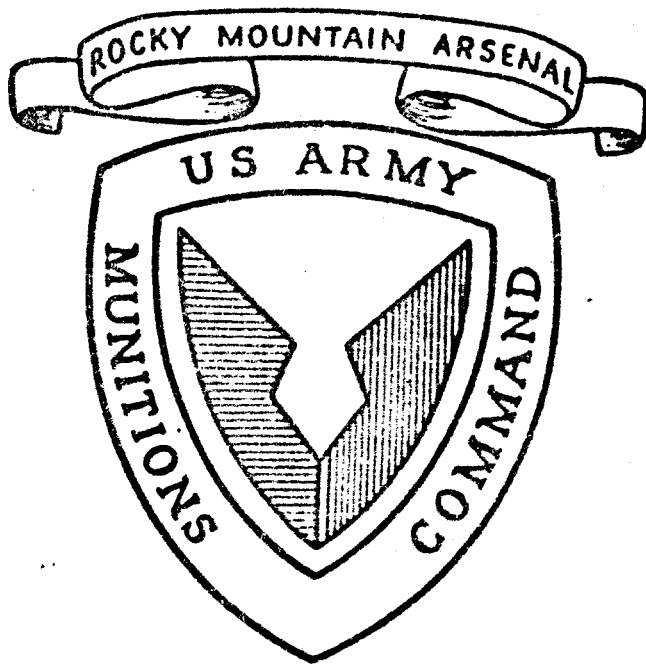


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DEPARTMENT OF THE ARMY



DENVER, COLORADO 80240

REVIEW and ANALYSIS

FOURTH QUARTER & FISCAL YEAR

FY 1970

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July 1971

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DEPARTMENT OF THE ARMY  
HEADQUARTERS ROCKY MOUNTAIN ARSENAL  
Denver, Colorado 80240

SMURM-C

July 1970

SUBJECT: Program Review and Analysis Conference -  
Fourth Quarter FY 1970

See Distribution

The conference was convened at 0800 Hours, 22 July 1970, in Room 115, Building 111, with the following in attendance:

- Commanding Officer
- Deputy Commander
- Deputy Commander for Demilitarization
- Director of Facilities
- Director of Industrial Operations
- Director of Logistical Services
- Staff Members

*V. T. Buehler*  
V. T. BUEHLER  
Comptroller

- DISTRIBUTION:
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  - Deputy Commander for Demil
  - Director of Facilities
  - Director of Industrial Operations
  - Director of Logistical Services
  - Post Inspector
  - Post Judge Advocate
  - Adjutant
  - Chief, Civilian Personnel
  - Chief, Security Office
  - Headquarters Commandant
  - Post Surgeon
  - Comptroller, ATTN: Program Analyst
  - Chief, Management Office
  - Chief, Quality Assurance Office
  - Chief, Safety Office

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Program Review and Analysis - July 1970

Director of Facilities - George F. Donnelly

1. During the last quarter the greatest emphasis, both in Maintenance and Engineering, was the plant set-up for both the Mustard Demil and the Demil of the M34 Clusters. Contract in the M34 Demil area was awarded to W. B. Industries for the modifications to Bldg 1606. Work will begin this week by the contractors; they have until the last of November to complete their portion of the work. The decision was made during this period that the GB will be chemically neutralized. The major remaining problem to be resolved is whether a new sealed industrial waste basin is to be built. There are two projects at higher authority for approval, one for the construction of an 80-acre basin, the other for the construction of a 10-acre basin.
2. In the Mustard Demil area, a great deal of work was accomplished during the quarter. This plant is to be completed during the month of September. The furnace installation will begin in August and should be completed in September. The major problem to be resolved in the Mustard Demil Program is the handling of the residue left in the H containers after unloading. The decision was made that the by-product salt from the incinerator will be stored in the three-sided warehouses until disposition is made of the material.
3. Funds were received for the installation of a chain link fence at the Toxic Yard. The fence has been received and installation will begin this week.
4. One of the PEMA projects for the decontamination and disposal of excess GB manufacturing and filling equipment was received. The PEMA

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project for the removal of buried material in Section 36 was returned. It is hoped that this will be resubmitted this quarter.

5. During the last quarter the Air Force Finance and Accounting Center moved into Bldgs 341 and 342. A request has been received from the Air Force Finance and Accounting office for permission to move into Bldg 362. This request is being forwarded to higher authority for approval.

6. Work continued as fill-in projects on the removal and decontamination of equipment from the mustard manufacturing plant, the clean-up of the mustard demilitarization equipment and the removal of the equipment of the M74 Incendiary Line.

7. During the next quarter the major workload will again be the plant set-up of the Mustard Demilitarization and the M34 Demilitarization Plants.

8. The Engineering Office is at the present time two under authorized strength, and the Maintenance Division is four under strength.

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Program Review and Analysis Conference

Director of Industrial Operations - Mr. Robert K. Hurt

1. THERE HAS BEEN A DECIDED DROP IN THE WORK LOAD AT THE ROCKY MOUNTAIN ARSENAL DURING THE PAST FISCAL YEAR, AND THE PERSONNEL IN THIS DIRECTORATE HAVE BEEN DECREASED TO LESS THAN FIFTY PER CENT OF THE NUMBER ASSIGNED AT THE START OF THE FISCAL YEAR.

2. THERE HAVE BEEN THREE PROJECTS IN WHICH THE ARSENAL HAS BEEN INVOLVED, DURING THE PAST FISCAL YEAR, IN SUPPORT OF THE SOUTHEAST ASIA ACTIVITIES. THESE INCLUDED THE WHITE PHOSPHOROUS FILLED 105MM SHELL AND M34 GRENADE, FOR THE ARMY, AND THE RENOVATION OF THE CMJ/80 MISSILE SHIPPING CONTAINER FOR THE DEPARTMENT OF THE AIR FORCE.

3. OTHER ACTIVITIES, IN WHICH THE INDUSTRIAL OPERATIONS DIRECTORATE WAS INVOLVED DURING THE FISCAL YEAR, INCLUDED THE NAVY'S WETEYE BOMB, THE HONEST JOHN WARHEAD AND THE REDISTILLATION OF GB AGENT. ALL THREE OF THESE PROGRAMS WERE COMPLETED, OR SUSPENDED, PRIOR TO THE START OF THE FOURTH QUARTER.

4. OPERATIONS CONTINUED THROUGH THE YEAR IN HYDRAZINE MISSILE FUEL BLENDING, MUNITIONS DEMILITARIZATION, TON CONTAINER DECONTAMINATION, CLOTHING IMPREGNATION AND SPECIAL PROJECTS ACTIVITIES.

5. THE FOLLOWING IS A BRIEF SUMMARY OF THE PROJECTS THAT HAVE BEEN COMPLETED DURING THE PAST FISCAL YEAR:

CHART 1

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a. M34, WHITE PHOSPHOROUS FILLED, GRENADE PROGRAM

APPROXIMATELY 400,000 M34 GRENADES WERE FILLED WITH WHITE PHOSPHOROUS, AND THE PROGRAM WAS COMPLETED DURING THE SECOND QUARTER, FISCAL YEAR 1970.

b. WETEYE BOMB PROGRAM

THE NAVY WETEYE BOMB PRODUCTION WAS COMPLETED DURING THE SECOND QUARTER, AND THE MUNITIONS ARE NOW IN STORAGE AT ROCKY MOUNTAIN ARSENAL. IF THE BAN ON MOVING THESE TOXIC FILLED MUNITIONS IS REMOVED, THEY WILL BE TRANSFERRED TO SOME OTHER DEPOT FOR STORAGE.

c. HONEST JOHN WARHEAD PROGRAM

(1) THE PRODUCTION OF THE HONEST JOHN WARHEAD WAS SUSPENDED, DURING THE SECOND QUARTER, AND THE COMPLETED ITEMS ARE STORED AT ROCKY MOUNTAIN ARSENAL IN AN IGLOO.

(2) PRODUCTION OF THE M139 BOMBLETS WAS CONTINUED FOR A FEW WEEKS, BUT THE OPERATION OF THIS FILLING LINE WAS, ALSO, SUSPENDED. THESE FILLED BOMBLETS ARE STORED IN BARRELS IN WHICH SELF-SEALING INSPECTION PORTS HAVE BEEN INSTALLED. THESE BARRELS OF BOMBLETS ARE, ALSO, IN STORAGE IN THE TOXIC YARD AT ROCKY MOUNTAIN ARSENAL.

d. REDISTILLATION PROGRAM

(1) A TOTAL OF 500 TONS OF AGENT WAS REDISTILLED, FOR USE IN ARMY AND NAVY MUNITIONS, WITH A RECOVERY OF 376 TONS OR A 72.1 PER CENT YIELD.

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THE REDISTILLATION WAS COMPLETED DURING MARCH 1970, AND THE FACILITY PLACED INTO A STAND-BY CONDITION. THE AGENT NOT UTILIZED IN FILLING MUNITIONS IS PRESENTLY STORED IN UNDERGROUND TANKS IN BUILDING 1506.

(2) A CONTRACT HAS BEEN ISSUED FOR THE RENOVATION OF TON CYLINDERS TO MEET ICC SHIPPING SPECIFICATION. IT IS PLANNED TO TRANSFER THE DISTILLED AGENT INTO THESE TON CONTAINERS FOR LATER SHIPMENT TO OTHER STORAGE DEPOTS. THE BRASS PLUGS AND VALVES ON THESE CYLINDERS WILL BE REPLACED WITH STEEL FITTINGS IN ORDER TO REDUCE THE ABSORPTION OF HEAVY METAL COPPER ION FROM THE PLUGS AND VALVES.

6. THE FOURTH QUARTER, FISCAL YEAR 1970, OPERATIONS ARE DESCRIBED AS FOLLOWS:

a. 105MM, WHITE PHOSPHOROUS FILLED, SHELL PROGRAM

(1) A TOTAL OF 469,232 105MM SHELLS WERE FILLED WITH WHITE PHOSPHOROUS TO COMPLETE THIS PROGRAM DURING APRIL 1970. ALL SHELLS, WHICH WERE AVAILABLE AT ROCKY MOUNTAIN ARSENAL FROM THE 105MM MUSTARD SHELL DEMILITARIZATION PROGRAM, WERE FILLED AND SHIPPED.

(2) THE LINE OPERATED EXCEEDINGLY WELL DURING THE FINAL MONTHS OF OPERATION WITH ONLY A FEW PROBLEMS ENCOUNTERED, SUCH AS PLUGGED WHITE PHOSPHOROUS LINES AND AN OCCASIONAL LOSS OF CONTROL ON THE HEIGHT-OF-FILL.

(3) THE FILLING MACHINE, PAINT AREA AND STORAGE FACILITY WERE CLEANED UP WHEN THE PROGRAM WAS COMPLETED. THE WHITE PHOSPHOROUS REMAINING

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IN THE PLANT SYSTEM WAS TRANSFERRED TO ONE UNDERGROUND TANK FOR STORAGE, AND ALL OTHER STORAGE TANKS WILL BE DRAINED. ONE CAR OF WHITE PHOSPHOROUS, WHICH HAD NOT BEEN UNLOADED, WAS SUBSEQUENTLY SHIPPED TO PINE BLUFF ARSE-  
NAL. ALL REJECT SHELLS WERE DRAINED AND THE CASINGS BURNED AND SENT TO SALVAGE AS SCRAP STEEL. PERSONNEL FROM THIS PRODUCTION AREA WERE TRANS-  
FERRED TO THE CNU-80/E AIR FORCE RENOVATING LINES OR OTHER FACILITIES.

b. CNU-80/E AIR FORCE SHIPPING CONTAINER PROGRAM

(1) THE PROJECT RECEIVED FROM THE DEPARTMENT OF THE AIR FORCE, FOR RENOVATING THE CNU-80/E MISSILE SHIPPING CONTAINER, HAS BEEN THE PRODUCT DIVISION'S MAJOR WORK LOAD DURING THE FOURTH QUARTER. THE FACILITY PREVIOUSLY UTILIZED FOR THE SHRIKE AND SPARROW CONTAINER RENOVATION PROGRAMS IS BEING USED FOR THIS PROJECT.

(2) PRODUCTION WAS STARTED DURING THE THIRD QUARTER, AND AS MAY BE NOTED, A TOTAL OF 7,839 CONTAINERS WAS COMPLETED DURING THE FOURTH QUARTER MAKING A TOTAL OF 8,388 CONTAINERS COMPLETED TO DATE.

(3) THIS ORDER WAS RECEIVED IN A PIECEMEAL MANNER, THAT IS, IN THREE SEPARATE INCREMENTS. THE FIRST QUANTITY WAS FOR ONLY 1,002 CONTAINERS. THIS WAS LATER INCREASED TO 7,898 AND, RECENTLY, WAS INCREASED TO 15,296. THE AIR FORCE FUNDED THESE ORDERS ON THE BASIS OF \$68 PER CONTAINER AND REQUESTED A RENOVATION RATE OF 180 CONTAINERS PER DAY.

CHART 3

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(e) APPLICATION OF A PRIME COAT ON ALL BARE METAL FOLLOWED BY PAINTING OF THE ENTIRE CONTAINER.

(f) REPLACEMENT OF SKIDS, HANDLES OR GROUND WIRES THAT HAVE HAD EXCESSIVE DAMAGE.

(g) RESTENCILLING THE CONTAINER AS SPECIFIED.

(7) A STANDARD, WHICH INCLUDES PRODUCTION, MAINTENANCE AND QUALITY ASSURANCE DIRECT LABOR, WAS ESTABLISHED BY THE MANAGEMENT SERVICES DIVISION AT 3.6 HOURS PER CONTAINER. DURING THE PAST MONTH, THE AVERAGE TIME AMOUNTED TO 2.93 HOURS PER CONTAINER FOR PRODUCTION DIRECT LABOR AND .6 HOURS FOR DIRECT SUPPORT LABOR, THUS, TOTALLING SLIGHTLY UNDER THE STANDARD.

(8) VERY FEW PROBLEMS HAVE BEEN ENCOUNTERED IN THIS PROGRAM, AND SOME OF THESE ARE DISCUSSED AS FOLLOWS:

(a) THE MAIN PROBLEM WAS THE LACK OF SPARE OR REPLACEMENT PARTS. THIS WAS PARTIALLY DUE TO THE LACK OF INFORMATION, AT THE START, CONCERNING THE USAGE FACTORS AND, PARTIALLY, DUE TO THE RECEIPT OF THE ORDERS ON A PIECEMEAL BASIS. SUFFICIENT TIME HAS NOT BEEN AVAILABLE FOR PROCUREMENT OF PARTS. THE ORIGINAL INFORMATION INDICATED A REPLACEMENT FACTOR OF 25 PER CENT ON ALL CUSHIONING PARTS. SO FAR, THE PROGRAM HAS REQUIRED A REPLACEMENT FACTOR OF BETTER THAN 70 PER CENT ON SEVERAL OF THE CUSHIONING PARTS. THERE ARE TWO DIFFERENT TYPES OF CONTAINERS, ONE OF WHICH REQUIRES 100 PER CENT REPLACEMENT OF PARTS, THUS, BRINGING THE OVERALL USAGE FACTOR UP TO THE 70 PER CENT LEVEL.

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(b) AS STATED PREVIOUSLY, FUNDING WAS NOT AVAILABLE FOR INSTALLING AN EFFECTIVE SANDBLASTING FACILITY; THEREFORE, ANY CONTAINER WITH EXCESSIVE RUST CREATED A PROBLEM AND REQUIRED CLEANING WITH AN ELECTRIC BUFFER. THIS REQUIRED TIME OVER AND ABOVE THE STANDARD SET FOR THE FULL OPERATION.

(c) SEVERAL OF THE CONTAINERS STILL CONTAINED LIVE MUNITIONS. THESE ITEMS MUST BE REMOVED FROM THE BUILDING, TECHNICAL ESCORT DETACHMENT MUST BE NOTIFIED AND DISPOSITION INSTRUCTIONS REQUESTED FROM HILL AIR FORCE BASE.

(d) DUE TO THE "REDUCTION-IN-FORCE" UNDER WAY, THERE HAS BEEN A HIGH INCIDENCE OF LEAVE USAGE BY THE EMPLOYEES CAUSING SHORT CREWS AND MAKING IT DIFFICULT TO MEET THE DAILY, SCHEDULED PRODUCTION RATES.

(9) INFORMATION WAS RECEIVED THAT THE TOTAL PRODUCTION WILL BE DECREASED BY APPROXIMATELY 2,000 CONTAINERS FOR RENOVATION. THIS DECREASE IS DUE TO THE COST PER UNIT; AMOUNTING TO APPROXIMATELY \$80.00 PER CONTAINER AS COMPARED WITH THE \$58.00 MADE AVAILABLE BY THE AIR FORCE. THE PRESENT PRODUCTION RATE AND THE LOWERED PRODUCTION QUANTITY WILL EFFECT AN EARLY COMPLETION, AND THIS DATE IS EXPECTED TO BE PRIOR TO THE END OF AUGUST 1970.

c. TON CYLINDER DECONTAMINATION

CHART 4

(1) ALL OF THE TON CYLINDERS EMPTIED DURING THE GB REDISTILLATION PROGRAM HAVE BEEN DECONTAMINATED BY BURNING. TON CYLINDERS CONSIDERED EMPTY, AND THE PREVIOUS CONTENTS UNKNOWN, WERE ALSO PASSED THROUGH THE FURNACE FOR DECONTAMINATION.

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(2) THIS PROGRAM WAS COMPLETED ON 16 APRIL 1970, AND THE CHART SHOWS THE NUMBER OF TON CONTAINERS THAT WERE BURNED AND DECONTAMINATED TO DATE.

c. ANTIPERSONNEL MINE PROGRAM

(1) AUTHORITY WAS RECEIVED TO DESTROY THE 3.5 MILLION XM40 ANTI-PERSONNEL MINES BY BURNING. A CYLINDRICAL, ROTARY, HEAVY-WALLED KILN WAS RECEIVED FROM THE TOOLEE ARMY DEPOT AND INSTALLED IN THE FIELD AT ROCKY MOUNTAIN ARSENAL. TEST OPERATIONS WERE STARTED EARLY IN MARCH TO DETERMINE THE BEST METHOD OF DESTROYING THE MINES.

(2) THE MAJOR PROBLEM WAS CONVEYING THE MINES INTO THE FURNACE WITHOUT CLOGGING UP THE MOUTH OF THE FURNACE. A BUILDUP OF MINES, IN THIS AREA OF THE FURNACE, CAUSES AN EXCESSIVE DETONATION WHICH BLOWS UNBURNED MINES OUTSIDE THE FURNACE, THUS, CREATING A HAZARD. THE PROCEDURE FINALLY USED, WHICH PROVED SUCCESSFUL, WAS THE ADDITION OF TWO GALLONS OF DIESEL OIL TO EACH BARREL OF 6,000 MINES CONTAINED UNDER FREON. THE OIL CAUSED THE MINES TO IGNITE FASTER AND ELIMINATED THE EXCESSIVE BLASTS.

(3) THERE IS A TOTAL OF 550 BARRELS OF MINES TO BE DESTROYED IN THIS PROGRAM; AND AT THE CLOSE OF THE QUARTER, A TOTAL OF 388 BARRELS OF MINES HAD BEEN BURNED. IT IS EXPECTED THAT THIS PROGRAM WILL BE COMPLETED DURING THE MONTH OF JULY 1970. ROCKY MOUNTAIN ARSENAL HAS NOT RECEIVED ANY DISPOSITION INSTRUCTIONS ON THE 4,920 CDU/10 CANISTERS

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LOADED WITH THE XM40 MINES. THESE CANISTERS ARE PRESENTLY LOADED INTO 499 KITS AND MUST BE CONTINUALLY MONITORED TO ASSURE THAT THE FREON LEVEL IN EACH CANISTER IS ADEQUATE.

d. MINOR DEMILITARIZATION OPERATIONS

DEMILITARIZATION OF THE 4,000 M125 BOMBLETS, TO FURNISH TEST SAMPLES FOR THE DESIGN ENGINEERS AT THE TOOLEE ARMY DEPOT, WAS STARTED DURING THE MONTH OF MAY. THIS OPERATION WAS ACCOMPLISHED BY OPERATORS IN FULL PROTECTIVE SUITS, AND THE WORK WAS COMPLETED DURING JUNE. THE BOMBLET CASINGS WERE DECONTAMINATED BY BAKING IN ELECTRIC OVENS.

(2) E139 BOMBLETS

THE E139 BOMBLETS FOR THE LANCE PROGRAM, WHICH HAD BEEN HELD IN A SURVEILLANCE PROGRAM, WERE DEMILITARIZED BY DRILLING, DRAINING AND BAKING THE CASINGS IN THE ELECTRIC OVENS. THERE ARE STILL SOME E139 BOMBLETS UNDER SURVEILLANCE BY THE QUALITY ASSURANCE OFFICE.

(3) DECONTAMINATION OF AGENT VX

(a) APPROXIMATELY 1,800 POUNDS OF AGENT VX, CONTAINED IN TON CYLINDERS AND IN MUNITIONS, WERE DETOXIFIED AND THE CONTAINERS DECONTAMINATED DURING THE MONTHS OF MAY AND JUNE. THE MUNITIONS INCLUDED: FIFTEEN (15) LAND MINES, TWO (2) EIGHT-INCH SHELLS AND A 155MM SHELL. THERE WERE THREE (3) PARTIALLY FILLED TON CYLINDERS AND THREE (3) EMPTY CONTAINERS THAT HAD PREVIOUSLY CONTAINED VX.

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(b) THE CHEMICAL WAS DRAWN FROM THE MUNITIONS AND THE CYLINDERS INTO A DECONTAMINATION TANK INTO WHICH WATER WAS PREVIOUSLY INTRODUCED; AND THE MIXTURE CHLORINATED UNTIL NO MORE CHLORINE WAS TAKEN UP. THE RESULTING SOLUTION WAS NEUTRALIZED WITH 18 PER CENT CAUSTIC PRIOR TO DISCHARGING INTO THE CHEMICAL WASTE SYSTEM. THE EMPTY MUNITION CASINGS AND TON CYLINDERS WERE SOAKED IN CHLORINATED WATER AND THEN DECONTAMINATED IN THE TON CONTAINER DECONTAMINATION FURNACE.

e. CLOTHING TREATMENT PLANT

(1) IMPREGNATION ORDERS FOR THE ARMY AND NAVY WERE COMPLETED PRIOR TO THE PAST QUARTER, AND THE EQUIPMENT WAS CLEANED UP AND PLACED IN STAND-BY. DURING APRIL AND MAY, THE ONLY OPERATION IN THE LAUNDRY CONSISTED OF THE PROCESSING OF CLOTHING FOR THE LOCAL OPERATIONS, AND NO PROBLEMS WERE ENCOUNTERED.

(2) ON 15 JUNE, A SMALL ORDER FOR IMPREGNATION OF CLOTHING FOR THE ARMY WAS RECEIVED, HOWEVER, THIS ORDER WAS SMALL ENOUGH TO BE HANDLED BY THE NORMAL LAUNDRY CREW. THE ORDER WAS COMPLETED IN JUNE, AND THE CLOTHING SHOULD BE PACKED AND SHIPPED EARLY IN JULY 1970.

f. HYDRAZINE MISSILE FUEL PROGRAM

(1) AS MAY BE NOTED, ONLY 262,460 POUNDS OF HYDRAZINE WERE BLENDED TO PRODUCE AEROZENE-FIFTY FUEL DURING JUNE AND THE QUARTER, WITH A TOTAL OF APPROXIMATELY 900,000 POUNDS DURING THE ENTIRE FISCAL YEAR.

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NO PROBLEMS WERE ENCOUNTERED, AND ALL SHIPMENTS WERE MADE ON SCHEDULE TO THE DEPARTMENT OF THE AIR FORCE.

(2) A TOTAL OF 16,575 POUNDS OF "JPX" FUEL WAS PRODUCED BY BLENDING UNSYMETRICAL DIMETHYL HYDRAZINE WITH JP4 MATERIAL. THIS FUEL WAS PLACED IN DRUMS AND SHIPPED, MAKING A TOTAL OF 26,000 POUNDS THAT HAS BEEN BLENDED AND SHIPPED DURING THE PAST FISCAL YEAR.

g. MUSTARD TRANSFER TESTS

(1) IN ORDER TO OBTAIN DATA FOR THE TASK FORCE EAGLE MUSTARD DEMILITARIZATION PROGRAM, SEVERAL TON CYLINDERS OF LEVINSTEIN MUSTARD AND TWO (2) TON CYLINDERS OF DISTILLED MUSTARD WERE BROUGHT INTO THE PLANT TO DETERMINE: HOW MUCH OF THE AGENT CAN BE PULLED OUT OF THE CYLINDERS BY VACUUM, AND HOW MUCH RESIDUE WOULD REMAIN AND REQUIRE BURNING?

(2) THE ORIGINAL CRITERIA FOR THE AMOUNT OF RESIDUE WAS NOT TO BURN ANY TON CYLINDERS IN THE FURNACE UNLESS THE RESIDUE REMAINING AMOUNTED TO NO MORE THAN FIFTY (50) POUNDS. OF THE FIRST FIVE (5) TON CYLINDERS OF MUSTARD RUN, TWO (2) HAD PLUGGED EDUCTOR TUBES AND ONE (1) HAD A DEFECTIVE VALVE.

(3) IT WAS FOUND POSSIBLE TO TRANSFER APPROXIMATELY 1,350 POUNDS, FROM EACH OF THE OTHER TWO (2) CYLINDERS, OUT OF THE 1,800 POUNDS AVAILABLE IN EACH CYLINDER. A RESIDUE OF APPROXIMATELY 450 POUNDS WAS LEFT IN EACH CONTAINER. TWO (2) TON CYLINDERS, CONTAINING DISTILLED MUSTARD,

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WERE TRIED NEXT. THE CONTENTS FLOWED WITHOUT MUCH PROBLEM, AND THE CYLINDERS WERE EMPTY IN APPROXIMATELY FIFTEEN (15) MINUTES EACH.

(4) ONE CONTAINER, WITH APPROXIMATELY 550 POUNDS OF RESIDUE, WAS BURNED FOR FIVE (5) HOURS EFFECTING A WEIGHT LOSS OF 380 POUNDS WITH APPROXIMATELY 170 POUNDS ASH REMAINING.

(5) SEVERAL TON CYLINDERS WERE THEN BROUGHT INTO THE THAW ROOM, AND THE TEMPERATURE CONTROL SET AT 130° FAHRENHEIT. TWELVE (12) OF THESE CYLINDERS WERE TRANSFERRED WITH AN AVERAGE OF 176 POUNDS OF RESIDUE REMAINING. THE TEMPERATURE IN THE THAW ROOM WAS INCREASED TO 170° FAHRENHEIT, AND FIVE (5) CYLINDERS WERE TRANSFERRED WHEN THE TEMPERATURE IN THE CYLINDERS REACHED 145° FAHRENHEIT. THE AVERAGE RESIDUE REMAINING AMOUNTED TO LESS THAN 100 POUNDS. THESE CYLINDERS WERE BURNED; AND TO OBTAIN COMPLETE ASH, THE TIME REQUIRED RANGED FROM FORTY-FIVE (45) MINUTES TO THREE (3) HOURS AND AVERAGED ONE (1) HOUR AND TWENTY-FOUR (24) MINUTES.

h. PHOSGENE TRANSFER PROGRAM

(1) EIGHT (8) TON CYLINDERS, CONTAINING PHOSGENE AND STORED IN THE TOXIC YARD, WERE DISCOVERED TO BE LEAKING. THE PHOSGENE WAS TRANSFERRED FROM THESE CYLINDERS INTO CONTAINERS WITH GOOD VALVES. THIS OPERATION WAS ACCOMPLISHED IN BUILDING 1501.

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(2) TWO PROBLEMS WERE ENCOUNTERED DURING THESE TRANSFERS WHICH MUST BE CORRECTED PRIOR TO ANY FURTHER TRANSFER OR DETOXIFICATION OF PHOSGENE IN BUILDING 1501:

(a) FIRST, THE M10 MASKS, AVAILABLE TO ROCKY MOUNTAIN ARSENAL, HAVE DETERIORATED; AND ALSO, THERE IS A SHORTAGE OF CANISTERS AVAILABLE FOR USE AS REPLACEMENTS. THE SCOTT AIR PACKS WERE ALSO TRIED, BUT ONLY ONE (1) OUT OF THREE (3) FUNCTIONED PROPERLY.

(b) THE SECOND PROBLEM INVOLVED THE LACK OF EFFICIENCY OF THE BUILDING 1503 SCRUBBERS TO REMOVE ALL TRACES OF THE PHOSGENE WHICH WAS BEING VENTED DURING THE TRANSFER. THESE SCRUBBERS ARE DUE FOR REHABILITATION IN THE TASK FORCE EAGLE DEMILITARIZATION PROGRAM, AND IT IS NOT PLANNED TO USE THEM UNTIL THIS WORK HAS BEEN ACCOMPLISHED.

1. SPECIAL PROJECTS PROGRAM

(1) THERE HAVE BEEN NO OPERATIONS IN THE SPECIAL PROJECTS AREA OTHER THAN LAND CONDITIONING AND THE CLEANING AND REPAIRING OF EQUIPMENT. FINAL DISPOSITION INSTRUCTIONS HAVE NOT BEEN RECEIVED ON THE MATERIAL AT THE VARIOUS SITES. THE DECISION ON THE DISPOSITION WILL BE DEPENDENT UPON THE ANALYSIS OF THE MATERIAL LOCATED AT THE VARIOUS SITES.

(2) EQUIPMENT IS BEING MOVED FROM THE AREA AT SITE NUMBER 3 TO SITE NUMBER 1 IN ORDER TO DISCONTINUE THE MANNING AT SITE NUMBER 3 AS SOON AS POSSIBLE.

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Program Review and Analysis - July 1970

(3) A SMALL, MULTIEARTH FURNACE WAS RENTED IN ORDER TO RUN EXPERIMENTS ON BURNING MATERIAL AND TO ESTABLISH THE NECESSARY DATA TO ENABLE THE PROPER DESIGN OF EQUIPMENT FOR ACCOMPLISHING THE WORK REQUIRED. DURING THE FINAL TWENTY-FOUR (24) HOUR TEST RUN, THE ROTARY GRATES MELTED, AND THE FURNACE HAD TO BE DISASSEMBLED. HOWEVER, SUFFICIENT INFORMATION WAS GENERATED DURING THESE EXPERIMENTAL RUNS.

7. OPERATIONS PLANNED FOR THE FIRST QUARTER, FISCAL YEAR 1971, INCLUDE THE FOLLOWING:

- a. COMPLETION OF THE CMU-80/E SHIPPING CONTAINER RENOVATION DURING AUGUST.
- b. BLENDING OF AEROZENE-FIFTY MISSILE FUEL.
- c. DESTRUCTION OF XM40 ANTIPERSONNEL MINES (TO BE COMPLETED DURING JULY 1970).
- d. OPERATION OF THE CLOTHING TREATMENT PLANT AND IMPREGNATION OF CLOTHING FOR THE ARMY AND NAVY.
- e. MINOR DEMILITARIZATION AS REQUIRED.
- f. EXPERIMENTAL WORK WITH MUSTARD-FILLED CONTAINERS FOR TASK FORCE EAGLE.

8. FOLLOWING IS THE MANPOWER POSITION FOR THE DIRECTORATE OF INDUSTRIAL OPERATIONS:

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a. PERSONNEL WITHIN THE PRODUCT DIVISION DROPPED FROM A STRENGTH OF 206, AT THE START OF THE FISCAL YEAR, TO 110 AT THE END OF THE THIRD QUARTER. A FINAL "REDUCTION-IN-FORCE" IN JUNE REDUCED THE PERSONNEL TO THE SCHEDULED AUTHORIZED STRENGTH OF 80 PERSONNEL AS THE FISCAL YEAR ENDED.

b. A PROBLEM WITH THE LACK OF WORK LOAD IS ANTICIPATED IN AUGUST WHEN THE CNU-80/E RENOVATION PROGRAM IS COMPLETED, UNLESS THE IMPREGNATION ORDERS FOR THE CLOTHING TREATMENT PLANT ARE RECEIVED SOON ENOUGH TO ALLOW THE PROCUREMENT OF THE NECESSARY CHEMICALS FOR THE PROCESS.

c. IT IS ANTICIPATED THAT THE MUSTARD DEMILITARIZATION FACILITY WILL BE FAR ENOUGH TOWARDS COMPLETION BY SEPTEMBER TO ALLOW THE INITIATION OF A TRAINING PROGRAM FOR THE PERSONNEL IN THE OPERATION OF THE EQUIPMENT. TO MINIMIZE SPACES WITHIN THE DIRECTORATE, THE PERSONNEL IN THE PRODUCTION CONTROL DIVISION WERE REDUCED TO A SINGLE PERSON, AND THE FUNCTION WAS TRANSFERRED TO THE PRODUCT DIVISION. ALSO, DUE TO THE LACK OF PRODUCTION LINE OPERATIONS, THE ENTIRE QUALITY CONTROL DIVISION WAS ELIMINATED.

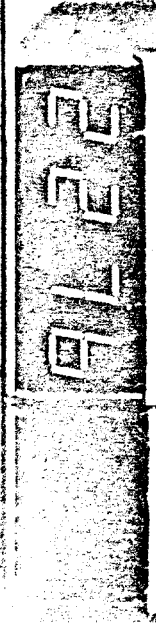
9. IN SUMMARY, IT IS FELT THAT, UNDER THE ADVERSE CONDITIONS CAUSED BY A "REDUCTION-IN-FORCE," THE DECREASING WORK LOAD, AND THE PROBLEMS IN PROCURING ADEQUATE PARTS FOR THE CNU-80/E RENOVATION PROGRAM ON A TIMELY BASIS, THE OPERATIONS IN THE DIRECTORATE HAVE BEEN OF A HIGHLY SATISFACTORY NATURE DURING THE PAST QUARTER.

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Program Review and Analysis - July 1970

Director of Logistical Services - Mr. T. H. McElroy (T. Leverett presenting)

1. Supply Division

a. Activity in the Supply Division during the 4th Quarter was not too rushing. However, we did receive 3484 line items; issued 4679 line items, and shipped 270 line items for a total of 8133 tons handled. The phosgene was rewarehoused and is now all contained within the toxic storage yard. Shipments of the CNU containers continued as fast as they were finished. We evidently swapped the contractor, however, and now are holding to shipments of 750 per week.

b. During the Quarter our excessing program continued but was limited to the dollars the comptroller determined we could stand as a loss. This is confined to the indirect materials. Direct materials which were already charged to a program were excessed with no regard to the dollar value because it did not effect our profit and loss statement. Disposition was made of quite a number of Special Projects items after we received the proper clearances from Hill Air Force Base.

2. Procurement Division

During the 4th Quarter FY 70, a total of 15 formal contracts were awarded. These contracts were awarded either through formal advertising or formal negotiation. Monetarily, they amounted to a total of \$662,541. Total procurement dollars obligated during this Quarter was \$800,673. This represents a total of 898 procurement actions processed for 1,869 line items.

3. Disposal Division

a. As depicted on the chart, generation of excess property during the 4th Quarter amounted to \$2,997,117 which is the value of the 6,216 line items received. Of this figure, \$1,746,353 was ammunition such as 105mm bodies, M55 components, etc. Transfers, donations and sales were at about the average for a quarter except that the figure of \$6,910,509 expended to scrap was higher than usual. This was the result of downgrading the remainder of a Mace Missile training site. There was a large dollar value connected with this but there was no commercial or sales value on the items.

b. During the quarter we retailed approximately 2,700 items for \$3,124. We sold 1414 tons of scrap metal for \$60,398.

c. It is anticipated that the 1st Quarter of FY 71 generation will be quite a bit lower than the 4th Quarter of FY 70 figure.

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Program Review and Analysis - July 1970

4. Transportation Division

a. Motor operations - The volume of work orders dropped slightly during the 4th Quarter of FY 70 even though we had an increase in mileage. We will realize a further decrease in the near future because we received 20 new Ford pickup trucks with automatic transmissions.

b. In the area of rail operations our number of switches for the 4th Quarter was 600 as compared to 808 in the 3rd Quarter. These switches are primarily for tenant activities.

c. Commercial transportation activities remained about the same as in the 3rd Quarter.

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PROGRAM REVIEW AND ANALYSIS - JULY 1970  
Chief, Quality Assurance Office - Mr. K. C. Clifton

1. During this quarter the Quality Assurance Office performed acceptance inspection in the following areas:

- a. M60, 105 WP Projectiles
- b. Hydrazine Blending
- c. CNU/80 Container Refurbishing

2. The quality of the M60, WP projectiles for the total program is shown in the viewgraph.

Oven Leakers	.41%
Height of fill defects	.31%
Zona weight defects	.15%
Other defects	.02%
<b>TOTAL</b>	<b>.89%</b>

3. Depot surveillance has been completed on all stocks, during which, two (2) Honest John warheads were found to have contamination between the warhead and the barrier bag. No contamination has been found outside the barrier bag or in the storage igloo. Surveillance is being conducted 100% each month, and daily checks of the igloo are being conducted by depot personnel, using rabbits. Verbal instructions from Edgewood Arsenal have been given to leave the two contaminated warheads in the igloo. A request for waiver will be processed by the Director of Logistical Services' support, which will authorize the storage of the two unserviceable warheads with the serviceable ones.

4. The air monitoring network is in full operation for mustard decomposition products and work is progressing on the alarm system. Preliminary tests of the transmission lines and signal treatment electronics will be performed as soon as the telephone cables have been installed from Station #6 to the laboratory. This is scheduled for July 1970.

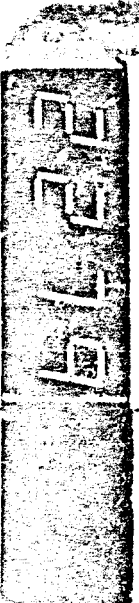
5. As a result of the reduction-in-force, two problem areas have been experienced:

- a. The carloading inspector's position was abolished in the Quality Assurance Office, and the function has been transferred to the Safety Office.

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PROGRAM REVIEW AND ANALYSIS - JULY 1970

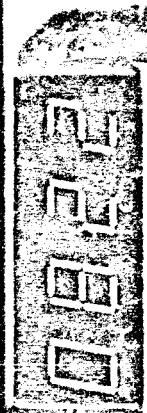
b. Funds and personnel have not been provided for water and sewage analysis. Although air pollution monitoring has been well covered, there have been no provisions made for water pollution monitoring. The Quality Assurance Laboratory is attempting to provide some limited support in this area, but it is considered that Project Eagle should provide funds and personnel spaces to accomplish this work, because it is the demil projects that will be generating liquid wastes as well as those into the air.

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Program Review and Analysis - July 1970

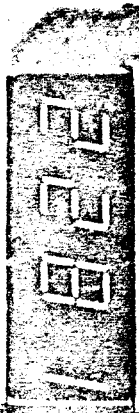
Safety Office - Mr. Henry R. James

1. A comparison of the fourth quarter safety record with that of the third indicates that a favorable trend exists.
2. This improvement in our accident experience is evident when compared to RMA "GEMS" target. Annex C to Edgewood Arsenal Five Year Base Program has a target of a 15% reduction in accidents, injuries and costs in the previous three year average. RMA has met these requirements.
3. RMA accident experience has also exceeded AMC target requirements for FY 70. (Show chart #3).
4. Scheduled safety training was accomplished during the fourth quarter.
5. The following plans for the fourth quarter FY 70 have been accomplished:
  - a. Safety inspection requirements.
  - b. Safety training requirements.
  - c. On-the-job training for Safety Office staff.
  - d. RMA Regulation 385-15, Standing Operating Procedures, has been published.

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Program Review and Analysis - July 1970

Management Office - Mr. George H. Lidke

1. Personnel Utilization:

a. The current authorized strength of the installation is 115 military and 452 civilians. Five of the 452 authorized civilian spaces are temporary positions authorized for the first phase of the Special Project demilitarization.

b. The actual strength as of 30 June 1970 was 87 military and 462 civilians. However, 11 of the civilians were on leave pending disability retirement early in FY 1971. The actual military strength was made up of 16 officers, 1 warrant officer and 70 enlisted. The most pressing problem in the area of military personnel continues to be the shortage of military policemen. Of the 25 authorized spaces for the 522d Military Platoon only 13 enlisted were on board as of 30 June 1970. The average strength of the military police platoon for FY 1970 has been 16. Increased effort should be made by Edgewood Arsenal to hold this unit at its authorized strength in order to assure the security required for the current Arsenal operations.

c. A reduction in force was conducted during the fourth quarter. This reduction was necessitated by the withdrawal of the 105 WP Shell Filling Program.

d. The current authorization of 447 civilians will be adequate to meet planned workload schedules for the first half of FY 1971. However, if both the M34 demilitarization and the Mustard demilitarization programs are operated concurrently during the third quarter, approximately 50 additional personnel will have to be hired. There is also a requirement, presently unfunded, to impregnate 244,000 one-man sets of clothing. The current authorized

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strength does not provide personnel for this operation. Rocky Mountain Arsenal recommends that the Mustard demilitarization program be completed before the M34 demilitarization is commenced. This would allow for adequate experienced personnel for the demilitarization program and also provide personnel for the clothing impregnation order.

e. The expressed policy of Munitions Command and Edgewood Arsenal has been that Rocky Mountain Arsenal would be allowed to fill all vacancies within the authorized strength of 447 and also authorized adequate temporary spaces to meet scheduled requirements. If this policy is changed to freeze hiring, a serious problem of lack of adequate skills will occur which could cause slippage in the demilitarization schedules.

2. Cost Reduction Program:

During the Fourth Quarter FY, Cost Reductions amounting to over \$200,000. were submitted to Edgewood Arsenal for validation. These submissions bring the total cost reductions for Fiscal Year 1970 to \$234,400., or 81% of the established goal of \$289,000. This achievement of cost reductions in spite of a significant reduction in workload and workforce, and during a period of continued changes in the Arsenal's programs, is considered to be an excellent effort on the part of Arsenal managers to control costs. The goal of \$289,000. established at the beginning of the fiscal year was based upon a programmed sales budget of approximately \$18,000,000. whereas this program was reduced by higher headquarters to \$10,000,000.

3. Lessons Learned Program:

One Lessons Learned was submitted during this quarter.

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4. Work Measurement Program:

With the reduction of the workforce directed by higher headquarters, this program has been curtailed to give primary emphasis to establishing standards for direct labor and for maintenance work orders. This policy will continue for FY 1971.

5. Direct Labor Effectiveness:

Direct labor effectiveness for the fourth quarter, as well as the entire fiscal year, has continued to above 90% effectiveness. During May and June increased effectiveness has been realized on the CNU 80 program due to methods changes and the receipt of sufficient parts to assure completion without re-handling.

6. Non-productive Labor:

3,079 hours of non-productive labor was recorded during the quarter. The non-productive labor was kept at a minimum by efficiently reassigning personnel to current projects. However, the lack of sufficient orders necessitated the 3,079 hours until the reduction in force actions were completed. The hours reported were from Quality Control and Product Division where personnel could not be reassigned to current operations.

7. Project "GEMS":

Slippage occurred in two areas - Cost Reduction and Project DIMES (Work Measurement). The cost reduction goals of number of cost reductions and dollar value were not met, (the Arsenal attained 81.1% of goal) because the goals were established based upon a considerably higher planned level

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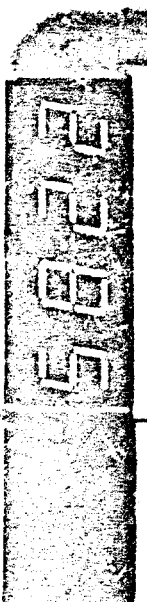
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of operation. The Work Measurement goals of 100% coverage of all indirect labor by standards, either engineered, work sampling, or statistical, cannot be met with the current authorized strength of one work measurement analyst. Rocky Mountain Arsenal can continue to provide direct labor standards for all productive and maintenance work.

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Program Review and Analysis - July 1970

Comptroller - Mr. V. T. Butoff

1. Operating Gain or Loss - Rocky Mountain Arsenal showed a very good financial position as of 30 June 1970. The operating gain was \$2,799, compared with a gain last year of \$2,709.
2. Overtime Costs - A total of \$5,590 was returned for the 4th Quarter--\$9,000 for the entire Fiscal Year--a little better than 10% of the amount authorized by Edgewood Arsenal.
3. TDY Travel - Rocky Mountain Arsenal did better in terms of utilizing travel authorization. Last year was the first attempt at budgeting travel and we utilized only 50% of the amount allocated.
4. Projected Sales - There are four big areas: CNU 80 Repair, Clothing Impregnation (Marines and Army), Task Force Eagle and Disposal Operations.
5. Project GEMS - The overall comparison on GEMS for the Fiscal Year is as follows:

MUCOM	87%
EA	99%
RMA	96%

6. Savings Bonds - By 30 June 1970, Rocky Mountain Arsenal had 90% participation. As a result, we are getting a gold star on the flag which is an award for five consecutive years of over 90% participation.

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ROCKY MOUNTAIN ARSENAL

OPERATING GAIN OR LOSS

FY 1970

REVENUE	\$10,073,742
COSTS	\$10,070,943
OPERATING GAIN	\$ 2,799

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ROCKY MOUNTAIN ARSENAL

OVERTIME COSTS

FY 1970

	<u>4TH QUARTER</u>		<u>FY TOTALS</u>	
	<u>LMT</u>	<u>ACT</u>	<u>LMT</u>	<u>ACT</u>
SEA	\$20,100	\$14,360	\$83,050	\$72,753
NON-SEA	0	0	0	133
NON-DOD (REIMBURSABLE)	0	150		1,086
<b>TOTALS</b>	<b>\$20,100</b>	<b>\$14,510</b>	<b>\$83,050</b>	<b>\$73,972</b>

BALANCE OF \$5,590 AUTHORIZATION WITHDRAWN.

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TDY TRAVEL FY 1970

	<u>ANNUAL BUDGET</u>	<u>ACTUAL 1ST 12 MOS</u>	<u>BALANCE 30 JUNE 70</u>	<u>% UNDER UTILIZED</u>
COMMANDING OFFICER	\$ 2,670.00	\$ 1,851.43	\$ 818.57	30.7
POST INSPECTOR	600.00	497.03	102.97	17.2
JUDGE ADVOCATE	100.00	9.52	90.48	90.5
SAFETY	3,694.68	3,703.04	( 8.36)	-
PERSONNEL	10,966.00	10,300.70	665.30	6.1
COMPTROLLER	1,155.00	1,064.50	90.50	7.8
PROTOCOL	-	-	-	-
MANAGEMENT OFFICE	2,508.25	2,169.67	338.58	13.5
ADJUTANT	110.00	-	110.00	100.0
SURGEON	500.00	5.00	495.00	99.0
SECURITY	2,042.00	1,754.34	287.66	14.1
QUALITY ASSURANCE	3,715.00	3,712.22	2.78	.7
DIR, INDUSTRIAL OPS	3,535.10	3,546.79	( 11.69	-
DIR, FACILITIES	2,484.75	1,797.75	687.00	27.6
DIR, LOGISTICAL SERVICES	12,500.05	4,802.15	7,697.90	61.6
<b>TOTALS</b>	<b>\$46,580.83</b>	<b>\$35,214.14</b>	<b>\$11,366.69</b>	<b>24.4</b>

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ROCKY MOUNTAIN ARSENAL

PROJECTED SALES

1ST QTR FY 1971

	<u>AMOUNT</u>
	(IN THOUSANDS)
1. CNU-80 REPAIR	\$ 400
2. CLOTHING IMPREGNATION	100
3. HYDRAZINE BLENDING	20
4. DEPOT ACTIVITIES (O&MA)	56
5. DEMILITARIZATION (TASK FORCE EAGLE)	110
6. DISPOSAL OPERATIONS	100
7. FAMILY HOUSING	5
8. SUPPORT OF TENANTS AND SATELLITES	40
9. OTHER PRODUCTS AND SERVICES	<u>13</u>
	<u>\$1,844</u>

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SALES

4TH QTR FY 70 (CUMULATIVE)

<u>PROGRAM</u>	<u>PROGRAMMED AMOUNT</u> (IN THOUSANDS)	<u>ACTUAL</u>	<u>VARIANCE</u>
1. M34 GRENADE	450	450	-0-
2. REDISTILLATION	327	327	-0-
3. HYDRAZINE & SPECIAL PROJECTS	228	219	9
4. FILLING NAVY MUNITIONS	238	258	(20)
5. HONEST JOHN WARHEADS	948	970	(22)
6. M4 BURSTER PROGRAM (CANCELLED)	64	64	-0-
7. O&MA AND OTHER ACTIVITIES	995	1,769	(774)
8. DECON TON CONTAINERS	272	265	7
9. 105MM (WP) FILLED SHELLS	1,457	1,998	(541)
10. M34 CLUSTER, MUSTARD & OTHER DEMIL	2,882	2,254	628
11. SBB SURVEILLANCE & DEMIL	150	140	10
12. SUPPORT OF IDLE CAPACITY	1,156	888	268
13. CHU 80 (1378) REPAIR ORDER	-0-	340	(340)
14. RETROACTIVE PAY RAISE	-0-	132	(132)
TOTAL	9,157	10,074	(907)

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COMMAND OBJECTIVES

"PROJECT GEMS"

RESPONSIBLE <u>ELEMENT</u>	OBJECTIVES <u>SCHEDULED</u>			NUMBER <u>SLIPPED</u>			PER CENT <u>ACCOMPLISHED</u>		
	<u>MU</u>	<u>EA</u>	<u>RM</u>	<u>MU</u>	<u>EA</u>	<u>RM</u>	<u>MU</u>	<u>EA</u>	<u>RM</u>
CHIEF ENGINEER	-	1	4	-	-	-	100	100	100
DIR OF FACILITIES	3	4	4	-	-	-	100	100	100
DIR, IND OPERATIONS	5	4	1	-	-	-	100	100	100
DIR, LOGISTICAL SERVICES	10	1	13	1	-	-	90	100	100
QUALITY ASSURANCE	-	-	4	-	-	-	-	-	100
SAFETY OFFICE	2	4	6	-	-	-	100	100	100
COMPTROLLER	-	8	1	-	-	-	-	100	100
MANAGEMENT OFFICE	11	3	4	4	-	2	64	100	50
ADJUTANT	9	2	3	2	.	-	78	100	100
SECURITY OFFICE	1	3	-	-	-	-	100	100	-
PUBLIC INFORMATION OFFICE	-	3	-	-	-	-	-	100	-
POST INSPECTOR	-	1	-	-	-	-	-	100	-
<b>TOTAL</b>	<b>41</b>	<b>34</b>	<b>40</b>	<b>7</b>	<b>-</b>	<b>2</b>	<b>92</b>	<b>100</b>	<b>94</b>

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COMBAND OBJECTIVES

PROJECT "GEMS"

	<u>4TH QTR</u>		
	<u>AMSTU</u>	<u>SMUEA</u>	<u>SMURM</u>
SCHEDULED	48	34	42
COMPLETED	41	34	38
PER CENT ACCOMPLISHED	85	100	90

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Program Review and Analysis - July 1970

Civilian Personnel Office - Mr. Kenneth E. Hickman

1. The following indicates program accomplishments in the Civilian Personnel Program for the fourth quarter, FY 1970:

a. Management Actions:

(1) Strength: Strength continued to decline from 591 at the end of the third quarter to 476 at the end of this quarter. A breakdown of personnel actions completed since 6 March 1970, date of general RIF notice, through 30 June 1970 is as follows:

Nr of employees reassigned or changed to lower grade in lieu of RIF	82
Nr placed in DoD and Other Federal Agencies:	48
Nr separated by retirement	24
Resignation-RIF (for other employment)	18
RIF - Group I & II employees (9 declined offers for continued employment)	13
RIF - Term employees	26
Other Losses	<u>5</u>
TOTAL ACTIONS COMPLETED	216

(2) Position and Pay Management:

(a) One hundred percent review of positions was accomplished by the end of the fiscal year.

(b) Of the 268 positions reviewed by supervisors this quarter 18.7 percent were audited by the Civilian Personnel Office. Because of the low percentage of review for the first three quarters, due to the Position Classification Specialist vacancy, only 12.8 percent were audited this Fiscal Year.

(3) Disciplinary Actions: One disciplinary action was recorded during the reporting period. An employee of the Security Office was suspended for three (3) days for being absent without leave (AWOL).

(4) Awards: A total of 17 formal awards were presented to deserving employees during the quarter. Although no objective is established for total awards, this figure represents 3.0% of the average number of employees

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receiving awards for the fourth quarter. The Department of the Army average for the fourth quarter of last fiscal year was 4.1%. A breakdown of awards is indicated below:

	<u>SSP</u>	<u>QSI</u>	<u>OPR</u>	<u>OTHER</u>
Fourth Quarter	8	1	0	8
Total FY 70	42	15	6	29

Total monetary awards granted for the Fiscal Year total 19 SSP Awards to Wage Grade employees for a rate of 6.6% of the average WC strength and 38 SSP and QSI awards to Class Act employees representing 12.6% of the average Class Act strength for the Fiscal Year. Some improvement in the imbalance of monetary awards between Class Act and Wage Grade employees was noted during the fourth quarter when 5 WC SSP awards for a rate of 2.4% and 4 Class Act monetary awards for a rate of 1.6% based on end of quarter strength were approved. Eight of the 17 formal awards approved during the quarter were Certificates of Achievement.

**b. Employee Reactions:**

(1) Sick Leave: As expected, sick leave usage continued to be high during the quarter because of the major RIF which was effected during this period. Usage increased from 21.2 hours per employee for the third quarter to 24.6 hours for the fourth quarter. This exceeds the DA goal of 15.5 hours by 9.1 hours. The recent legislation permitting credit of unused sick leave in computing retirement annuities was again publicized during the quarter but appears to have had little effect since many of the employees affected by the RIF were not eligible for retirement and could see no advantage in conserving their sick leave. It is hoped that, since the current RIF has been completed, that sick leave usage will decline during the next quarter.

(2) Voluntary losses: Seventeen (17) voluntary losses occurred during the quarter for a rate of 29.8 per 1000 employees. DA objective for the fourth quarter is 17.2 per 1000. This is a direct result of the major RIF effected during the quarter. These employees resigned for other employment which offered better long-range job security.

(3) Suggestion Program:

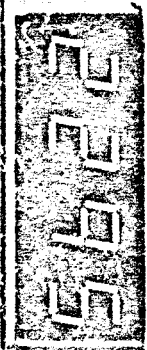
(a) Submissions:

	<u>GOALS</u>		<u>ACTUAL</u>	
	<u>CIV</u>	<u>MIL</u>	<u>CIV</u>	<u>MIL</u>
Fourth Quarter	39	6	40	9
Total FY 70	176	23	185	29

The Department of the Army submission goal for military and civilian suggestions was again exceeded. This is considered especially noteworthy because of the disruptive effect and adverse impact on employee morale experienced

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Program Review and Analysis - July 1970

during the quarter as a result of the major reduction in force. Almost half of the total workforce was affected in some way when approximately 227 RIF notices were issued on 20 April. The annual submission goal of 275 per 1000 employees was exceeded with a performance of 349 per 1000 for military suggestion submissions and 290 per 1000 for civilian suggestion submissions.

(b) Adoptions:

	<u>1st Yr Savings</u>		<u>Adoption Goals</u>		<u>Adoption Actual</u>	
	<u>Goal</u>	<u>Actual</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>
Fourth Qtr	\$ 6500	\$ 9769.87	10	2	10	1
Total FY 70	26,000	63,042.87	45	6	56	5

No Department of the Army objective has been established for tangible savings. The goal reflected above is a local one based upon the adoption goal. The quarterly civilian suggestion adoption goal was met on target. The military adoption goal was not met. The Civilian suggestion adoption performance of 88 per 1000 substantially exceeded the DA annual goal of 70 per 1000. The annual military rate was 60 per 1000. Total annual benefits per \$1.00 awarded amounted to \$23.22, a substantial increase over the previous quarter's \$9.21.

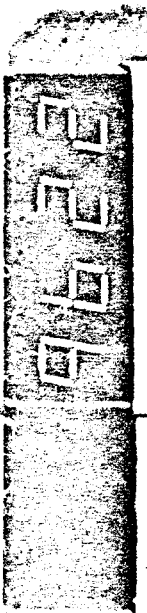
(c) Suggestions on Hand: The majority of suggestions continue to be processed within the 20 work-day time frame as evidenced by the fact that 12.2% civilian suggestions and 6.9% military suggestions remain on hand at the close of the quarter against a DA objective of 20%.

(4) Grievances and Appeals: Three appeals were filed during the quarter as a result of the reduction in force. Two appeals are pending at the Denver Region, U. S. Civil Service Commission, and one is being processed through Department of the Army channels. One appeal filed last November in which this installation was upheld at intermediate command level is now pending at DA.

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Program Review and Analysis - July 1970

Post Surgeon's Office - Dr. Maurice D. Gaon

1. Project "GEMS". No Project "GEMS" slippages.
2. Project "LEACHE" (Long term Effects Anticholinesterase Agents). Additional equipment has been received and is on hand, however, delivery of the new EEG's has been deferred to early September 1970. EEG performance has been discontinued pending completion of new cages and return of authorization of expenditures by Edgewood Arsenal. Money already available was terminated due to the end of the fiscal year, and return of funds already made available is expected momentarily.
3. Status report on Project "LEACHE" to date:

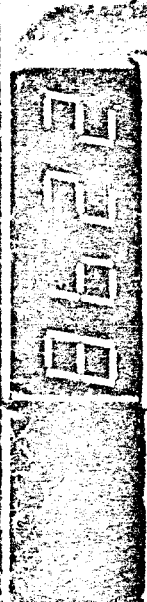
	<u>1 Jan - 26 Jun 70</u>	<u>23 Apr 69- 26 Jun 70</u>
Total number of tests completed	42	226
Total number participating	40	152
Total number day studies completed	30	135
Total number night studies completed	12	85
Total number exposed personnel	29	100
Total number control personnel	12	53
Total number tests completed of exposed personnel	30	148
Total number tests completed of control personnel	12	78

4. One EEG Technician (Trainee) hired 28 Jun 70 is currently on loaned labor to another Department. One Technician is currently at Edgewood Arsenal for advance training.
5. Support continues to be furnished to nearby Ft Carson in conducting Blood CHE's for personnel assigned to operation "RED HAT".
6. The RIF just completed, caused an increased number of partial examinations along with added laboratory tests.
7. Statistics of injuries are presented in attached charts. Workload of emergency medical care has been markedly reduced.

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Fourth Quarter Program Review and Analysis - July 1970  
Adjutant's Office - 2LT John D. Reynolds (CWO P. Goslee presenting)

1. Military Family Housing:

a. Occupancy rates were 100% for both adequate and inadequate housing.

b. A Self-help program was initiated to help allay the costs of maintaining the buildings and to allow more funds for equipment and major maintenance items. The hoped-for expansion in the number of units had to be postponed again because of fund shortages.

2. Mail and Records:

a. Personnel reductions forced a sharp curtailment in mail distribution, and delivery continues to be spasmodic. An entire reorganization of the Adjutants Office, which included the abolition of the Mail and Records and Military Personnel Divisions and the combination of all elements into one administrative unit under the Adjutant, should free enough people to permit the resumption of regular mail service before the end of July.

b. Classified files were decentralized to allow more efficient employment of available personnel. 5 linear feet of classified files were disposed of in the process. This action will permit more time to be devoted to military publications, records management and mail distribution.

3. Military Personnel:

a. During the quarter enlisted strength increased from 53 as of 31 March to 57 as of 30 June, 1970 for the HQ Company with an authorized strength of 70. The Military Police Platoon which is authorized 24 enlisted personnel decreased from 21 as of 31 March to 13 as of 30 June, 1970. There were no significant changes in the attached personnel for the Escort and Disposal Detachment, the US Army Dispensary and for meteorological support.

b. Officer strength during the quarter, increased from 14 to 16 officers assigned. Five losses and no known gains are contemplated for the 1st Qtr. FY 71.

4. Special Services:

All Special Services activities have experienced increased participation during the quarter. Revenues from the swimming pool have exceeded the expected \$2600. and are still coming in. Grants from the Army Central Welfare Fund of \$2500. for salaries and \$600. for maintenance assure solvency through the rest of the season and readiness for the next.

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Program Review and Analysis - July 1970

Security Office - 1LT Terry A. Mc Cann

1. RMA experienced one administrative security violation during FY70, it occurred during the second quarter. We had no security violations in FY69. During FY71 increasing emphasis will be placed upon reducing the number of classified files on hand thereby reducing the exposure to security violation situations. We hope to get back on the Zero Defects track in this area.

2. With the removal of the bulk phosgene from open fields and placing it within the toxic storage, we no longer require any waivers to the security standards prescribed by AR 190-3. We do still have three valid exceptions to that regulation, however.

a. The continued storage of Category II bulk agent in the existing refrigerated one-story brick building (Bldg 741) in lieu of the igloos prescribed in the regulation.

b. The continued storage of Category II munitions (M-34 clusters) in transitory weather protection shelters within the barbed wire enclosed restricted area in lieu of the prescribed igloos.

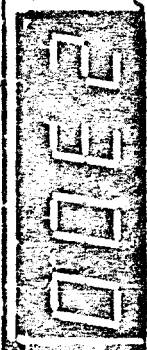
c. The continued storage of bulk agent within the existing barbed wire fence in lieu of an FE-6 fence. During the first quarter FY71 this fence will be brought up to FE-6 specifications.

d. All of the above have been combined under one exception, PSE-AMSRM-1-69.

3. During FY70 security guard strength varied considerably. We started the year with 32 authorized civilian guards and the 522d MP Platoon (Service) which has remained understrength all year. Its present strength is down to 12 enlisted men. Last July approximately 35 military policemen from Ft. Bragg, North Carolina were on temporary duty here. They were replaced by a like number of Tech Escort personnel from Edgewood Arsenal until 11 November. In December our civilian guard authorized strength was increased to 71 and by the end of January we had these people trained and on the job. The 30 June reduction in force reduced the figure to 62. The last two months of the year saw a steady decline in strength because of resignations. In other words, the second half of FY70 was marked by considerable turmoil in the guard force and much time spent in intensive training, some of the men gained in December and January were lost in the June RIF. We are currently training 11 replacements assigned on 28 June. A twelfth man assigned has since resigned. As of the end of the year, the overall strength picture was as follows:

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	1 July 1969			30 June 1970		
	Civilian	Military		Civilian	Military	
		OFF	EM		OFF	EM
Authorized	32	1	24	62	1	24
Assigned	32	0	20	62	0	12
Present for Duty	31	0	18	62	0	12
Attached		1	38			
Total present for duty	31	1	56	62	0	12
Total all personnel present for duty:		1 July 1969 - 88				
		30 June 1970 - 74				

4. During the quarter, 27 security clearances for access to classified information were granted bringing the year's total to 164, compared with 255 during FY69. The decreasing arsenal strength is well reflected in the decline of security clearances granted. No security clearances were suspended or revoked. Fifteen Dossiers were reviewed bringing the year's total to 148, considerably more than the 77 in FY69. A high proportion of the enlisted personnel assigned to the arsenal are reviewed for possible assignment to Special Projects, but the number accepted has declined. Twenty-six SHI inspections were conducted during and after duty hours. One hundred twenty-five of these inspections were conducted during the year; this compares favorably with the 135 conducted during FY69. Eighteen security briefings were conducted during the quarter, 143 persons were debriefed, and 95 individuals were tested on safeguarding classified information.

5. Provost Marshal activities during the quarter resulted in 46 apprehensions, 206 for the year, compared with 127 in FY69. With the reduced population on the arsenal and a larger security force, it is obvious that security guards and military police have been more active. Twenty-six people were brought before the US Commissioner in the last quarter, 23 were convicted. Of the 96 brought before the Commissioner during the year, 82 were convicted. Two hundred seventy-nine privately-owned vehicles were registered during the quarter. Only 1530 were registered during the year, compared to 3335 in FY69. At the end of the year 2102 privately-owned vehicles were registered with the Security Office to be operated on the arsenal, compared to 2864 a year ago. There has been a rather steady decline since the high point of 3873 at the end of the second quarter, FY68.

6. RMA continues to be a popular place to visit; 24,400 came through the gates during the fourth quarter, bringing the year's total to 67,822 compared with the 60,258 in FY69.

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7. Two hundred forty-one security badges were issued during the quarter, 575 during the year. Four hundred eighteen identification pictures were taken bringing the year's total to 3147 compared to 3808 in FY69. One hundred four fingerprint cards were prepared during the quarter, 460 were prepared during the year.

8. Government property in the amount of \$98.00 was reported lost or stolen during the quarter, and \$141.00 worth of private property was reported lost or stolen. No Government or private property was recovered. FY70 has had our poorest recovery rate of any year recorded. This has been due in part to the considerable time lag between discovery of loss and reporting the loss.

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Program Review and Analysis - July 1970

Headquarters Commandant - Captain Peter D. Kaunitz

1. The following activities were accomplished by Headquarters Company and the 522nd Military Police Platoon during the Fourth Quarter, FY 70.

- a. Troop billets have been improved with the addition of new bunks.
- b. The Arsenal Color Guard represented the Arsenal in Aurora's Gateway to the Rockies Parade and led Commerce City's Memorial Day Parade.
- c. The unit supply system has been reorganized with an eye towards supply economy and a better identification of costs.
- d. The 522nd Military Police Platoon has formed a pistol team.

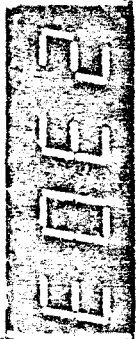
2. Planned objectives for First Quarter, FY 71 are as follows:

- a. The 522nd Military Police Platoon's pistol team will participate in the Provost Marshal General's Trophy Pistol Team Match in September.
- b. Both the Company and the Platoon will begin a new FY training cycle.

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Program Review and Analysis - July 1970

Post Judge Advocate - Captain Michael C. Abraham, Jr.

1. During the Fourth Quarter of FY 1970, this office conducted the following activities.

a. Military Justice.

(1) The Post Judge Advocate was defense counsel for two enlisted men tried by Special Court-Martial at Pitzsimons General Hospital.

(2) The Post Judge Advocate was counsel for three enlisted men who were respondents in AR 635-212 board proceedings at Pitzsimons General Hospital.

(3) One Article 15 punishment was imposed.

b. Claims. Two claims filed under the Military Personnel and Civilian Employees' Claims Act were processed and paid.

c. Military Affairs. One report of survey was completed. Two other reports of survey were received and are now pending.

d. Training. The office completed all training for military personnel scheduled for FY 1970. The office conducted a class for civilian guards; the class covered the subjects of arrest and apprehension, search and seizure, carrying firearms, and the use of force.

e. Legal Assistance. The office disposed of 98 legal assistance cases.

2. The office plans the following activities for the next quarter.

a. The office will apprise the Provost Marshal of all recent Supreme Court cases which affect law enforcement activities.

b. In addition to the regularly scheduled lecture on Personal Commercial Affairs, the office will initiate a program of consumer education. The office will distribute written materials on such subjects as the new Federal Wage Garnishment statute, Truth in Lending, and automobile sales.

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Program Review and Analysis - July 1970

Post Inspector - Captain Peter D. Kaunitz

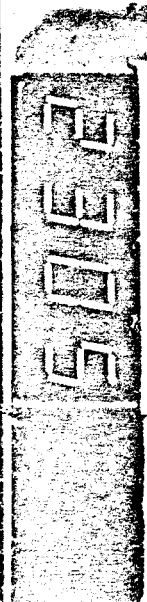
1. All planned objectives for the Office of the Post Inspector for the Fourth Quarter were completed. In conjunction with the Annual General Inspection, USAMC Security Support Agency performed an Annual Physical Security Inspection and a Counterintelligence Inspection was conducted by Region IV, 113th Military Intelligence Group.

2. Planned objectives for First Quarter, FY 1971 include conducting scheduled and non-scheduled inspections as required.

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Program Review and Analysis - July 1970

Public Information Office - Mr. Paul E. McDonnell

1. Information Activities:

a. In mid-April, during the ill-fated Apollo 13 flight, a voluntary release was made to all local newspapers and television/radio stations concerning the blending of the fuel for the spacecraft at Rocky Mountain Arsenal. All TV stations requested permission to film the hydrazine plant and, on a pool arrangement, one station responded to do the filming. Efforts to arrange for a personal appearance at RMA of Denver astronaut, Jack Swigert, failed.

b. Members of the news media were invited to attend the presentation of the NPPA's Grand Award for Fire Prevention by BG Erwin M. Graham, Jr., CG, MUCOM. Three TV stations responded and turned out good film coverage.

c. Community newspaper coverage was given to the presentation of the Suggestion Program Excellence plaque to Mrs. Connie Martin, Program Coordinator, by U. S. Representative Donald G. Brotzman during the Armed Forces Day reception at the Officers' Club.

d. A minor controversy arose when an AP wire story implied that Colorado Health Department representatives were "turned away at the gate" when they attempted to get water samples. A delay in higher headquarters in obtaining approval for this coordination triggered this story. A cleared statement was given to the news media callers.

e. Other voluntary news releases included employee awards, LTC Shear receiving the Army award plaque for Suggestion Program Excellence from COL Cerar, and COL Cerar's final visit to RMA.

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f. A feature story concerning the Fire Department's educational television channel connection was submitted to several trade publications and the AMC Safety Digest.

2. Community Relations Activities:

a. The Commander/Deputy Commander/Deputy for Demil represented the Arsenal at numerous meetings/functions.

b. A reception for military and civilian leaders of the community was hosted on Armed Forces Day.

c. Hq Co furnished a color guard and the Fire Department a float in Aurora's Third Annual "Gateway to the Rockies Parade". LTC Shear was a guest on the reviewing stand.

d. The Commanding Officer was principal speaker for the Commerce City Memorial Day Celebration. Hq Co furnished a color guard and the Fire Department furnished a float for the parade.

e. Mr. Victor T. Butzoff, Arsenal Comptroller, was elected to the presidency of the Denver Chapter of the American Society of Military Comptrollers.

f. A total of 215 boy and girl scouts and 75 adult leaders used the Arsenal facilities for scouting activities.

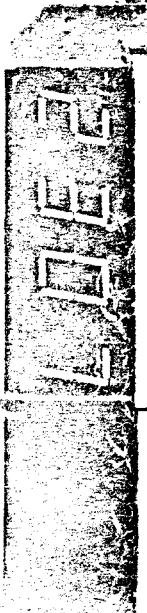
g. Arsenal picnic facilities were used by a group from another government agency.

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# DISPOSITION FORM

(AR 340-1)

REFERENCE OR OFFICE SYMBOL	SUBJECT
10000-0	Review and Analysis Conference

TO: THE DISTRIBUTION	FROM: [Signature]	DATE: 1 July 1970	CMT: 1 Mr. Malone, A/Asst/Off.
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1. The 4th quarter FY 70 Review and Analysis Conference will be held at 0800 hours on 29 July 1970, in room 115, Building 113.
2. Your presentation will consist of a brief review of progress and equipment v. schedule. Any other activities contributing to your operating level should also be covered, outline plans for the next quarter.
3. Report a copy of your discussion, typed on multilith copy, be furnished this office NOT LATE July 1970; format to be coordinated with Comptroller's secretary. Information for typed vignette should be submitted NOT LATE July 1970.

*[Signature]*  
V. S. [Name]  
Comptroller

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ROCKY MOUNTAIN ARSENAL

PRODUCTION OPERATIONS

FY 1970

- \*M-34 GRENADE MP FILLED
- 105mm CARTRIDGE MP FILLED
- \*NAVY NET EYE CS FILLED
- \*FOLTEST JEL. WIPERS CS FILLED
- \*RELISTILLATION CS
- CMS-50 FILLATION (SHIPPING CONTAINERS)
- BY HAZARD CLEANING
- XV-40 DESTRUCTION (MINES)
- TON CONTAINER DECONTAMINATION
- CLOTHING IMPREGNATION
- SPECIAL PROJECTS ACTIVITIES
- DEMILITARIZATION OF MUNITIONS

- \*COMPLETED DURING 3RD QUARTER
- \*\*OPERATIONS SUSPENDED 3RD QUARTER

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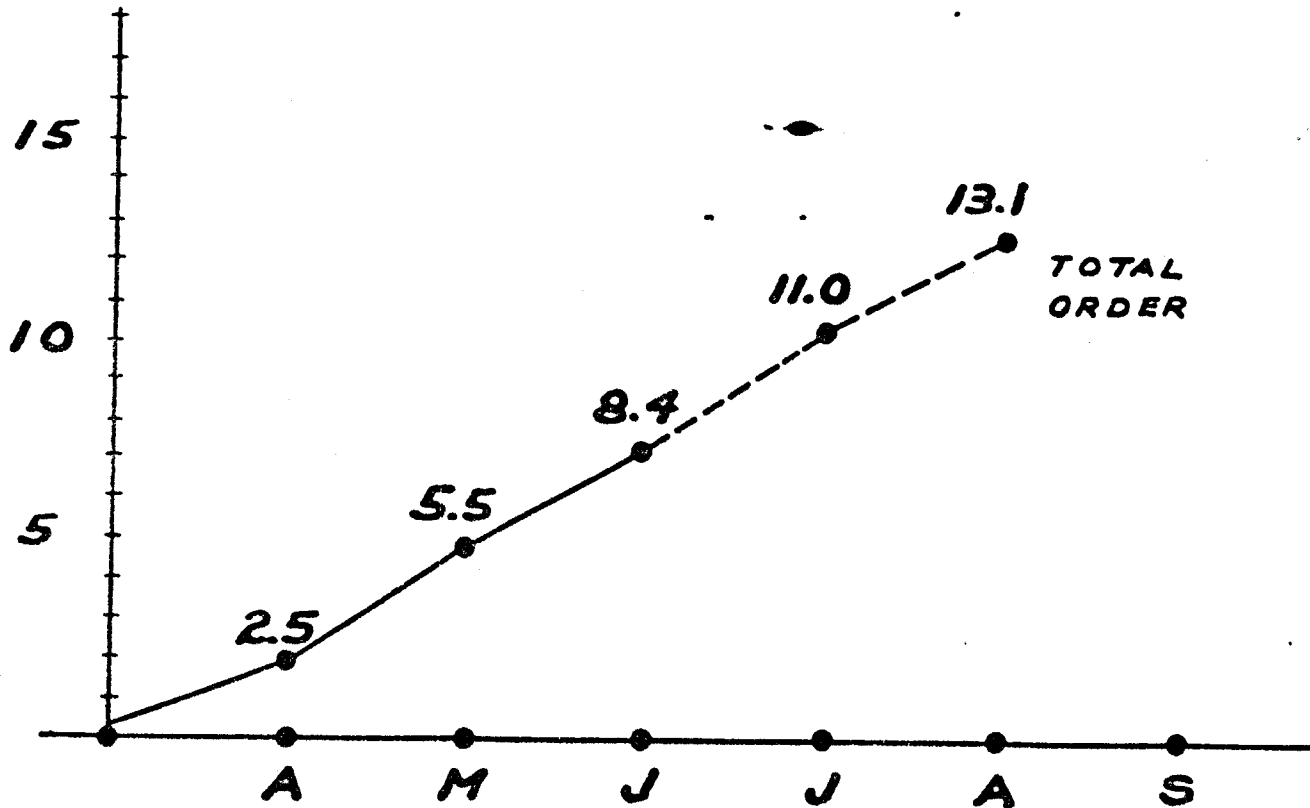
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ROCKY MOUNTAIN ARSENAL  
CNU CONTAINER RENOVATION

THOUSANDS

FY 1970



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ROCKY MOUNTAIN ARSENAL

HYDRAZINE

FY 1970

MILLION POUNDS

1.5-

DELIVERY "ON CALL" AS REQUIRED

26,000# JPX BLENDED

1.0-

.5- BLENDING TO DATE

157

350

536

644

644

902

-1.5

-1.0

NO DEFINITE SCHEDULE  
NORMAL ACTIVITY 500,000 LBS/QUARTER

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ROCKY MOUNTAIN ARSENAL

MISCELLANEOUS OPERATIONS

FY 1970

	<u>3RD QUARTER</u>	<u>4TH QUARTER</u>	<u>FY TO DATE</u>
FOR CONTAINER DECONTAMINATION:	380	25	4,290
W-40 WASHING (BARRELS)	0	328	328
MUNITION DECON:			
<u>50</u> 8-130	1,024	0	11,823
7-125	560	0,503	5,804
8-150	22	0	22
11.5-19	0	0	15
7-50	0	0	218
<u>40</u> 105mm	994	1,161	4,616
CLOTHING TREATMENT (POUNDS)	23,430	23,700	174,164

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ROCKY MOUNTAIN ARSENAL

ANTICIPATED PRODUCTION OPERATIONS

FY 1971

CMU-80 SHIPPING CONTAINERS RENOVATION

XE-40 FINE DESTRUCTION

HYDRAZINE BLENDING

CLOTHING IMPREGNATION

MINOR DEMIL AS REQUIRED

EXPERIMENTAL WORK MUSTARD DEMIL

SPECIAL PROJECTS ACTIVITIES

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ROCKY MOUNTAIN ARSENAL

DISPOSAL DIVISION

(IN THOUSANDS)

	<u>1ST QTR</u>		<u>2ND QTR</u>		<u>3RD QTR</u>		<u>4TH QTR</u>	
	<u>PROJ</u>	<u>ACT</u>	<u>PROJ</u>	<u>ACT</u>	<u>PROJ</u>	<u>ACT</u>	<u>PROJ</u>	<u>ACT</u>
GENERATIONS	\$1.087	1.588	2.465	6.380	2.500	5.965	3.500	2.997
DISPOSITION OF EXCESS AND SURPLUS PROPERTY								
TRANSFERS		\$186		151		1,070		670
DONATION		113		23		357		107
SALES		532		80		274		228
EXPENDED TO SCRAP						3,953		6,910

TOTALS TO DATE

<u>FY 69</u>		<u>FY 70</u>
\$2.227	GENERATIONS	\$17.902
551	TRANSFERS	2.077
368	DONATION	597
937	SALES	1,114
	EXPENDED	13,863

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ROCKY MOUNTAIN ARSENAL

INSPECTIONS/REPAIR  
AUV - MHE - P&U EQUIPMENT

<u>FY 70</u>	<u>*INSPECTIONS</u>	<u>REPAIRS</u>	<u>TOTAL</u>
1ST QTR	320	708	1,028
2ND QTR	348	681	1,029
3RD QTR	311	837	1,148
4TH QTR	324	652	976

\*INSPECTIONS INCLUDE PREVENTIVE MAINTENANCE SERVICING.

REPAIR

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ROCKY MOUNTAIN ARSENAL

FREIGHT TRAFFIC

FY 1970

<u>PERIOD</u>	<u>NO. OF INBOUND</u>		<u>NO. OF OUTBOUND</u>	
	<u>SHIPMENTS</u>	<u>POUNDAE</u>	<u>SHIPMENTS</u>	<u>POUNDAE</u>
1ST QTR FY 70	265	1,723,860	146	3,120,077
2ND QTR FY 70	296	1,741,920	228	7,727,093
3RD QTR FY 70	263	1,954,367	236	7,040,840
4TH QTR FY 70	318	4,401,716	231	7,147,298

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ROCKY MOUNTAIN ARSENAL  
 ACCIDENT COMPARISON  
 3Q VS 4Q FY 70

	<u>3RD Q</u>	<u>4TH Q</u>
TOTAL RECORDABLE ACCIDENTS (INCLUDING DISABLING INJURIES)	2	1
TOTAL DISABLING INJURIES	0	0
TOTAL COST	\$4,728	\$2,659
AVERAGE MANNING STRENGTH	620	595

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ROCKY MOUNTAIN ARSENAL  
 ACCIDENT REVIEW  
 FY 70

CIVILIAN AND MILITARY	PMA 1967-69 AVG.	"GEMS" TARGET 15% REDUCTION OF PRE- VIOUS 3 YEAR AVERAGE	PMA 1970 4TH QTR CUMULATIVE
TOTAL RECORDABLE ACCIDENTS (INCLUDING DISABLING INJURIES)	9.6	8.2	8.0
TOTAL DISABLING INJURIES	9.8	8.2	1
TOTAL COST - DISABLING INJURIES	\$54,742	\$46,530	\$15,090
- PROPERTY DAMAGE			
- AMV DAMAGE			
- FIRST-AID CASES			

REF: ANNEX C, TO EDGEWOOD ARSENAL  
 FIVE YEAR BASE PROGRAM, ITEM  
 NO. 1, PAGE II-32

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ROCKY MOUNTAIN ARSENAL  
 RMA ACCIDENT EXPERIENCE VS AWC TARGETS

FY 70

ACCIDENT/INJURY FREQUENCY RATES	RMA	AWC SAFETY TARGETS* (NOT TO EXCEED RATES LISTED)
------------------------------------	-----	---

ACTIVE ARMY PERSONNEL	0	25.83
-----------------------	---	-------

ARMY MOTOR VEHICLE	2.19	2.43
--------------------	------	------

ARMY CIVILIAN	0.87	0.96
---------------	------	------

RMA FY 70 EXPOSURE - MILES DRIVEN 1,368,290  
 MILITARY MAN-DAYS 35,663  
 CIVILIAN MAN-HOURS 1,151,955

\* AWC STATISTICAL SUMMARY OF ACCIDENTS MAY 1970

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ROCKY MOUNTAIN ARSENAL

SAFETY TRAINING

<u>TITLE OF COURSE</u>	<u>NO. ATTENDING</u>	<u>NO. OF HOURS</u>
PROTECTIVE MASK TRAINING	581	22
SAFETY ORIENTATIONS	20	2
SUPERVISORY SAFETY TNG	39	4 (TWO SESSIONS)

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ROCKY MOUNTAIN ARSENAL

OPERATING GAIN OR LOSS

FY 1970

REVENUE	\$10,073,742
COSTS	\$10,070,943
OPERATING GAIN	\$ 2,799

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ROCKY MOUNTAIN ARSENAL

OVERTIME COSTS

FY 1970

	<u>4TH QUARTER</u>		<u>FY TOTALS</u>	
	<u>LMT</u>	<u>ACT</u>	<u>LMT</u>	<u>ACT</u>
SEA	\$20,100	\$14,360	\$83,050	\$72,753
NON-SEA	0	0	0	133
NON-DOD (REIMBURSABLE)	0	150		1,086
<b>TOTALS</b>	<b>\$20,100</b>	<b>\$14,510</b>	<b>\$83,050</b>	<b>\$73,972</b>

BALANCE OF \$5,590 AUTHORIZATION WITHDRAWN.

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ROCKY MOUNTAIN ARSENAL

SALES

4TH QTR FY 70 (CUMULATIVE)

<u>PROGRAM</u>	<u>PROGRAMMED AMOUNT</u> (IN THOUSANDS)	<u>ACTUAL</u>	<u>VARIANCE</u>
1. M34 GRENADE	450	450	-0-
2. REDISTILLATION	327	327	-0-
3. HYDRAZINE & SPECIAL PROJECTS	228	219	9
4. FILLING NAVY MUNITIONS	238	258	(20)
5. HONEST JOHN WARHEADS	948	970	(22)
6. M4 BURSTER PROGRAM (CANCELLED)	64	64	-0-
7. O&MA AND OTHER ACTIVITIES	995	1,769	(774)
8. DECON TON CONTAINERS	272	265	7
9. 105MM (WP) FILLED SHELLS	1,457	1,998	(541)
10. M34 CLUSTER, MUSTARD & OTHER DEMIL	2,882	2,254	628
11. SBB SURVEILLANCE & DEMIL	150	140	10
12. SUPPORT OF IDLE CAPACITY	1,156	888	268
13. CNU 80 (1378) REPAIR ORDER	-0-	340	(340)
14. RETROACTIVE PAY RAISE	-0-	132	(132)
TOTAL	9,157	10,074	(907)

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ROCKY MOUNTAIN ARSENAL

PROJECTED SALES

1ST QTR FY 1971

	<u>AMOUNT</u>
	(IN THOUSANDS)
1. CHU-80 REPAIR	\$ 400
2. CLOTHING IMPREGNATION	100
3. HYDRAZINE BLENDING	20
4. DEPOT ACTIVITIES (O&MA)	56
5. DEMILITARIZATION (TASK FORCE EAGLE)	110
6. DISPOSAL OPERATIONS	100
7. FAMILY HOUSING	5
8. SUPPORT OF TENANTS AND SATELLITES	40
9. OTHER PRODUCTS AND SERVICES	<u>13</u>
	<u>\$1,844</u>

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ROCKY MOUNTAIN ARSENAL

TBY TRAVEL FY 1977

	<u>ANNUAL BUDGET</u>	<u>ACTUAL 1ST 12 MOS</u>	<u>BALANCE 30 JUNE 79</u>	<u>% UNDER UTILIZED</u>
COMMANDING OFFICER	\$ 2,670.00	\$ 1,851.43	\$ 818.57	30.7
POST INSPECTOR	600.00	407.03	192.97	17.2
JUDGE ADVOCATE	100.00	9.52	90.48	90.5
SAFETY	3,694.03	3,703.04	( 8.36)	-
PERSONNEL	10,968.00	10,300.70	665.30	6.1
COMPTROLLER	1,155.00	1,064.50	90.50	7.8
PROTOCOL	-	-	-	-
MANAGEMENT OFFICE	2,508.25	2,169.67	338.58	13.5
ADJUTANT	110.00	-	110.00	100.0
SURGEON	500.00	5.00	495.00	99.0
SECURITY	2,042.00	1,754.34	287.66	14.1
QUALITY ASSURANCE	3,715.00	3,712.22	2.78	.7
DIR. INDUSTRIAL OPS	3,535.10	3,546.79	( 11.69)	-
DIR. FACILITIES	2,434.75	1,797.75	687.00	27.6
DIR. LOGISTICAL SERVICES	12,500.05	4,802.15	7,697.90	61.6
<b>TOTALS</b>	<b>\$46,580.83</b>	<b>\$35,214.14</b>	<b>\$11,366.69</b>	<b>24.4</b>

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ROCKY MOUNTAIN ARSENAL

COMMAND OBJECTIVES

PROJECT "GEMS"

	<u>ASSTU</u>		<u>SINUA</u>		<u>SINUM</u>	
	<u>40</u>	<u>FY</u>	<u>40</u>	<u>FY</u>	<u>40</u>	<u>FY</u>
SCHEDULED	48	82	34	81	42	95
COMPLETED	41	71	34	80	38	91
PER CENT ACCOMPLISHED	85	87	100	99	90	96



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ROCKY MOUNTAIN ARSENAL

U S SAVINGS BONDS PROGRAM

PARTICIPATION 30 JUNE 1970 -- 90%

AWARDS

GOLD STAR (FIVE YEAR AWARD) FOR MINUTE MAN FLAG

SECRETARY OF THE ARMY CERTIFICATE FOR 7 YEARS OF OVER 80% PARTICIPATION

LITHOGRAPHED PRINTS FOR THE DIRECTORATES FOR OVER 75% PARTICIPATION

COMMANDER'S SPECIAL CITATION FOR OFFICES ATTAINING 75% PARTICIPATION

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ROCKY MOUNTAIN ARSENAL

PERSONNEL STRENGTH

ACTY STR FY 70

<u>30 JUL 1970</u>	<u>MILITARY</u>	<u>CIVILIAN</u>	<u>TOTAL</u>
AUTHORIZED	115	452	567
ACTUAL	37	*402	549

\*INCLUDES 11 PERSONNEL ON EXTENDED  
LEAVE PENDING RETIREMENT.

REQUIREMENTS:

30 SEP 1970	115	452	567
30 DEC 1970	115	452	567

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ROCKY MOUNTAIN ARSENAL

CIVILIAN PERSONNEL REQUIREMENTS

\*Requirements do not include the following unfunded probable orders: 244,000 1-man sets for impregnation; phosgene demil; Lance pilot order.

.....	ACTUAL	REQUIREMENTS		
	<u>30 JUN 70</u>	<u>30 SEP 70</u>	<u>31 DEC 70</u>	<u>31 MAR 71</u>
<u>PRODUCTS DIVISION</u>				
HYDRAZINE	2	2	2	2
ORG-90 CONTAINER	63	22	-	-
CLOTHING TREATMENT	3	22	24	8
MUSTARD DEMIL	-	22	48	48
MISCELLANEOUS DEMIL	6	0	-	-
M-34 DEMIL	-	-	-	55
DIVISION OVERHEAD	8	8	8	8
<u>TOTAL PRODUCTS DIVISION</u>	<u>82</u>	<u>82</u>	<u>82</u>	<u>121</u>
QUALITY ASSURANCE	25	25	25	30
CB SURETY GUARDS	39	39	39	30
COMZAND AND STAFF	93	89	89	89
DIR OF IND OPERATIONS	4	4	4	4
DIR OF FACILITIES	118	120	120	120
DIR OF LOGISTICAL SERVICES	101	95	95	95
<u>*TOTALS</u>	<u>462</u>	<u>452</u>	<u>452</u>	<u>498</u>

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ROCKY MOUNTAIN ARSENAL

COST REDUCTION PROGRAM

(IN THOUSANDS OF DOLLARS)

<u>AREA</u>	<u>FY 1970</u>	<u>EST.</u>	<u>GRAND</u>
		<u>FY 71 &amp; 72</u>	<u>TOTAL</u>
I.C. ELIMINATE GOLIPLATING (X)	\$ 13.3	\$ -0-	\$ 13.3
III.B.1.E OTHER MCT IMPROVEMENTS	49.0	3.4	52.4
III.C.5. REAL PROPERTY MAINT & OPER MGT	172.1	19.8	191.9
<b>TOTALS</b>	<u>\$234.4</u>	<u>\$23.2</u>	<u>\$257.5</u>

TOTAL FY 1970 GOAL = \$289.0

% OF GOAL ACHIEVED = 81.1



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**ROCKY MOUNTAIN ARSENAL**  
**BASE LABOR FORECAST VS ACTUAL**

(Direct Labor Hours)

FY 1970

THOUSAND  
HOURS  
80 -

THOUSAND  
HOURS  
- 80

60 -

- 60

40 -

- 40

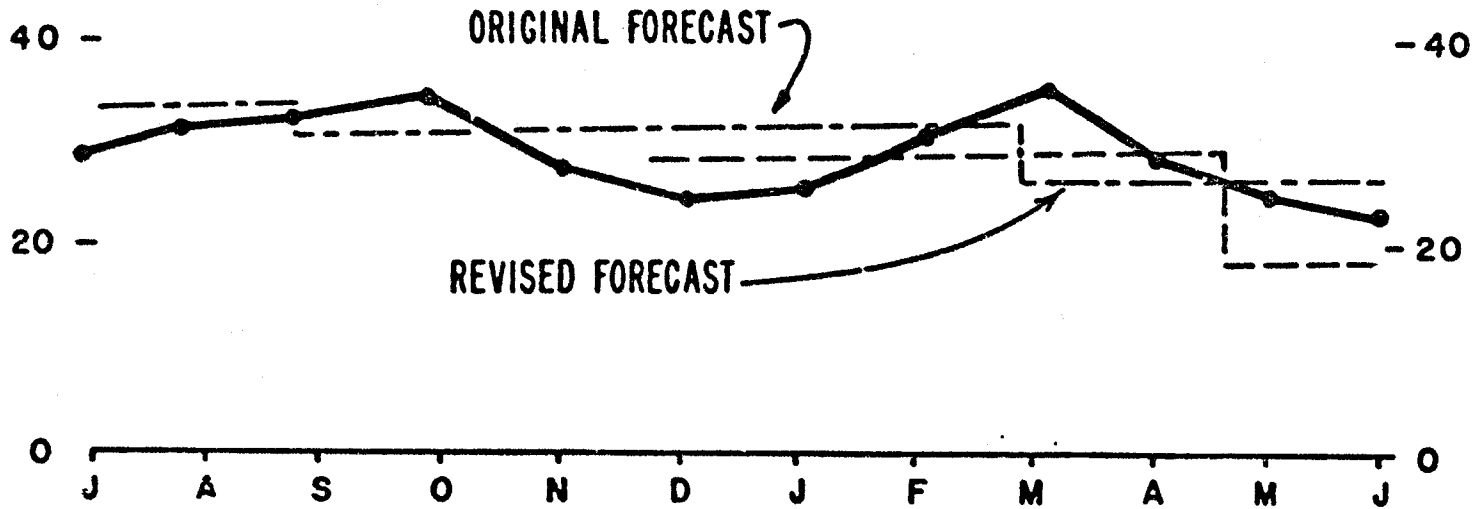
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ORIGINAL FORECAST

REVISED FORECAST



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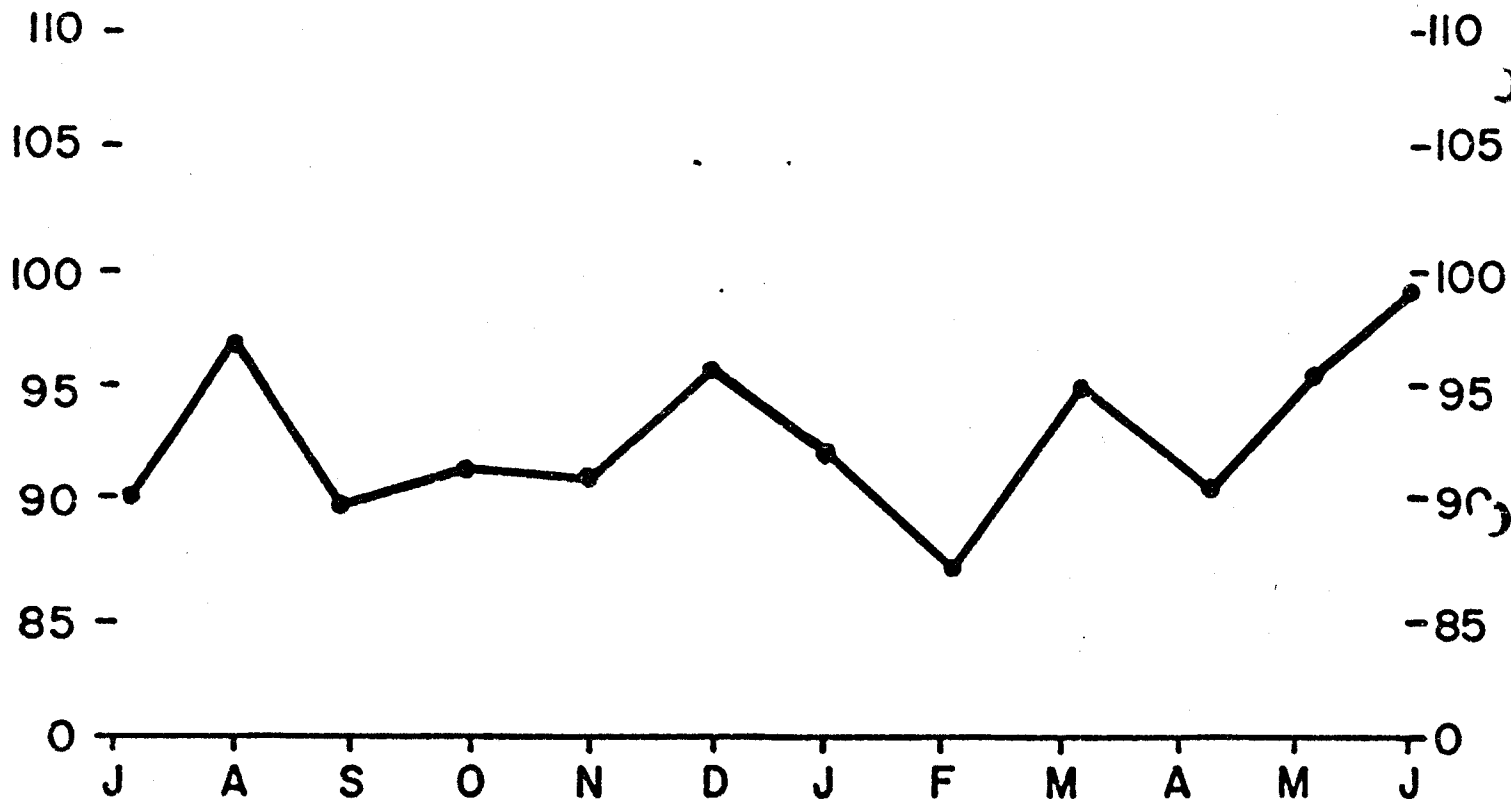
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ROCKY MOUNTAIN ARSENAL

DIRECT LABOR

FY 1970

PERCENT  
EFFECTIVE

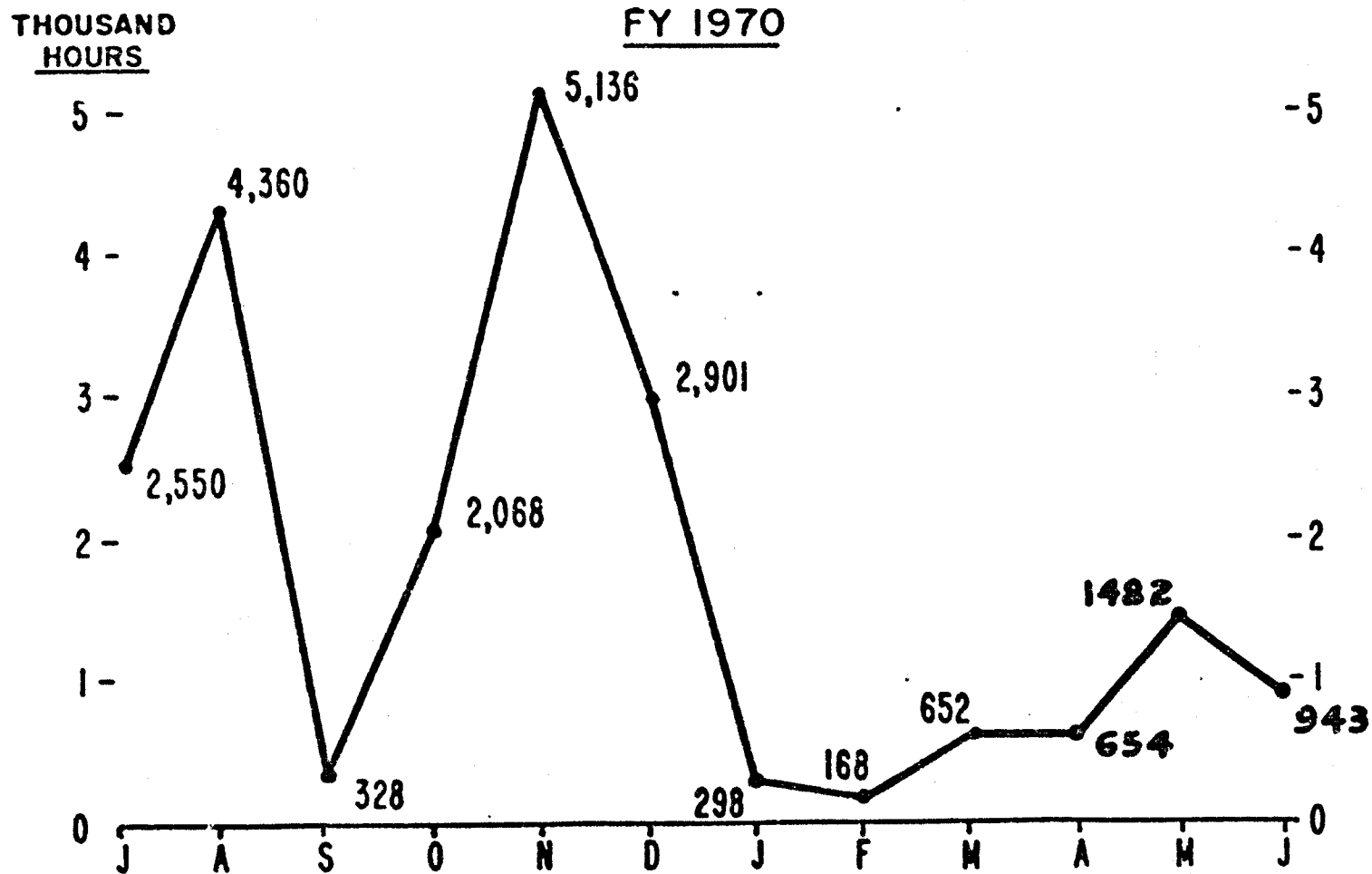


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**ROCKY MOUNTAIN ARSENAL**  
**NON PRODUCTIVE DIRECT LABOR HOURS**



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ROCKY MOUNTAIN ARSENAL  
REDUCTION IN FORCE ACTIVITIES

FY 70

	<u>NUMBER</u>	<u>% OF WORKFORCE</u>
PLACED IN DOD & OTHER FEDERAL AGENCIES	48	
SEPARATED BY RETIREMENT	24	
RESIGNATION-RIF (FOR OTHER EMPLOYMENT)	18	
RIF - GROUP I & II EMPLOYEES (9 DECLINED OFFERS FOR CONTINUED EMPLOYMENT)	13	
RIF - TERM EMPLOYEES	26	
OTHER LOSSES	5	
TOTAL SEPARATIONS	<u>134</u>	25.5
EMPLOYEES REASSIGNED OR CHANGED TO LOWER GRADE IN LIEU OF RIF	<u>82</u>	
TOTAL ACTIONS COMPLETED	216	41.1

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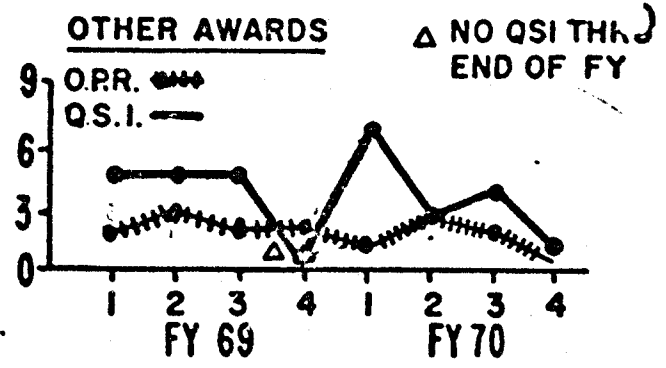
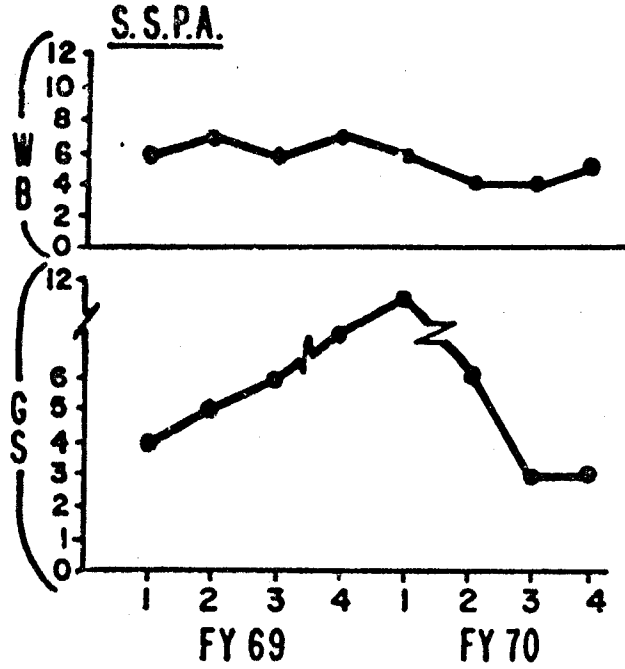
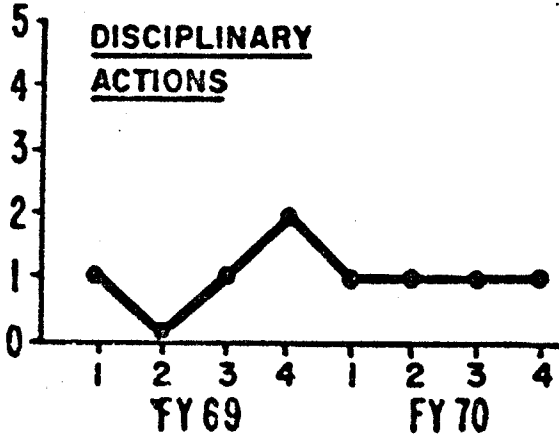
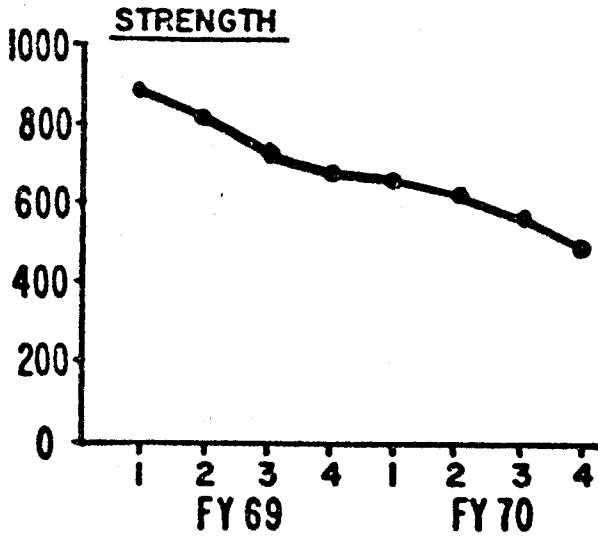
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**CIVILIAN PERS. MGT.-MANAGEMENT ACTIONS**



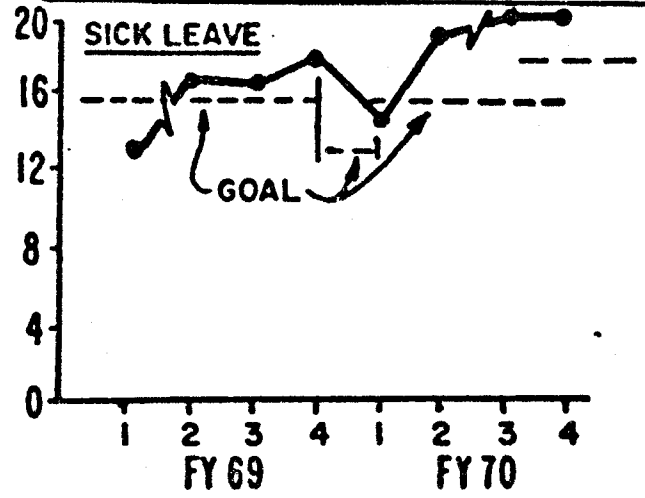
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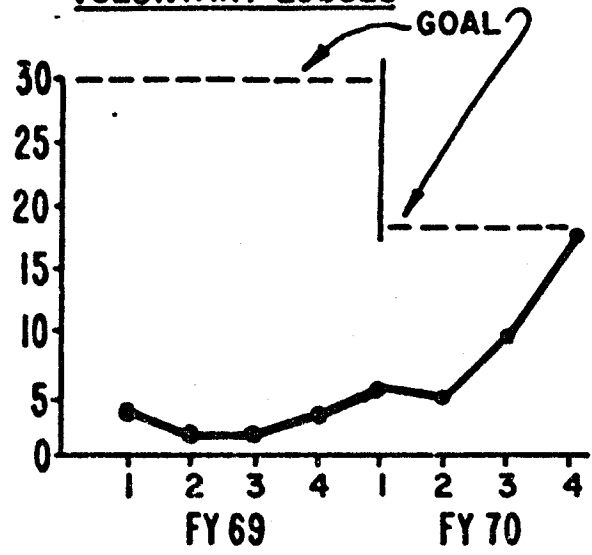
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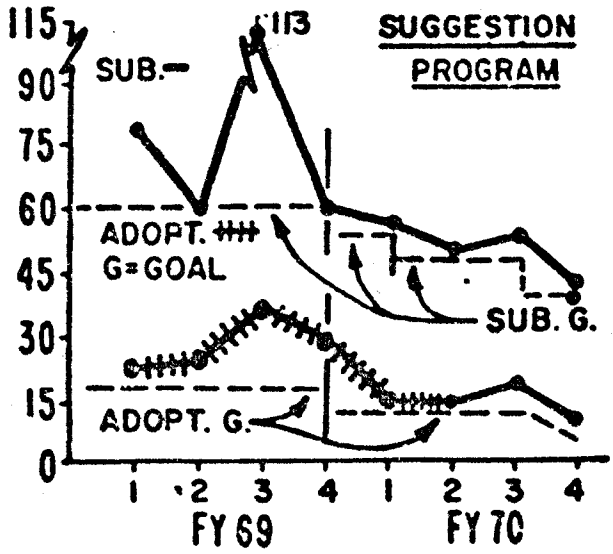
**CIVILIAN PERS. MGT. - EMPLOYEE REACTIONS**



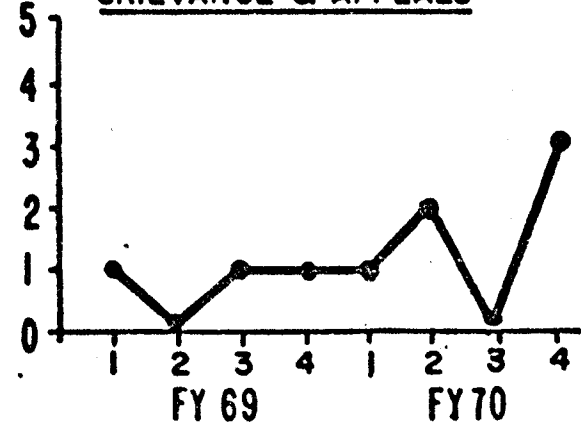
**VOLUNTARY LOSSES**



**SUGGESTION PROGRAM**



**GRIEVANCE & APPEALS**



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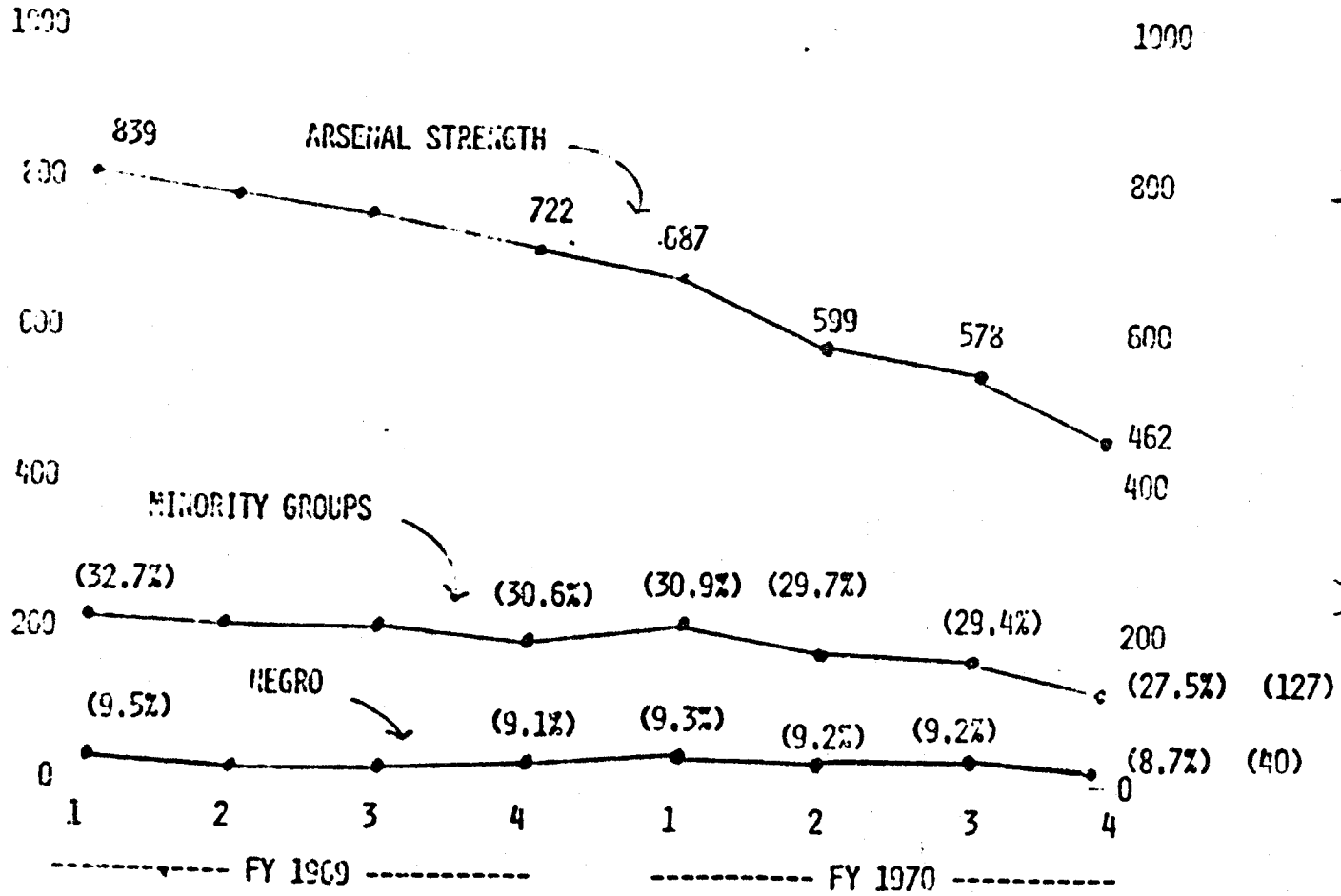
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ROCKY MOUNTAIN ARSENAL  
EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

FY 1970



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4 <sup>TH</sup> QTR FY 1970	HEAD	SCALP	EYE	EAR	NOSE	SHOULDER	BACK	TRUNK	ARM	HAND	FINGER	LEG	ANKLE	FOOT	TOE	BODY SYSTEMS	OTHER	TOTALS
ABRAISION									1		2	1						4
BURN									2		1							3
CONJUNCTIVITIS			1															1
CONTUSION	2		1			1	1		2	1	2	1		1				12
DERMATITIS	1																	1
EXPOSURE (TOXIC AGENTS)															2			2
FOREIGN BODY / MATTER			1								2						1	4
FRACTURE											1							1
LACERATION	2	1							2	4								10
PUNCTURE																		
SPRAIN						9				2		1	1					13
STRAIN																		
OTHER																		
TOTALS	5	1	3			10	1	3	4	13	3	2	1	1	2		2	51

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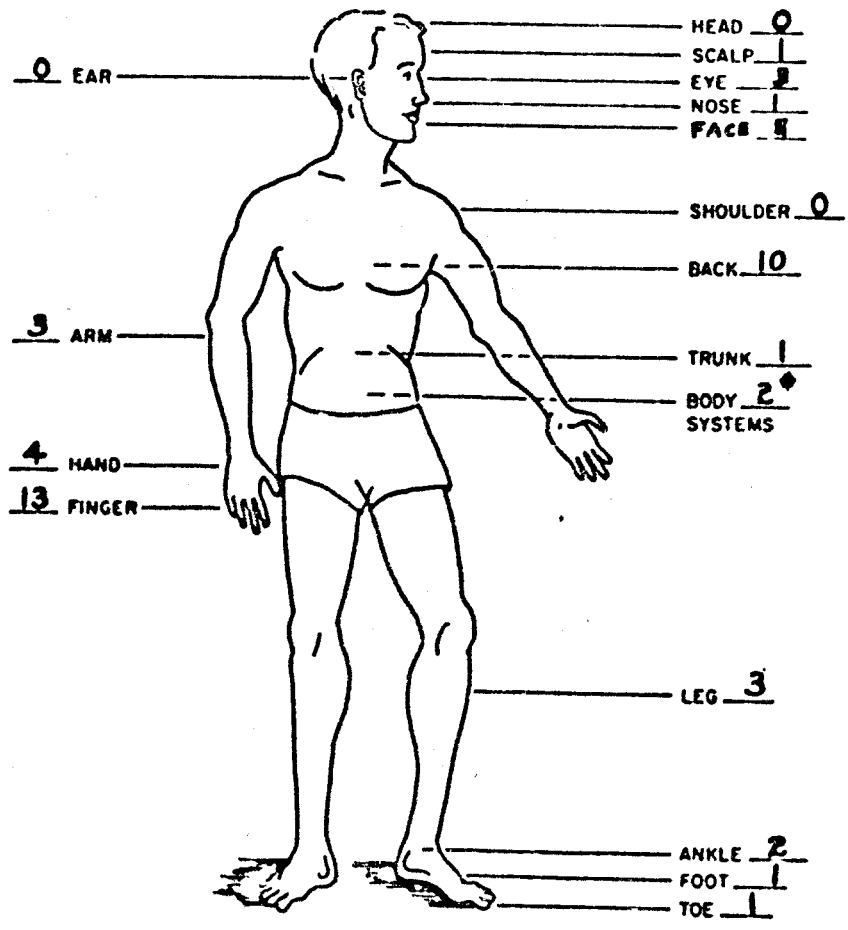
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4<sup>TH</sup> QTR. FY 1970



OTHER 4  
 TOTAL INJURIES... 51  
 ♦ EXPO. - 2

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 Re WAIVE \*DT 70-73  
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 RMA PROGRAM REVIEW AND SIDRAS

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**ROCKY MOUNTAIN ARSENAL  
SECURITY PERSONNEL STRENGTH**

FY 1970

	<u>1 JULY 69</u>			<u>30 JUNE 70</u>		
	<u>CIVILIAN</u>	<u>MILITARY</u>		<u>CIVILIAN</u>	<u>MILITARY</u>	
		<u>OFF</u>	<u>EM</u>		<u>OFF</u>	<u>EM</u>
AUTHORIZED	32	1	24	62	1	24
ASSIGNED	32	0	20	62	0	12
PRESENT FOR DUTY	31	0	18	62	0	12
ATTACHED		1	38			
TOTAL PRESENT FOR DUTY	31	1	56	62	0	12
TOTAL ALL PERSONNEL PRESENT FOR DUTY ---	1 JULY 69 - <u>88</u>			30 JUNE 70 - <u>74</u>		

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ROCKY MOUNTAIN ARSENAL

PROVOST MARSHAL ACTIVITIES

	<u>1ST QTR</u>	<u>2ND QTR</u>	<u>3RD QTR</u>	<u>4TH QTR</u>	<u>TOTAL</u>
<b>APPREHENSIONS</b>					
FY 1970	74	55	31	46	206
FY 1969	34	24	43	26	127
<b>APPEARANCES BEFORE US COMMISSIONER</b>					
FY 1970	35/31	23/18	12/10	26/23	96/82
FY 1969	12/10	14/14	24/17	18/15	68/56
<b>VEHICLES REGISTERED</b>					
FY 1970	573	261	447	249	1530
FY 1969	745	920	946	724	3335
<b>TOTAL REGISTERED VEHICLES ON POST</b>					
FY 1970	2,762	2,432	2,646	2102	2102
FY 1969	2,660	3,303	3,046	2864	2864

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ROCKY MOUNTAIN ARSENAL

PHYSICAL SECURITY ACTIVITIES

	<u>1ST QTR</u>	<u>2ND QTR</u>	<u>3RD QTR</u>	<u>4TH QTR</u>	<u>TOTAL</u>
GOVERNMENT PROPERTY LOSSES					
FY 1970	\$ 75/0	\$4/0	\$ 7/0	98/0	184/0
FY 1969	\$218/218	\$0/0	\$ 0/0	580/0	798/231
PRIVATE PROPERTY LOSSES					
FY 1970	\$306/0	\$74/0	\$10/0	141/0	531/0
FY 1969	\$184/0	\$175/0	\$25/9	1/0	385/9

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ROCKY MOUNTAIN ARSENAL

INTELLIGENCE ACTIVITIES

	<u>1ST QTR</u>	<u>2ND QTR</u>	<u>3RD QTR</u>	<u>4TH QTR</u>	<u>TOTAL</u>
<b>SECURITY CLEARANCES GRANTED</b>					
FY 1970	48	64	25	27	164
FY 1969	31	40	78	106	255
<b>DOSSIER REVIEWS</b>					
FY 1970	32	78	23	15	148
FY 1969	11	32	12	22	77
<b>SMI INSPECTIONS</b>					
FY 1970	35	28	36	26	125
FY 1969	30	32	35	38	135

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ROCKY MOUNTAIN ARSENAL

PHYSICAL SECURITY ACTIVITIES

	<u>1ST QTR</u>	<u>2ND QTR</u>	<u>3RD QTR</u>	<u>4TH QTR</u>	<u>TOTAL</u>
<b>VISITORS</b>					
FY 1970	17,506	12,608	13,308	24,400	67,822
FY 1969	15,402	14,447	14,227	16,182	60,258
<b>SECURITY BADGES ISSUED</b>					
FY 1970	161	117	56	241	575
FY 1969	134	80	1,784	121	2,119
<b>IDENTIFICATION PICTURES</b>					
FY 1970	611	339	779	413	2,147
FY 1969	507	332	2,124	845	3,808
<b>FINGERPRINT CARDS</b>					
FY 1970	139	79	138	104	460
FY 1969	83	114	115	155	467

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