | |
| 1 | | | | LY MODERAT | | XTREMELY |
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| 40. Banana | > 1> | 4 H | $\prec \prec \prec \prec$ | \mathbb{Z} | \prec |
| 41. Prosted Krispies | \ \ \ | | | | |
| 42. Sugar Smacks | SIC | 300 C | ひひと | 500 | 5 |
| 43. Fruit Loops | QIQ | QQ | QQQ | | \mathbf{Q} |
| 44. Frosted Flakes 45. Corn Pops | \mathcal{A} | 222 | $\mathcal{A}\mathcal{A}\mathcal{A}$ | \mathcal{L} | \mathbf{R} |
| Additional Breakfast Items | } { } | ************************************* | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | } | |
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| 1. Lasagna 2. Beef Pot Roast | $\mathcal{S}_{\mathcal{A}}$ | 222 | AAA | 222 | \mathbf{R} |
| 3. Hamburger | 515 | 300 | ひひと | ひと | \preceq |
| 4. Turkey Slices | Q | 300° | SOS | 000 | \supset |
| 5. Chicken Breast Patties | \mathcal{L} | QQ | QQQ | QQ | \mathbf{Q}^{-} |
| 6. BBQ Pork Ribs 7. Chicken Chow Mein | \mathcal{A} | 4 H $^{\prime}$ | HH | $(\mathcal{H}_{\mathcal{H}})$ | $\boldsymbol{\prec}$ |
| 8. Chicken Cacciatore | \mathcal{C} | $3 \times 10^{\circ}$ | $\prec \prec \prec \prec$ | \mathcal{C} | \preceq |
| 9. Chicken Breast with Gravy | 210 | 300 C | ひひと | 5 | 8 |
| 10. Barbecue Pork | Q | QQ | QQQ | QQ | Q |
| 11. Beef Strips with Peppers 12. Chili Con Carne | RIS | 222 | $\mathcal{A}\mathcal{A}\mathcal{A}$ | $\langle \mathcal{C} \mathcal{C} \rangle$ | $\boldsymbol{\bowtie}$ |
| 13. Beef Tips with Gravy | > | $A \times X \times X$ | HHH | $\langle \mathbf{H} \mathbf{H} \rangle$ | $\boldsymbol{\prec}$ |
| 14. Green Beans | ठाठ | 300 | 500 | 000 | |
| 15. White Rice | QIÇ | | QQC | QQ | \supset |
| 16. Potatoes with Butter Sauce 17. Beans with Bacon Sauce | Ω | QQQ | QQQ | QQ | \mathbf{Q} |
| 17. Deans with Ducton Stude 18. Mixed Vegetables | \mathcal{A} | 4 H | HHH | \mathbb{Z} | \bowtie |
| 19. Corn | \bowtie | 4×10^{-1} | HHH | | $\boldsymbol{\prec}$ |
| 20. Oriental Rice | 212 | 300 C | ひひひ | ひひ | 8 |
| 21. Glazed Sweet Potatoes | QIC | QQC | QQC | | Q |
| 22. Macaroni and Cheese | 212 | 222 | QQQ | QQ | \mathbf{Q} |
| 23. Peas with Carrots | $\frac{C}{C}$ | <u> </u> | <u> </u> | | |

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| 24. Wheat Br | | | | \aleph | 7 | $\langle \mathcal{Q} \rangle$ | Q ^o | 25 | \mathbb{R} | \mathcal{P} | XX | } : |
| 26. Hamburg | er Roll | | | abla | \ | (| \triangleright | $\supset \subset$ | (| $\supset \searrow$ | * | (|
| 28. Blueberry | Dessert | | | abla | > | | Z) | $\preceq \succeq$ | | SE | 3 | |
| 29. Pound Ca 30. Chocolate | Crumb C | A. A. G. | | 8 | 8 | 38 | 8 | 35 | 38 | 38 | 3€ | } } |
| 31. Marble C | | 2 | | 8 | 5 | 38 | 8 | 35 | 38 | 8 | \mathcal{F} | } |
| 33. Marble C 34. Spice Cak | ake | | | X | ζ | χZ | abla g | $\supset \subset$ | \gtrsim | \mathbf{Z} | $2 \sum$ | { |
| 35. Fruit Coc | ktail | | | abla | Z. | | | | | ST | # | |
| 36. Applesaut 37. Grape Be | verage | | | Θ | 2 | /// | 8 | 36 | } | 8 | 允 | } |
| 38. Lemon-Li 39. Orange B | | ge | | 8 | 5 | 38 | 8 | 35 | 38 | 38 | }⊱ | } |
| 40. White Mil | lk - | | | X | 5 | P | $ \mathbf{Z} $ | $\supset \subset$ | P | S S | F | } ; |
| 42. Coffee | | | | X | X | $\langle \mathbf{a} \rangle$ | abla | $\supset \succeq$ | $\langle \triangleright$ | $\langle z \rangle$ | $\not \subset$ | \ |
| 43. Cherry Bo | e Beverage | | | abla | \ | $\langle \zeta \rangle$ | \mathbf{Z} | $\preceq \subset$ | $\langle c \rangle$ | 以 文 | 红 | } |
| 45. Lemon Bo | | | | Θ | 1 | 38 | 8 | 36 | } | 36 | } | } |
| 47. Jelly 48. Hot Sauce | | | | 8 | 5 | 38 | 8 | \mathfrak{R} | $\frac{2}{2}$ | 38 | \mathcal{F} | } |
| 49. Ketchup 50. Mustard | | | | X | ζ | χZ | abla | $\supset \subset$ | \mathbb{Z} | \mathbf{Z} | \mathcal{Z} | \ |
| 51. Relish | • | | | X | Ž | $\langle \Sigma \rangle$ | abla i | $\not\subset$ | $\langle \Sigma \rangle$ | $\langle \zeta \rangle$ | $2 \subset$ | (|
| 52. Cheese Sp 53. Salad | | | | 8 | 1 | 38 | \mathcal{S} | 36 | // | 3 | 3 | } |
| 54. Thousand 55. Plain Sala | | | | 8 | 3 | 38 | 8 | \mathcal{R} | 38 | 38 | } ⊱ | } |
| 56. French Di 57. Apple | ressing | | | Q | Ç | Q | Q. | $\mathbb{Q}^{\mathcal{L}}$ | \mathcal{X} | QC. | \mathcal{X} | }_ |
| 58. Orange 59. Pear | | | | abla | X | $\langle $ | abla g | $\supset \subset$ | $\langle \mathbf{x} $ | XX | ₹ | \ |
| 60. Banana | | | | \boxtimes | 1 | 35 | \boxtimes | | 公 公 | 35 | 公 | 5 |
| Additional Dir | ner Items | | | \aleph | 7 | 38 | 8 | 35 | <i>\$</i> | 3 | ₹ | 5 |
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| 9. We would like your honest evaluation of the MRE items you ate. Using the scale below, please fill | |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| in the circle below the number that best describes your opinion of each item. If you never tried an item, fill in the circle under "0". | |
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| MRE ITEMS | |
| 0 1 2 3 4 5 6 7 8 9 |) |
| 1. Pork w/ Rice and BBQ Sauce | 3 |
| 3. Chicken Stew | ₹~~ |
| 4. Omelet with Ham | 2 |
| 5. Spaghetti with Meat Sauce 6. Chicken a la King | ₹ |
| 7. Beef Stew | 5 |
| 8. Ham Slice QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ | 2 |
| 9. Meatballs with Rice and Sauce | ⊰ |
| 11. Chicken and Rice | 3 |
| 12. Escalloped Potatoes with Ham |) |
| 13. Crackers | 7 |
| 14 Potato au Gratin O OOOOOO | 5 |
| 15. Cheese Spread | <u> </u> |
| 16. Jelly QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ | 3 |
| 17. Peanut Butter OOOOOC | <u></u> |
| 18. Applesauce |) |
| 19. Fruit Mix 20. Peaches | 2 |
| 21. Pears | 3 |
| 22. Strawberries OOOOOO | 5 |
| 23, Brownie 0 00000000 | 7 |
| 24. Cherry Nut Cake | 2 |
| 25. Chocolate Covered Cookie | ~ |
| 26. Maple Nut Cake 27. Oatmeal Cookie Bar | 3 |
| 28. Chocolate Nut Cake | 5 |
| | |

| (Continued) | | 0 |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------|
| NEVER DISLIKE DISLIKE DISLIKE TRIED EXTREMELY VERY MODERATELY SLIGHTLY MUCH | NEITHER LIKE LIKE LIKE 'LIKE NOR SLIGHTLY MODERATELY VERY EX DISLIKE MUCH | LIKE CTREMELY |
| 0 1 2 3 4 | 5 6 7 8 | 9 |
| MRE ITEMS | 0 1 2 3 4 5 6 7 8 | 9 |
| 29. Grape Beverage | 2 2222222 | Q |
| 30. Orange Beverage 31. Lemon-Lime Beverage | 8188888818 | 8 |
| 32. Cherry Beverage | | 2 |
| 34. Coffee | 222222212 | 8 |
| 35. Tootsie Roll | 0000000 | $\overline{\bigcirc}$ |
| 36. Charms 37. M & M's | 212222222 | 8 |
| 38. Caramel | | X |
| 39. Gum 40. Hot Sauce | 8188888818 | 8 |
| 41. Cream Substitute 42. Sugar | 212222222 | 8 |
| 43. Salt | 222222212 | 8 |
| 44. Additional Items | 2 2222222 | Q |
| 45 | 88888888 | 8 |
| | | |
| 10. Do you think any food or beverages should be DI | PROPPED from the T Ration? | |
| O YES | NO | |
| If YES, please list the item(s). | | |
| | | |
| | | |
| 11. Do you think any food or beverages should be DR | ROPPED from the MRE? | |
| ○ YES ○ | NO | |
| If YES, please list the item(s). | | |
| | | |
| | | |

Page 6

| | 0 | YES | 0 | NO | | | | |
|-------------------------------------|----------------|-----------------------|---------------------|-------------------------------------|------------------|-------------------------|---------------------------------------|------|
| f YES, please lis | the item(s). | | | | | | | |
| | | | | | | | | _ |
| Do you think a | ny food or be | • | ld be AD | | MRE? | | | |
| rasma s v | | YES | \circ | NO | | | | |
| If YES, please li | st the item(s) | • | | | | | | |
| If you could have lunch, and dinner | er. Fill in on | • | • | | ation) you | would like t | o have for brea | kfas |
| | C | . Dinner | Ö | Ö | | | | |
| . For the following | g questions, | use the scale | below to | indicate you | ır opinion | of the MRE | and T-Rations. | |
| Never Tried Dislike Extreme | | Dislike Moderately | Dislike Slightly | Neither Like Nor Dislike 5 | Like Slightly | Like Moderately 7 | Like Lik Very Extre Much 8 9 | mel |
| How much d | id you like o | r dislike the A | APPEAR A | ANCE? | | | | |
| | · | T- Ration MRE | 818 | 1 2 3 | 388 | 88 | \$ 8 | |
| How much o | id you like o | r dislike the \ | ARIETY | OF FOOD | s? | | | |
| | | T- Ration MRE | 8 8 | 388 | 388 | \$ 67 88 | . | |
| OVERALL | how much d | id you LIKE | the two ra | ations? | | | | |
| v | | T Ration MRE | 8 | 388 | 388 | 388 | . | |
| | | | | Page 7 | | | 6454 🚃 | |

3

,

| | | | | - |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------|----------------------------------------------|--------------|
| | DO NOT 19. 6 WRITE IN THIS BOX | | 6 7 8 9 20. 6 1 3 | |
| d. Have to eat quice. Other (specify) | ckly | | 3 8 | 3 8 |
| a. Relax and enjoy b. Work c. Move while eath | | | 8 8 | } |
| A decision is a commence of the decision of th | following meals did you | usually: (fill i | n all that apply) BREAKFAST LUN | ICH DINNER |
| | · | | | minutes |
| | ould you LIKE to have t | | | minutes |
| 19. On the average, ho | | illowed to eat | a meal? (please specify) | minutes |
| 8 | d. Warm e. Hot | | d. Warm e. Hot | |
| \bowtie | c. Neutral | | c. Neutral | |
| 2 | a. Cold b. Cool | | a. Cold b. Cool | |
| WHEN IT | WAS SERVED? | | WHEN YOU ATE IT? | |
| 18. During this exercis | e, what was the average | TEMPERAT | URE of the main dish of | he T-Ration: |
| | Desserts Beverages | | 88888 | |
| | Fruits | | ZZZZZ | |
| : | Starches (potatos, cra Vegetables | ckers) | ZZZZZ | ĝ. |
| | Entrees (main dish) | | 0 0 0 0 0 0 0 | |
| SMALL 1 | SMALL 2 | RIGHT 3 | LARGE 4 | LARGE 5 |
| MUCH TOO | SOMEWHAT TOO | TUST | SOMEWHAT TOO | MUCH TOO |
| 17. Please use the follow | owing scale to rate the Po | ORTION SIZ | ES of the following MRE | items? |
| A A A A A A A A A A A A A A A A A A A | Beverages | | 8000000000000000000000000000000000000 | |
| | Fruits Desserts | | ZZZZZ | |
| 8 | Starches (potato, maca Vegetables | ironi, rice) | 88888 | |
| | Entrees (main dish) | | | |
| SMALL 1 | SMALL 2 | 3 | LARGE 4 | LARGE 5 |
| MUCH TOO | SOMEWHAT TOO | JUST | SOMEWHAT TOO | MUCH TOO |
| MUCH TOO SMALL 1 | SMALL | RIGHT | LARGE | LARGE |

| 8 | a. Neverb. Oncec. Several | times | | | | |
|-----------------------------------------------------------|---------------------------------------------------------------|---------------|---------------------------------------|---------------|----------------------------|----------------|
| Ö | d. Many ti | mes | | | | |
| | _ | | | | | |
| ach of the following items the hether you liked them bett | | | | | . Please indica | te |
| | ВЕТ | TER | WOR | SE | SAME | |
| | THAN I | EXPECTED | THAN EX | PECTED | AS EXPEC | TED |
| Pork Patties Creamed Chipped Beef | · · · · · · · · · · · · · · · · · · · | \dashv | \sim |) | \mathcal{Q} | Comment of the |
| Hamburgers | · · · · · · · · · · · · · · · · · · · | \dashv | ~ > |)) | ~ と ` | |
| Turkey Slices | 7 | ゴ | 7 | Ś | <i>、</i> 'ひ' | X27. |
| Chicken Breast Patties BBQ Pork Riba | | \dashv | \sim ς |) | $\mathcal{A}_{\mathbf{x}}$ | |
| Chicken Chow Mein | > | ろ しゅ | ~ ~ |) | \mathcal{H} | |
| Oriental Rice | ζ |) | \subset |) | Q | |
| Biscuits Chocolate Crumb Cake | | \dashv | · · · · · · · · · · · · · · · · · · · |) Y | ~ 8 | |
| Marble Crumb Cake | > | \preceq | ک | | 8 | |
| Cinnamon Crumb Cake | • (| \supset | C |) | O | |
| | | | | | | |
| | this exercise | other than th | e rations prov | ided? | YES (| л С |
| d you eat any food during | | | of each and | how often vo | ou ate them | |
| If YES, please list the | foods, how | much you ate | or cacii, and | | ou ate diem. | |
| | foods, how | much you ate | | | MANY TIMES | ; |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |
| If YES, please list the | foods, how | | | | | |

25. What do you like the most about the T-Ration?

26. What do you like the least about the T-Ration?

27. Do you have any other comments about the MRE or T-Ration?

APPENDIX L. Flameless Ration Heater Questionnaire

Appendix L

U.S. ARMY NATICK RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER is currently conducting an evaluation of the Flameless Ration Heater (FRH). This questionnaire asks you to evaluate how useful the FRH is for heating the Meal, Ready-to-Eat (MRE). Your answers will help developers provide you with a better field feeding system. Please answer honestly and thoughtfully. To make your answers confidential, we have not asked for your name or social security number. Thank you.

| years |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| is your rank? E O WO |
| ong have you been in the Armed Services?yearsmonths |
| is your MOS/RATING? |
| se describe the type(s) of field situation(s) in which you used the eless Ration Heater. Include location, your job, tasks, etc. example, Ft. Carson, Tank Commander/M60A3, Offensive Maneuvers) |
| |
| what period of time did you use the FRH to heat your MREs? ase specify dates as accurately as possible). Between and |
| Between and |
| ase specify dates as accurately as possible). |
| Between and |
| Setween and Did you use the Flameless Ration Heater (FRH) to heat your MRE entree? |
| see specify dates as accurately as possible). Setween and Did you use the Flameless Ration Heater (FRH) to heat your MRE entree? YES NO |
| Setween and Did you use the Flameless Ration Heater (FRH) to heat your MRE entree? YES NO If NO, please turn in your questionnaire now. |
| Setween and Did you use the Flameless Ration Heater (FRH) to heat your MRE entree? YES NO If NO, please turn in your questionnaire now. In what types of climates did you use the FRH? Circle ALL that apply. |
| 1 |

| | In what tem answer only | | (^O Fahr enh eit | c) did yo | ni usual | ly use th | ne FRH? Ci | rcle |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------|--------------------|------------------------|-------------------------|---------------------|
| a. | Extremely H | iot (above 9 | 95 ⁰ F) | e. | Cold (3 | 2 ⁰ F to 59 | OF) | |
| b. | Very Hot (8 | 35 ⁰ F to 95 ⁰ 1 | F) | f. | Very Co | ld (o ^o f t | ∞ 31 ^O F) | |
| c. | Hot (75°F t | to 84 ^O F) | | g. | Extreme | ly Cold | (below 0°F) | |
| d. | Moderate (6 | 50 ⁰ F to 74 ⁰ I | F) | h. | The wear | ther was | very | |
| | | | | | inconsi | stent in | temperatur | re |
| 4. | Approximate | ely how many | y times have | s you use | ed FRHs | to heat 1 | RE entrees | :? |
| | | | *************************************** | ti | mes | | | |
| | If you used | d it less th | oan 10 times | s, what w | as the 1 | biggest 1 | reason why? | • |
|] | For question | ns 5 through | o 9, circle | one resp | onse fr | om the so | zale below. | -distances |
| 5. | After heati | ing with the | FRH, what | was the | tempera | ture of t | the MRE ent | ree? |
| | MID. | COOT | | THER WAR | | | | I town |
| | COLD 1 | CCOL 2 | r | YOR COOL | , | WARI 4 | 1 | HOT 5 |
| 6. to | How does the Management of the | ne MRE entre MRE entree o | cold: | | heated | it with | the FRH, c | compared |
| | THE FRA MAC | ae che mrc. e | encree casu | 3. | | | | |
| | - | erately si Orse 2 | LIGHTLY AF WORSE 3 | SAME 4 | SLIGH BETT 5 | ER E | DERATELY SETTER 6 | MUCH BETTER 7 |
| | Please indi ng the FRH. | | | you felt | | | the MRE e | - |
| | SLOW SI | LOW | SLOW | NOR FAS | | LIGHTLY FAST | MODERATEI FAST | FAST |
| | 1 2 | 2 | 3 | 4 | | 5 | 6 | 7 |
| 8. | How easy or | difficult | is it to us | se the FF | en to he | at the MF | Œ entree? | |
| | | MODERATELY DIFFICULIT 2 | | | ult s | LIGHTLY EASY 5 | MODERATEL EASY 6 | Y VERY EASY 7 |
| 9. | Please rate | the overal | ll acceptabi | lity for | use of | the FRH | in the fie | ld. |
| • | BAD E | | | EVITHER BA FOR GOOD 4 | G | SHITLY M COD 5 | GOOD 6 | VERY GOOD 7 |

| MRE | Were any of the entree? Checi | k ONE for each | item. | | • | rai w is | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------|-----------------------------------------------|---------------------|
| | | | | NOT A PROBLEM | | MODERATE PROBLEM | |
| a. | Adding water | to bag | | | ************ | | |
| b. | Too hot to ha | ndle | | | | **** | |
| c. | FRH not heati | ng wip | | | | | |
| d. | Smell produced | d during heati | ing | | | | |
| e. | Water spilling | g out of plast | cic bag | | | | |
| f. | Residue or fo | am caused by h | neating process | | | | |
| g. | Other (Specify | y: |) | | | - | |
| 11. | Did you get ! | burned while u | sing/handling th | e FRH? | | | |
| | | | yes no | • | | | |
| | | sore for a lit tered | , | e. | | | |
| 12. it | If an FRH we | re packaged wi | ith each MRE, how note one response | v often d | o you thi | nk you wo | uld use |
| 12. it | If an FRH we | re packaged wi | ith each MRE, how | 3. | lo you thi | nk you wo | uld use |
| 12. it | If an FRH we | re packaged wi E entree? Ciu | ith each MRE, how | 2. <i>1</i> | _ | nk you wo ALW 5 | ays |
| it 13. for | If an FRH we to heat the MR NEVER 1 If FRHs were | re packaged wi E entree? Cin ALMOST NEVER 2 not packaged often do you | ith each MRE, how role one response SOMETIMES | e. A t were ma | IMOST IWAYS 4 de availa | ALW 5 ible separa | AYS ately |
| it 13. for | If an FRH were to heat the MR NEVER 1 If FRHs were your use, how ? Circle one | re packaged with E entree? Cin ALMOST NEVER 2 not packaged often do you response. | ith each MRE, how rele one response SOMETIMES 3 with the MRE but | e. A t were ma heat you | IMOST IWAYS 4 de availa | ALW 5 ible separa | AYS ately |
| 13. for | If an FRH were to heat the MR NEVER 1 If FRHs were your use, how ? Circle one : I would never I would use to | re packaged with E entree? Cin ALMOST NEVER 2 not packaged often do you response. | ith each MRE, how rele one response SOMETIMES 3 with the MRE but think you would | t were many heat you | IMOST IWAYS 4 de availa ir MRE ent | ALW 5 able separ aree with | AYS ately the |
| 13. for FRH | If an FRH were to heat the MR NEVER 1 If FRHs were your use, how? Circle one: I would never I would use the eat. | re packaged with E entree? Cin ALMOST NEVER 2 not packaged often do you response. | sometimes Sometimes 3 with the MRE but think you would to heat the MRE et t one out of even | t were many heat you entree. | IMOST IWAYS 4 de availa r MRE ent | ALW 5 able separative with tree with | AYS ately the |
| 13. for FRH | If an FRH were to heat the MR NEVER 1 If FRHs were your use, how? Circle one: I would never I would use the eat. | re packaged with E entree? Cin ALMOST NEVER 2 not packaged often do you response. The FRH to heat the FRH to h | ith each MRE, how rele one response SOMETIMES 3 with the MRE but think you would to heat the MRE e | t were many heat you entree. | IMOST IWAYS 4 de availa r MRE ent | ALW 5 able separative with tree with | AYS ately the |
| 13. for FRH | If an FRH were to heat the MR NEVER 1 If FRHs were your use, how? Circle one: I would never I would use the eat. I would use the of every two) | re packaged with E entree? Cin ALMOST NEVER 2 not packaged often do you response. The FRH to heat the FRH to h | sometimes Sometimes 3 with the MRE but think you would to heat the MRE et t one out of even | t were many heat you mantree. Try three | IMOST IMAYS 4 de availa r MRE ent MRE entre | ALW 5 able separative with tree with | AYS ately the |
| 13. for FRH a. b. | If an FRH we to heat the MR NEVER 1 If FRHs were your use, how? Circle one: I would never I would use the eat. I would use the of every two. I would use the of every two. | re packaged with a contract packaged often do you response. use the FRH to heat the FRH to he | ith each MRE, howercle one response sometimes 3 with the MRE but think you would to heat the MRE at one out of event every other MRI | t were many heat you entree. Try three | IMOST IMAYS 4 de availa r MRE ent MRE entre that I ea | ALW 5 able separative with tree with | AYS ately the |

| 14. Which method of packaging would you prefer? Circle one response only. |
|------------------------------------------------------------------------------------------------------------|
| a. FRH packaged with the MRE b. FRH packaged separately from the MRE |
| Please explain why in the space provided below. |
| |
| 15. For what reasons would you <u>NOT</u> use the FRH to heat the MRE entree? Pleas circle ALL that apply. |
| a. I would almost always use them |
| b. Too complicated |
| c. Doesn't heat well |
| d. Mission does not allow extra time in which to use FRH |
| e. FRH takes too long to heat food |
| f. Wouldn't waste water for heating |
| g. Produces bad smell |
| h. Creates a mess |
| i. Prefer other methods of heating (Specify:) |
| j. Other (Specify:) |
| 16. If you were not able to use the FRH to heat the MRE entree, would you sav |
| it for later or throw it away? Circle one response. |

SAVE IT THROW IT AWAY

U.S. Army Natick RD&E Center STRNC-YEH (R. Guerra) 100 Kansas Street Natick, MA 01760-5020 APPENDIX M. Field Acceptability of T Ration Breakfast Items for Both Groups

Appendix M
Field Acceptibility of T Ration Breakfast Items for Both Groups

| | TEST G | ROUP | CONTROL | GROUP | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------|------------------------|
| MIDMO | MEAN | SID | MEAN | SD | t | đ£ |
| ENTREES Western Omelet Omelet w\ Sausage and Potatoes Bread Pudding Omelet w\ Bacon Pieces Pork Patties Creamed Chipped Beef** Creamed Ground Beef Omelet w\ Bacon and Cheese Potatoes w\ Bacon Pieces Ham Slices Pork Sausage Links | 5.6 6.1 4.1 5.3 5.0 - 5.4 5.8 | 2.1 1.7 2.0 2.3 2.7 - 2.0 1.6 | 6.8 6.5 5.1 7.1 7.2 7.3 6.0 7.2 | 1.3 1.8 2.7 1.2 - 1.3 1.0 - 1.5 1.2 | 3.01 ns ns - - - - - ns | 57 |
| STARCHES Wheat Bread White Bread Biscuits Apple Coffee Cake Blueberry Cake Cinnamon Crumb Cake Potatoes w\Butter Sce. | 7.2 6.7 3.8 6.1 5.7 7.6 | 1.2 1.1 1.7 1.9 2.2 1.2 | 7.1 7.0 5.6 7.5 7.3 | 1.6 1.2 2.4 1.3 | ns ns 3.97 | - - 50 |
| FRUITS Peaches in Syrup Fruit Cocktail Pears in Syrup Apple Pear Banana | 7.1 7.2 - 7.2 7.8 | 1.5 1.4 - 1.2 7.8 | 7.8 8.0 7.2 7.8 7.5 7.6 | 1.6 0.7 2.3 1.4 0.8 1.7 | ns 2.67 - ns ns | - 49 - - - |
| SPREADS Maple Syrup | 5.8 | 2.1 | 6.6 | 1.4 | ns | _ |
| CERFALS Strawberry and Cream Catmeal Apple Cinnamon Catmeal Frosted Krispies Corn Pops | - 7.8 7.9 | - 1.1 1.3 | 7.3 8.0 8.1 8.5 | 1.9 1.0 0.9 0.6 | - ns 2.37 | 35 |
| HEVERAGES Orange Juice Grape Juice White Milk Chocolate Milk Coffee Cocoa | 6.4 7.0 6.7 6.1 7.5 7.6 | 1.6 1.2 1.3 2.5 1.0 | 6.4 7.7 6.9 7.0 8.3 8.1 | 1.7 1.3 1.7 1.9 0.9 | ns 2.19 ns ns 2.48 | 51 - 31 |

^{**}Tray Pack Test Items
Institutional Pouch Test Items

APPENDIX N. Field Acceptability of T Ration Dinner Items for Both Groups

Appendix N
Field Acceptability of T Ration Dinner Items for Both Groups

| | TEST G | ROUP | CONTROL | GROUP | | |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|------------------------------------------------|--------------------------------------|------------------------------------|------------------------------|
| TATOCASA | MEAN | SD | MEAN | SD | t | đf |
| ENTREES Lasagna Beef Pot Roast Hamburger Turkey Slices Chicken Chow Mein Chicken Breast Patties, Boneless BBQ Pork Ribs Chicken Cacciatore | 6.0 5.5 7.1 7.3 6.9 6.6 6.1 | 1.9 2.5 1.5 1.2 1.4 1.7 2.1 | 8.2 7.1 7.3 7.1 - - - 6.4 | 0.9 1.3 1.3 1.4 - 2.5 | 6.21 3.39 ns ns - - | 69 73 - - - - |
| STARCHES White Rice Potatoes w\ Butter Sauce Wheat Bread White Bread Criental Rice Hamburger Roll | 5.5 6.7 7.4 6.6 7.1 6.2 | 2.0 1.9 1.1 1.1 1.4 1.9 | 7.4 6.7 7.5 7.3 | 1.7 1.6 1.3 1.2 | 4.23 ns ns 2.26 | 69 - 73 - |
| VFGFTABLES Green Beans Beans w\ Bacon Sauce Salad Mixed Vegetables Corn Pea and Carrots | 5.7 6.6 6.9 6.8 5.2 | 1.7 1.7 1.1 - 1.2 2.1 | 6.3 7.3 7.2 6.6 | 1.5 1.3 1.2 1.7 | ns ns ns | - |
| FRUITS Fruit Cocktail Apple Crange Pear Banana | 7.2 6.5 7.3 7.2 7.1 | 1.2 2.2 1.7 1.0 2.0 | 7.8 _ 7.7 7.7 | 0.9 - 1.8 1.9 | ns - ns ns | = = = |
| DESSERIS Chocolate Cake Round Cake Marible Crumb Cake Chocolate Crumb Cake | 3.9 7.4 6.9 6.3 | 1.8 1.6 2.0 2.2 | 2.1 5.4 - | 1.6 2.1 - | 4.15 4.62 - | 62 69 - |
| BEVERAGES Orange Beverage White Milk Chocolate Milk Coffee Grape Beverage | 6.3 6.4 7.0 | 1.9 1.9 2.2 | 6.9 6.6 7.3 7.7 7.4 | 1.5 2.0 2.0 1.3 1.5 | rs ns ns | - - - - |
| SPREADS Peanut Butter Jelly Cheese Spread | 7.2 7.3 | 1.4 | 7.7 7.6 7.1 | 1.2 1.4 1.9 | ns ns | <u>-</u> - |
| OTHER Thousand Island Dressing French Dressing | 6.8 | 1.7 | 7.2 7.3 | 1.3 1.3 | - ns | = |

^{*} Tray Pack Test Items

APPENDIX O. Field Acceptability of Meal, Ready-to-Eat Items for Both Groups

Appendix O
Field Acceptance of Meal, Ready-to-Eat Items for Both Groups

| | TEST | GROUP | CONTROL | GROUP | | |
|-------------------------|------|-------|--------------|-------|------|-----|
| numpana | MEAN | SD | MEAN | SD | t | đf |
| ENTREES | | | F 00 | | | |
| Corned Beef Hash | 6.4 | 2.2 | 5.99 | 2.31 | ns | |
| Chicken Stew | 6.4 | 1.7 | 7.61 | 1.51 | 2.45 | 44 |
| Omelet w/Ham | 6.4 | 2.6 | 6.62 | 2.25 | ns | |
| Chicken a la King | 6.6 | 1.6 | 7.08 7.63 | 1.6 | ns | _ |
| Beef Stew | 7.3 | 1.4 | 7.63 | 0.89 | ns | - |
| Meatballs, Rice and Sce | 6.7 | 1.2 | 6.76 | 2.28 | ns | |
| STARCHES | | | | | | |
| Crackers | 6.6 | 1.3 | 7.00 | 1.24 | ns | - |
| Potato au Gratin | - | *** | 7.66 | 1.1 | - | - |
| SPREADS | | | | | | |
| Cheese Spread | 7.0 | 1.3 | 8.11 | 0.82 | 3.36 | 36 |
| Jelly | 7.2 | 1.2 | 7.44 | 1.33 | ns | _ |
| Peanut Butter | 6.5 | 1.3 | 7.44 | 0.8 | 3.28 | 47 |
| | | | • • • • | | | • • |
| FRUITS | | | | | | |
| Peaches | 7.0 | 1.4 | 7.47 | 1.1 | ns | - |
| Pears | 6.9 | 1.5 | 7.07 | 1.2 | ns | - |
| Fruit Mix | 7.5 | 0.9 | 7.3 | 1.1 | ns | - |
| DESSERTS | | | | | | |
| Choc. Covered Cookie | 7.5 | 1.0 | 7.72 | 1.1 | ns | _ |
| Cherry Nut Cake | 7.1 | 1.5 | 7.52 | | ns | - |
| Oatmeal Cookie Bar | 6.9 | 1.9 | 7.41 | 1.5 | ns | - |
| outmeal cookie bul | 0.5 | 1.0 | , | *** | 113 | |
| BEVERAGES | | | | | | |
| Cocoa | 7.9 | 1.2 | 8.23 | 0.6 | ns | _ |
| Grape Beverage | 7.0 | 1.3 | 7.81 | 1.1 | 2.41 | 51 |
| Lemon-Lime Beverage | 7.4 | 1.1 | 7.06 | | ns | _ |
| Orange Beverage | 7.3 | 1.1 | 7.84 | 1.2 | ns | - |
| CANDY | | | | | | |
| M&M's | 7.2 | 2.0 | 7.93 | 2.2 | ns | _ |
| Caramel | 7.8 | 1.2 | 8.71 | 0.6 | 2.61 | 21 |
| Charms | 7.8 | 1.2 | 8.01 | | | 21 |
| | | | | 1 | ns | _ |
| Gum | 7.7 | 1.1 | 7.76 | 1.3 | ns | - |
| OTHER | | | | | | |
| Hot Sauce | 7.7 | 1.1 | 8.28 | 0.7 | ns | - |
| Cream Substitute | 6.9 | 1.2 | 7.71 | 1.2 | ns | _ |
| Sugar | 7.1 | 1.3 | 7.8 | 1 | ns | - |
| Salt | 6.8 | 1.6 | 7.05 | 1.2 | ns | - |

APPENDIX P. Field Acceptability of T Ration and MRE Components

Appendix P
Field Acceptability of Ration Components

| | TEST | GROUP | CONTROL G | ROUP | | |
|--------------------|------|-------|-----------|------|------|----|
| | MEAN | SD | MEAN | SD | t | df |
| T RATION BREAKFAST | | | | | | |
| Entrees | 5.3 | 1.5 | 6.7 | 1.5 | 5.32 | 61 |
| Starches | 5.5 | 1.4 | 7.2 | 1.0 | 5.99 | 67 |
| Desserts | 6.5 | 1.3 | 6.3 | 2.2 | ns | - |
| Beverages | 6.8 | 1.2 | 7.2 | 1.1 | ns | - |
| Fruits | 7.2 | 1.4 | 7.6 | 0.98 | ns | - |
| Cereals | 7.7 | 1.1 | 8.0 | 0.90 | ns | _ |
| Other | 5.8 | 2.1 | 6.0 | 1.4 | ns | - |
| T RATION DINNER | | | | | | |
| Entrees | 6.6 | 1.4 | 7.2 | 0.82 | 2.37 | 62 |
| Starches | 6.6 | 1.1 | 7.2 | 1.1 | 2.47 | 77 |
| Desserts | 6.2 | 1.3 | 4.6 | 1.3 | 5.40 | 76 |
| Vegetables | 6.3 | 1.1 | 6.8 | 0.96 | 2.23 | 75 |
| Beverages | 6.6 | 1.6 | 7.1 | 1.3 | ns | - |
| Spreads | 7.2 | 1.3 | 7.6 | 1.5 | ns | - |
| Fruits | 7.1 | 1.2 | 7.8 | 0.98 | 2.78 | 74 |
| Other | 7.3 | 1.4 | 7.4 | 1.3 | ns | - |
| MEAL, READY-TO-EAT | | | | | | |
| Entrees | 6.6 | 1.2 | 7.1 | 1.0 | ns | - |
| Starches | 6.6 | 1.3 | 7.0 | 1.2 | ns | - |
| Spreads | 6.9 | 1.2 | 7.7 | 0.71 | 3.51 | 59 |
| Fruits | 7.1 | 1.1 | 7.3 | 1.0 | ns | - |
| Desserts | 7.1 | 1.6 | 7.4 | 1.2 | ns | _ |
| Hot Beverages | 7.9 | 1.2 | 8.2 | 0.56 | ns | - |
| Cold Beverages | 7.1 | 1.1 | 7.5 | 1.0 | ns | - |
| Candy | 7.6 | 1.0 | 8.0 | 0.95 | ns | - |
| Other | 7.3 | 1.1 | 7.8 | 0.88 | ns | - |