

COL. PICKOFF

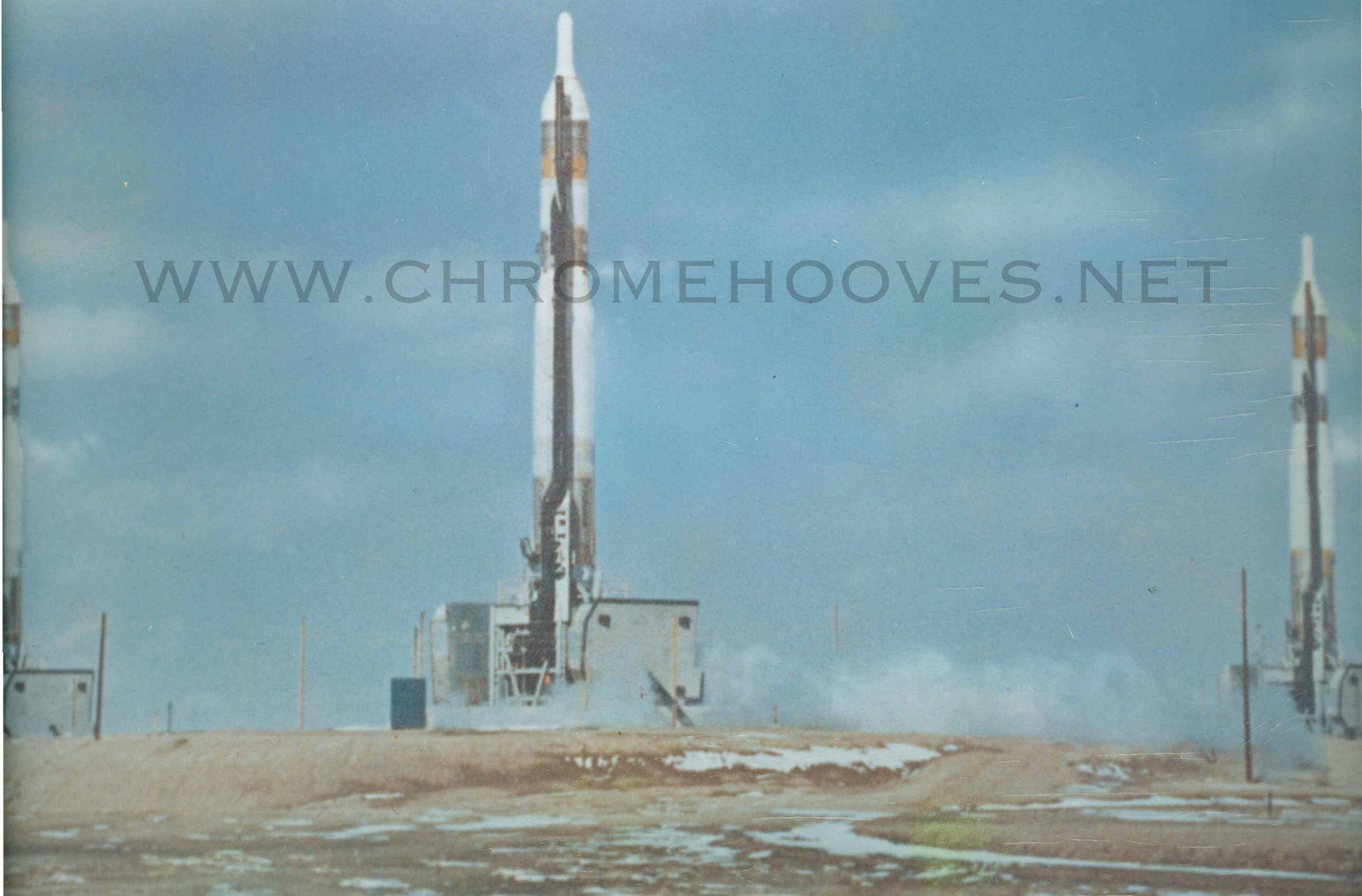
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451st STRATEGIC MISSILE WING OUTSTANDING MISSILE UNIT

1963

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COL. PICKOFF

64/012

451ST STRAT MISSILE WING STAFF



SEATED LEFT TO RIGHT: COL CARLETON V. HANSEN, DCO; COL JULIUS PICKOFF, COMDR; COL ROBERT D. CUMMINGS, DCM
STANDING LEFT TO RIGHT: LTCOL GEORGE D. TIMMS, HQ SQ SEC COMDR; MAJ JULIUS W. STIFFT, SSAPO; LTCOL ERNEST W. JOHANSEN, DE; LTCOL HERBERT L. ROSS, DP; COL JAY J. TAYLOR, 724SMS COMDR; COL DONALD W. JOHNSON, VICE COMDR; LTCOL WILLIAM M. MARTIN, IXO; COL HAROLD F. KORGER, 725SMS COMDR; LTCOL HOWARD G. LIGHTFOOT, DCR; MAJ HAZEL B. LANGDON, CAS; LTCOL LAWRENCE E. GODLEY, MIMS COMDR

7 JAN 1964
SUBJECT: Recommendation for the award of the Colonel Lee R. Williams Memorial Missile Trophy

TO: 8AF (C)

1. Recommend the following organization be awarded the Colonel Lee R. Williams memorial missile trophy.

451ST STRATEGIC MISSILE WING (ICBM-TITAN) (SAC), LOWRY AIR FORCE BASE, COLORADO

2. The 451st Strategic Missile Wing is composed of two tactical missile squadrons (724th and 725th), the 451st Missile Maintenance Squadron, and the 451st Headquarters Squadron Section. Each of the tactical missile squadrons has three dispersed sites with three missiles at each location for a total of 18 Titan I Missiles on continuous alert. The distance of the sites east of Lowry Air Force Base ranges from 15 to 55 miles.

3. The 451st Strategic Missile Wing was the first operational Titan I unit in the Strategic Air Command. From its inception in September 1958 the wing has consistently been a leader in achievement and in operational advancement of all Titan units.

4. The first Titan I missile site was accepted by the Strategic Air Command on 18 April 1962. The remaining five sites were accepted during the month of May 1962 and the wing has been combat ready since that time.

5. An example of the outstanding professional standards, training, and capability of this wing is the accomplishment of 160 liquid oxygen propellant loading exercises in 1963. This is an average of more than three LOX exercises per week. To perform this outstanding feat required the hazardous task of handling and delivering 1,740,460 gallons of liquid oxygen, 1512,624 gallons of liquid nitrogen, 5,495,250 cubic feet helium, 4,866,715 gallons of diesel fuel, 324,000 pounds of sodium hydroxide, 106,560 pounds of freon, 180,000 gallons of diesel lube oil, as well as large quantities of sulfuric acid, tricresylphosphate, and trichloroethylene. All of this activity took place without a single major accident or incident.

6. Another outstanding performance is the almost unbelievable record in the safety area. A million and one-half miles have been driven without a single major accident or disabling injury, and with a minor vehicle accident rate of .0013 accident per 10,000 miles of vehicle travel. The Re-entry Vehicle Branch accomplished 69 mates and demates of re-entry vehicles on sites and 157 training mates and de-mates without an incident.

7. One of the heights of accomplishment during the year was the actual Titan I launch at Vandenberg Air Force Base by wing personnel. In addition to the many records which were broken by the launch crew, this particular launch had the distinction of being the most accurate missile ever fired at Vandenberg Air Force Base by SAC Missile Crews. As reported by the missile range scoring officials, the re-entry vehicle landed right in the "Pickle Barrel."

8. Many other outstanding accomplishments of this missile wing are described in the following supporting data.


JULIUS PICKOFF, COLONEL, USAF
COMMANDER

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DOWNGRADED AT 3 YEAR INTERVALS

PROJECT "FAST RIDE"
VANDENBERG AFB 14 NOV 1963



CREW S31 451st SMW

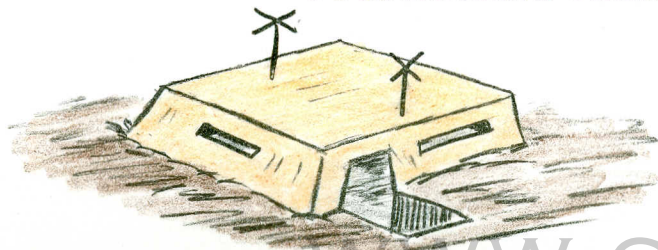
THE OUTSTANDING TRAINING AND CAPABILITY OF THE 451ST STRATEGIC MISSILE WING WAS FURTHER DEMONSTRATED BY THE SUCCESSFUL LAUNCH OF A TITAN I MISSILE FROM VANDENBERG AIR FORCE BASE, CALIFORNIA.

FOR OPERATION "FAST RIDE", THE 451ST STRATEGIC MISSILE WING PROVIDED THE TASK FORCE COMMANDER, TWO SENIOR COMBAT READY LAUNCH CREWS, A MAINTENANCE OFFICER AND SEVENTEEN MAINTENANCE PERSONNEL.

THE INSTALLATION AND CHECKOUT OF THE MISSILE WAS ACCOMPLISHED BY THE 451ST STRATEGIC MISSILE WING MAINTENANCE PERSONNEL AND COMPLETED IN RECORD TIME.

THE MISSILE LAUNCH CREWS COMPLETED OPERATIONAL CHECKS IN PREPARATION FOR THE LAUNCH AND MAINTAINED A TWENTY-FOUR HOUR VIGIL AWAITING THE EXECUTION MESSAGE. OPERATION "FAST RIDE" WAS EXECUTED IN THE EARLY MORNING HOURS OF 14 NOVEMBER 1963. THE LAUNCH WAS ACCOMPLISHED IN A MINIMUM OF TIME AND THE CIRCULAR ERROR WAS THE BEST EVER ATTAINED DURING A TITAN I COMBAT TRAINING LAUNCH.

THE OUTSTANDING SUCCESS OF THIS MISSION DEMONSTRATES THE CAPABILITY AND PROFESSIONALISM OF THE MAINTENANCE AND LAUNCH CREW PERSONNEL OF THE 451ST STRATEGIC MISSILE WING. THE LETTER OF COMMENDATION ON THE SUCCESS OF THE MISSION FROM LIEUTENANT GENERAL NAZZARO, COMMANDER, EIGHTH AIR FORCE, CULMINATES AN OUTSTANDING YEAR FOR THE 451ST STRATEGIC MISSILE WING.



CREW S-31-OUTSTANDING CREW-1963

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L to R: LT COL F. J. MALKIEWICZ, MCCC; LT COL J. R. BELL, JR., DMCCC; CMSGT M. SMITH, BMAT;
TSGT R. N. CROFUT, MMT; TSGT W. R. REID, EPPT; SSGT J. E. DEMPSEY, EPPS

SAC CONFERENCE

LOWRY AFB, OCT 1963

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REWRITE SACM 50-14 & 50-16

MAJOR MILESTONE

IN 1963

IN OCTOBER A SAC WIDE CONFERENCE ON UP-DATING SACM 50-14, COMBAT CREW MISSILE STANDARDIZATION AND EVALUATION, AND SACM 50-16, COMBAT READINESS TRAINING FOR BALLISTIC MISSILE UNITS AND CREWS WAS HELD AT LOWRY AFB, WITH THE 451ST SMW DCO AS HOST PROJECT OFFICE.

THE CONFERENCE WAS NECESSARY AS THE MANUALS WERE WRITTEN PRIOR TO ANY PRACTICAL EXPERIENCE, AND DUE TO THE MANY MODIFICATIONS ADDED TO THE TITAN I WEAPON SYSTEM.

IN PREPARATION FOR THIS CONFERENCE, THE 451ST OPERATIONS STAFF REWROTE SACM 50-14 AND 50-16 PRIOR TO THE CONFERENCE AND ALSO PREPARED A LIST OF ALL MAINTENANCE TASKS THAT COULD BE PERFORMED BY MISSILE COMBAT CREWS.

COPIES OF THESE REVISIONS WERE HANDED TO EACH OF THE 55 CONFEREES AS THEY ARRIVED FOR THE CONFERENCE. THESE RECOMMENDATIONS WERE LARGELY ACCEPTED AND SERVED AS EXCELLENT GUIDES FOR THE CONFEREES FROM OTHER TYPE MISSILE UNITS IN THEIR PREPARATION OF CHAPTERS COVERING THEIR TYPE MISSILES.

COL VOGLER, THE CHAIRMAN OF THE CONFERENCE, STATED THAT THIS PRE-CONFERENCE PREPARATION MADE IT POSSIBLE FOR THE CONFEREES TO COMPLETE THEIR WORK IN FAR LESS TIME THAN WAS OTHERWISE POSSIBLE.



L to R: COL JAMES B. VOGLER, JR., SAC DOTM; LTCOL RALPH H. DOWELL, JR., 2AF; LTCOL JOHN K. SMILLIE, 8AF; LT COL JACK S. NEAL, 3901SMES; MAJ JAMES K. JEE, 15AF, AND LTCOL AARON R. FERNLEY, 1ST STRATAERODIV.

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CONTROL DIVISION

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THE FIRST TITANI COMMAND POST IN SAC.

THE IG INSPECTION REPORT OF MAY 1963 STATES, "THE APPEARANCE AND PHYSICAL ARRANGEMENT OF THE COMMAND POST ARE OUTSTANDING. THIS COMMAND POST COULD BE USED AS A MODEL FOR OTHER MISSILE UNITS."

REDESIGNED WITH IMAGINATION, INGENUITY, AND ORIGINALITY, THE COMPLETED PRODUCT WAS VERY GRATIFYING. THE REDESIGN PROVIDED NEW CONSOLES AND COMMUNICATIONS, CONSOLIDATION OF EQUIPMENT FOR MORE EFFICIENT USE, RECONFIGURATION OF THE BATTLE STAFF AREA, AND IMPROVED COMMUNICATION FOR THE BATTLE STAFF.

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AS A RESULT OF THE SAC ORI CONDUCTED IN MAY 1963, THE CONTROL DIVISION TRAINING PROGRAM FOR MISSILE COMBAT CREWS AND STAFF WAS RATED EXCELLENT TO OUTSTANDING.

QUOTES FROM THE IG REPORT:

"THE AVERAGE SCORE ON THE WRITTEN (CREW) EXAMINATION WAS 98.1%."

"CONTROLLER KNOWLEDGE OF LAUNCH AND EXECUTION IS OUTSTANDING."

"THE OUTSTANDING RESULTS OF EXAMINATION ADMINISTERED TO POSITIVE CONTROL CUSTODIANS ARE INDICATIVE OF COMMAND INTEREST IN THIS AREA."

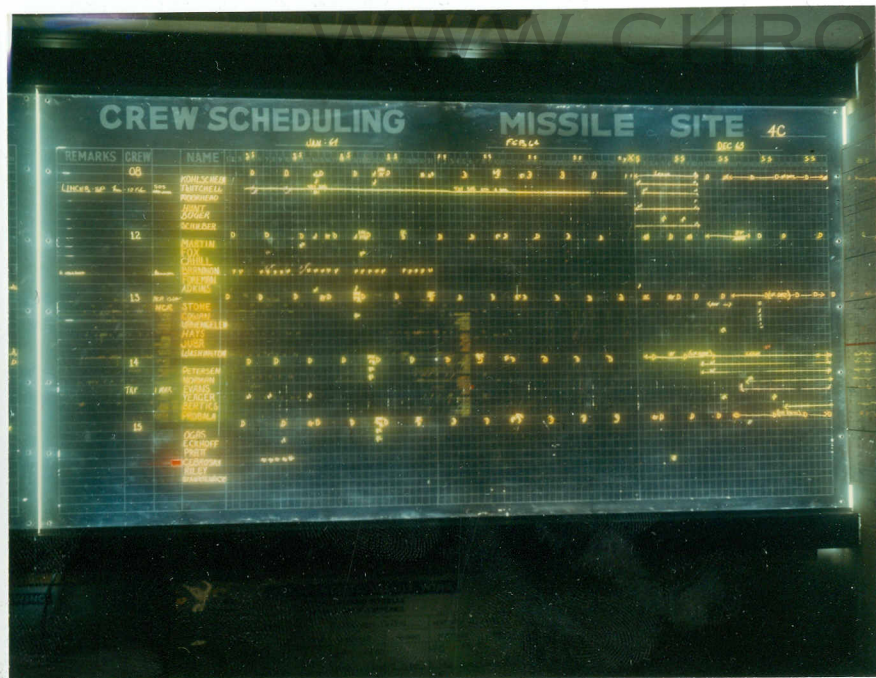
CREW AND CONTROLLER CHECKLISTS REVIEWED AND FOUND FREE OF ERRORS. 8TH AF MESSAGE QUOTED IN PART:

"THIS HEADQUARTERS RECOGNIZES THE EFFORT EXPENDED BY THE UNIT TO ACHIEVE THIS STANDARD OF EXCELLENCE."



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CREW SCHEDULING BRANCH



"EDGED LIGHT" SCHEDULING BOARD SHOWN ABOVE DISPLAYS CREW SCHEDULES FOR 90 DAYS.

THE SCHEDULING FACILITIES ESTABLISHED WITHIN THE TRAINING DIVISION WERE COMMENTED ON BY THE INSPECTOR GENERAL DURING THE LAST HQ SAC ORI AS BEING THE BEST THEY HAD SEEN IN THEIR INSPECTIONS OF MISSILE UNITS. UNITS THAT HAD PREVIOUSLY BEEN INSPECTED WERE DIRECTED TO VISIT THIS WING AND PATTERN THEIR SCHEDULING FACILITIES AND PROCEDURES AFTER THOSE USED HERE.

SEVEN DIFFERENT ICBM UNITS HAVE ADOPTED THE 451ST SMW SCHEDULING PROCEDURES AS A RESULT OF "CROSS TALK" CONFERENCES.

THE SCHEDULING EFFECTIVENESS OF THE UNIT HAS RESULTED IN 100% MANNING OF THE ALERT SITES THROUGHOUT THE YEAR WITH NO "OFF ALERT" TIME DUE TO MANNING.

STANDARDIZATION DIV

CREW S-31, IN COOPERATION WITH MARTIN COMPANY AND THE 3901ST SMES, WROTE THE ENTIRE SM68-1 DURING A MONTH'S TDY AT THE MARTIN COMPANY OFFICE IN DENVER, COLORADO. CREW S-31 IS RECOGNIZED THROUGHOUT ALL TITAN UNITS AS THE EXPERTS ON THE TITAN I.

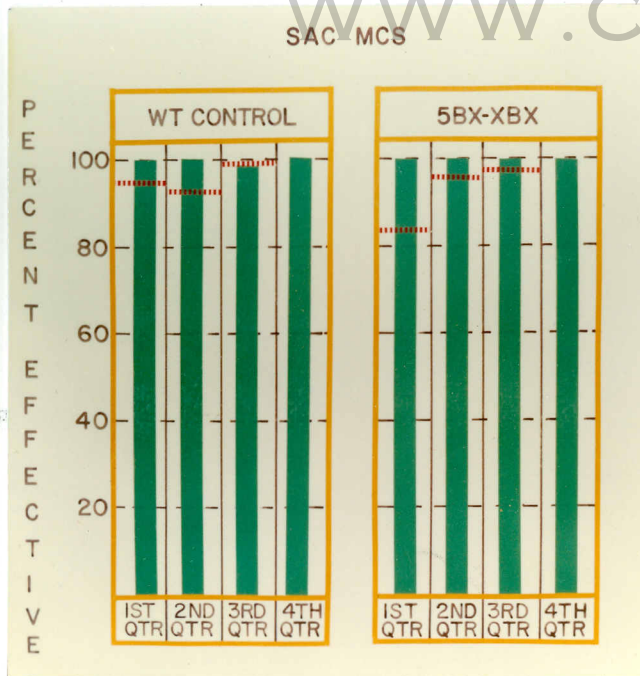
ALL CHANGES TO THE TITAN I CHECKLISTS SUBMITTED BY ALL OF THE TITAN UNITS TO THE DENVER MARTIN COMPANY FOR APPROVAL AND PUBLICATION WERE FIRST VERIFIED IN OUR MISSILE SITES BY THE WING STANDARDIZATION DIVISION.



THE 451ST STANDARDIZATION DIVISION WAS RATED EXCELLENT BY THE SAC IG DURING THE ORI IN MAY 1963.

THE STANDARDIZATION CREWS SUPERVISED OR EVALUATED OUR MISSILE COMBAT CREWS DURING 160 PROPELLANT LOADING EXERCISES.

GROUND TRAINING



MISSILE TRAINING

THE SAC IG INSPECTORS COMMENTED "THE MOST OUTSTANDING RESULTS WE HAVE OBSERVED", AFTER THEY HAD EXAMINED OUR COMBAT MISSILE CREWS IN EMERGENCY PROCEDURES.

100% OF THE CREWS PASSED THE EXAMINATION WITH AN AVERAGE SCORE OF 97%.

THIS WING DEVELOPED A PHASE III ORT TO SUPPORT TITAN I UNITS FOR THIS PHASE OF TRAINING. ALL DOWNSTREAM TITAN I UNITS INITIATED THIS WING'S PHASE III ORT PROGRAM IN THEIR OWN UNITS.

THIS WING GRADUATED AND UPGRADED TO COMBAT READY 57 CREW MEMBERS FROM OUR PHASE III ORT.

THE WING SCORED 100% IN EVERY QUARTER IN THE MCS RATING SYSTEM FOR UPGRADE TRAINING AND RECURRING TRAINING.

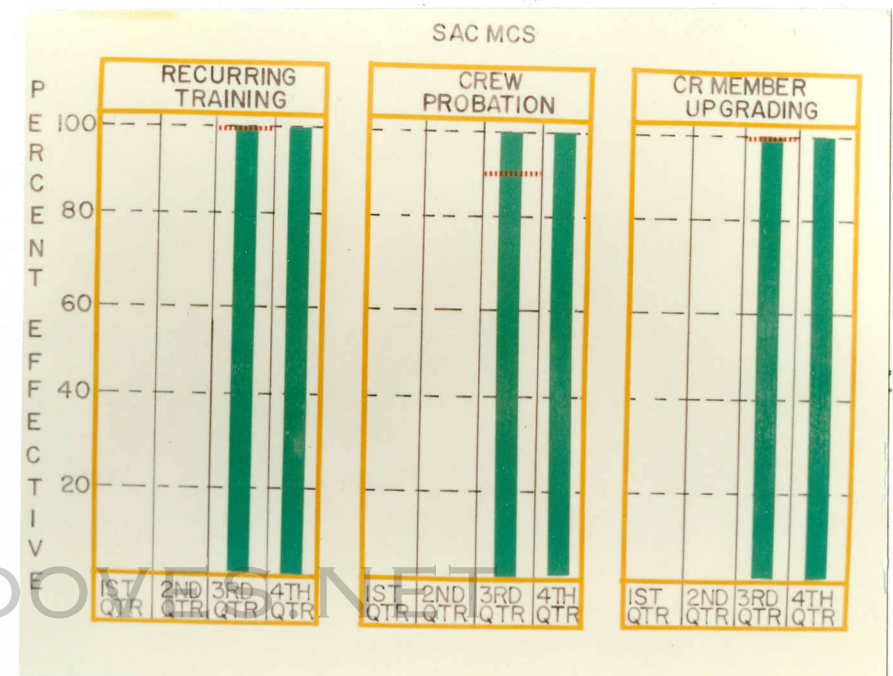
5BX TRAINING AND TESTING - 100% ENTIRE YEAR

WEIGHT CONTROL - 100% THREE QUARTERS, 98% ONE QUARTER.

BOTH PROGRAMS EVALUATED AS OUTSTANDING AFTER NO-NOTICE TESTING BY THE 13TH STRATEGIC MISSILE DIVISION AND EIGHTH AIR FORCE.

ALL 30 CREWS TESTED AND EVALUATED ON "BROKEN ARROW" EXERCISES AT THE SITES CONDUCTED UNDER SECURITY READINESS EXERCISE CRITERIA.

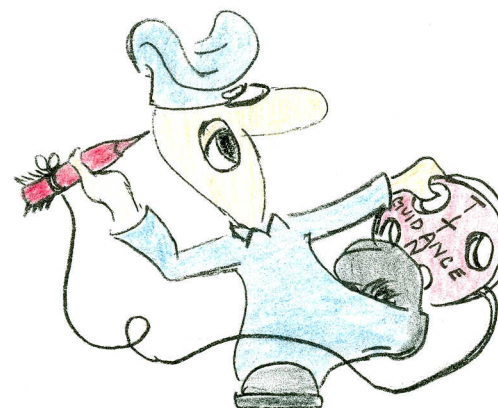
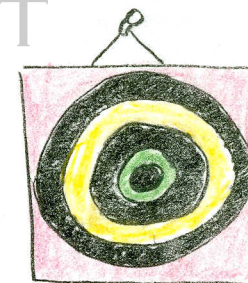
"CROSS TALK" TEAMS FROM SEVEN OTHER MISSILE UNITS HAVE ADOPTED MOST OF THE PROCEDURES IN EFFECT IN THIS WING.



PLANS & INTELLIGENCE DIVISION

AS THE FIRST TITAN I OPERATIONAL UNIT, THIS ORGANIZATION PIONEERED DEVELOPMENT OF MISSILE SITE OPERATING PROCEDURES. THESE PROCEDURES HAVE BEEN PUBLISHED AS OPERATING PLANS AND REQUESTED BY OTHER UNITS FOR DEVELOPING SIMILAR PROCEDURES. ADDITIONALLY, THESE PROCEDURES HAVE BEEN INCORPORATED IN DASH ONE TECHNICAL ORDERS AND USED BY ALL TITAN I UNITS.

EXPANDED EWO CAPABILITY RESULTED IN 1963 THROUGH USE OF IMPROVED TARGET MATERIALS. HANDLING PROCEDURES FOR THESE TARGET MATERIALS WERE FIRST DEVELOPED BY THIS UNIT AND ARE INCLUDED IN SACMS.



PROCEDURES AND ADMINISTRATION OF SENSITIVE SAC CONTROL DOCUMENTS RECEIVED OUTSTANDING COMMENT DURING 1963. THE INSPECTOR GENERAL NOTED ACTIONS IN THIS AREA DURING THE MAY 1963 ORI BY STATING, "THE OUTSTANDING RESULTS OF EXAMINATIONS ADMINISTERED TO POSITIVE CONTROL CUSTODIANS IS INDICATIVE OF COMMAND EMPHASIS ON THIS AREA." FURTHER, NUMBERED AIR FORCE PERSONNEL CONDUCTING AN INSPECTION DURING OCTOBER 1963 STATED: "IT IS EXTREMELY GRATIFYING TO FIND AN OPERATIONAL UNIT IN WHICH THE KNOWLEDGE, CONTROL AND SENSE OF RESPONSIBILITY IS SO HIGH WITH REGARD TO THESE SENSITIVE DOCUMENTS."

MAINTENANCE CONTROL

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JOB CONTROL AND GRAPHIC DISPLAYS HAVE BECOME THE STANDARD OF EXCELLENCE OVER THE ENTIRE ICBM FORCE AND HAVE BEEN ADOPTED BY MANY OTHER MISSILE UNITS.



PLANNED & CONTROLLED 160 PLX'S
COMPLETED 1450 TCTO'S - 5800 MANHOURS
WORK ORDER BACKLOG REDUCED BY 68%



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HIGHEST IN-COMMISSION RATE OF ALL ICBM ORGANIZATIONS

MATERIEL CONTROL

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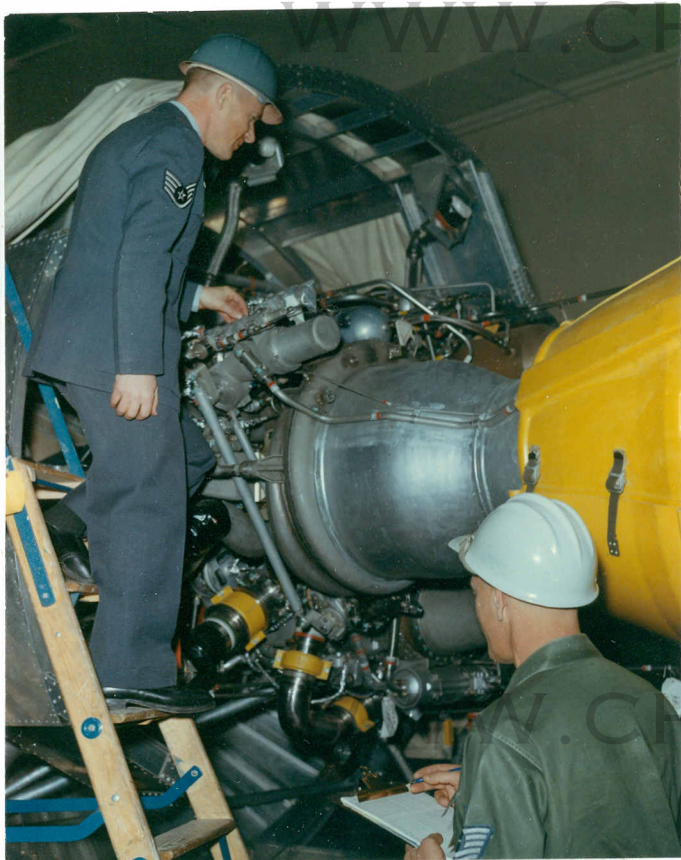
IN CONJUNCTION WITH THE HOST BASE, A COMPLETE REVIEW OF BENCH STOCK DATA WAS CONDUCTED. RECORDS WERE RESEARCHED, PROBLEM AREAS ELIMINATED, EXCESSES PURGED AND AN OVERALL CLEAN-UP CONDUCTED. THE END RESULT WAS AN INCREASE IN WEAPONS SYSTEM BENCH STOCK OF 29% TO A HIGH OF 94% EFFECTIVENESS.

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THE 451ST SMWG IN CONJUNCTION WITH THE AIR TRAINING COMMAND CONDUCTED A LENGTHY SYMPOSIUM TO ELIMINATE THE PROBLEM OF OBTAINING SUPPLIES ON MODIFIED EQUIPMENT CONSTANTLY CHANGING IN A NEW WEAPON SYSTEM. APPROXIMATELY 5000 LINE ITEMS WERE REVIEWED, UPDATED, ADJUSTED AND ACTION TAKEN ON THOSE PREVIOUSLY OMITTED. THIS PROJECT IMPROVED SUPPLY SUPPORT TO SUCH AN EXTENT THAT THE PROPOSAL WAS PRESENTED TO HQ SAC FOR POSSIBLE ADOPTION AT ALL TITAN I ORGANIZATIONS.

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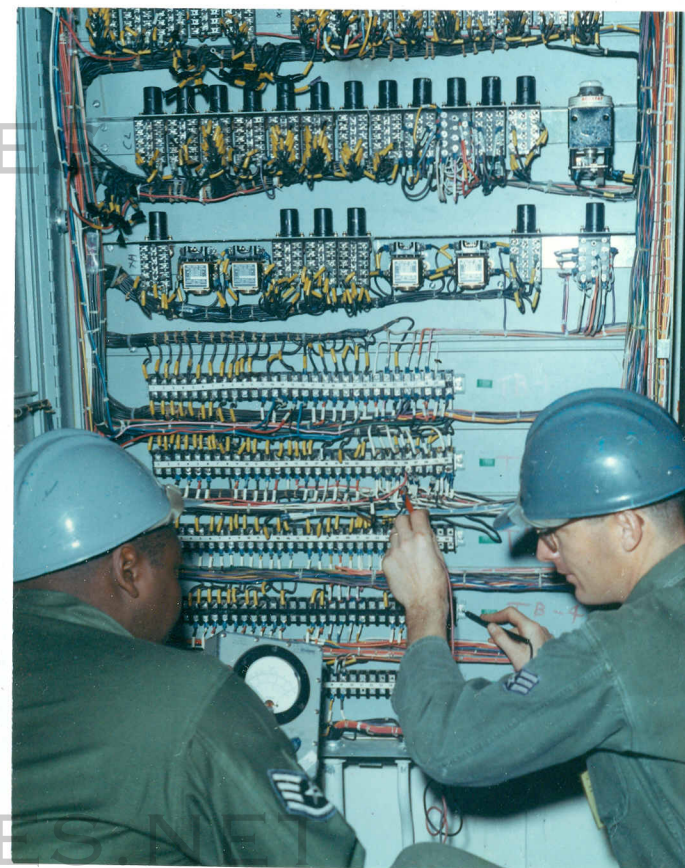
1963 ACCOMPLISHMENT

- 58 - LOX ONLY EXERCISES MONITORED
- 33 - 180 DAY INSPECTIONS
- 30 - 90 DAY INSPECTIONS
- 209 - SPECIAL INSPECTIONS
- 2867 - PERSONNEL EVALUATIONS

DEVELOPED AN AGGRESSIVE AFTO FORM 22 PROGRAM AND UNSATISFACTORY REPORTING SYSTEM.

THE PRODUCT IMPROVEMENT PROGRAM WAS RATED EXCELLENT DURING A 3901 STRATEGIC MISSILE EVALUATION SQUADRON INSPECTION IN AUGUST 1963.

A RECENT 8AF STAFF VISIT REPORT INDICATES THE QC&E TASK EVALUATION AND TECHNICIAN VALIDATION TESTING PROGRAM OUTSTANDING.



MAINTENANCE TRAINING

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THREE AUDIO VISUAL PROGRAMS WERE DEVELOPED BY THE 451ST SMW. RECEIVED THE HIGHEST RATING GIVEN BY THE 3901ST SMES.

A SERIOUS TRAINING PROGRAM DEFICIENCY REPORTED TO THE ATC TRAVELING TEAMS BY ANOTHER TITAN I UNIT WAS ALLEVIATED WHEN THIS WING DEVELOPED THE AUDIO VISUAL PROGRAM ON "GAS AND LOX ANALYZERS."

EIGHTEEN THOUSAND HOURS OF TRAINING WERE COMPLETED IN 1963.

2400 INDIVIDUAL JOTS TESTS, 110,000 QUESTIONS, WERE ADMINISTERED AND CRITIQUED BY TRAINING CONTROL DIVISION. ALL TESTS WERE VALIDATED BY 451ST SMW QC&E PERSONNEL.

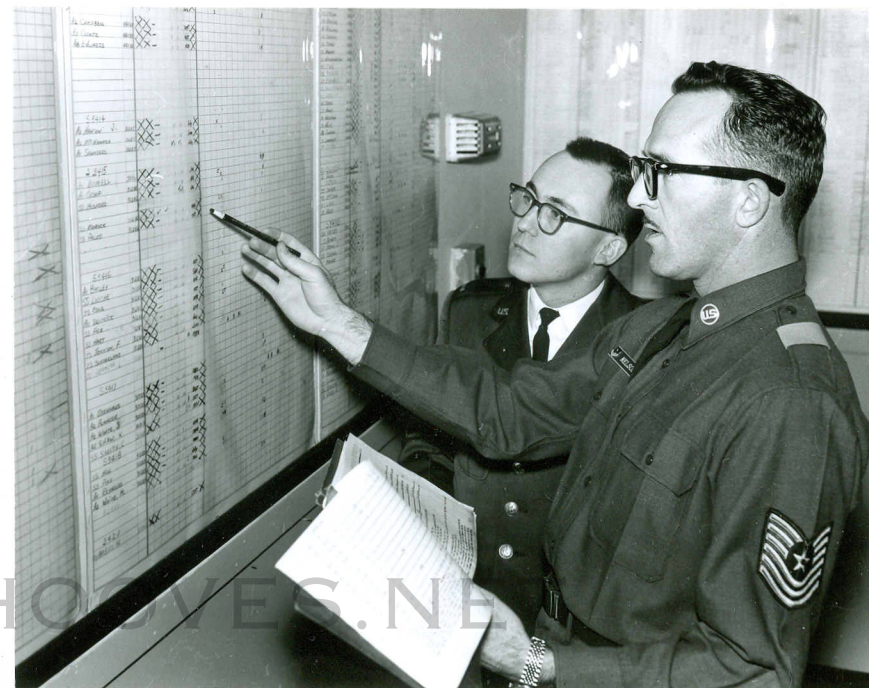
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THE 451ST SMW DEVELOPED THE ENTIRE JOTS PROGRAM FOR TITAN I MAINTENANCE AFSC'S THROUGHOUT SAC.

UPDATING, REWRITING AND EVALUATING THESE JOTS PACKAGES WAS COMPLETED IN LESS THAN 90 DAYS.

MAJOR GENERAL J. W. WILSON, DIRECTOR OF MATERIEL, HQ SAC, COMMENDED THE WING FOR THIS OUTSTANDING PERFORMANCE.

MAINTENANCE TRAINING EFFECTIVENESS HAS AVERAGED 96% FOR THE ENTIRE YEAR. THIS WING RECEIVED THE HIGHEST RATING EVER REPORTED TO HQ SAC BY THE 3901ST SMES IN JULY 1963.



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THE ENTIRE MAINTENANCE EFFORT PAYS OFF AT THE SITES

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190,000 MANHOURS UTILIZED IN DIRECT LABOR.

THE PAYOFF - THE HIGHEST RELIABILITY RATE OF ALL ICBM UNITS.

AVERAGED THREE PLX'S FOR EACH FIVE WORK DAYS ALL YEAR.

160 PLX'S PRODUCED

NO OTHER ICBM UNIT CAN MATCH THIS.

AN OUTSTANDING 89% OF ALL SITE MAINTENANCE WAS SCHEDULED.

1.74 MILLION GALLONS OF LIQUID OXYGEN.

1.5 MILLION GALLONS OF LIQUID NITROGEN.

5.5 MILLION CUBIC FEET HELIUM.

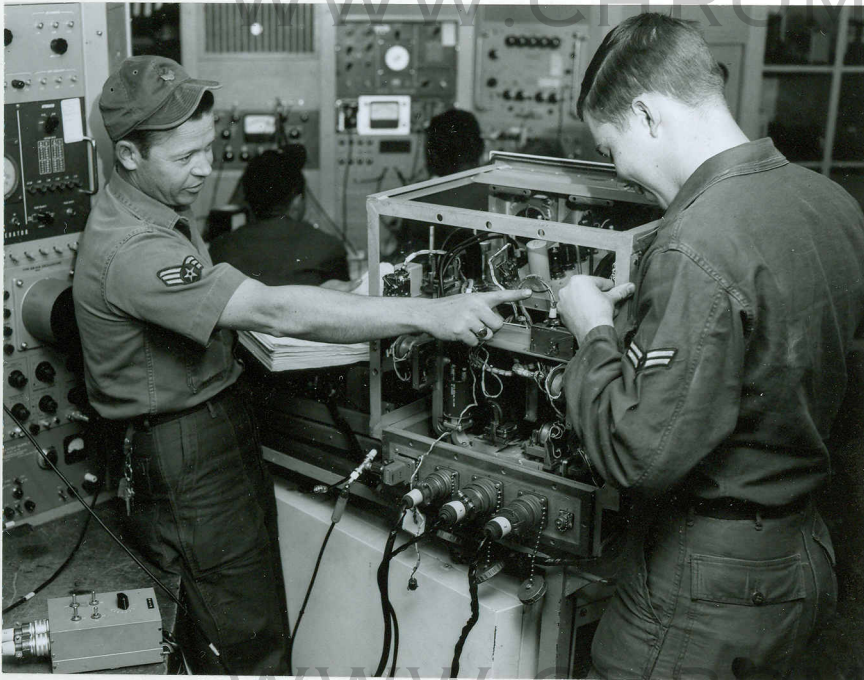
ALL SERVICING WAS SCHEDULED UNFORTUNATELY THE WEATHER WAS NOT.



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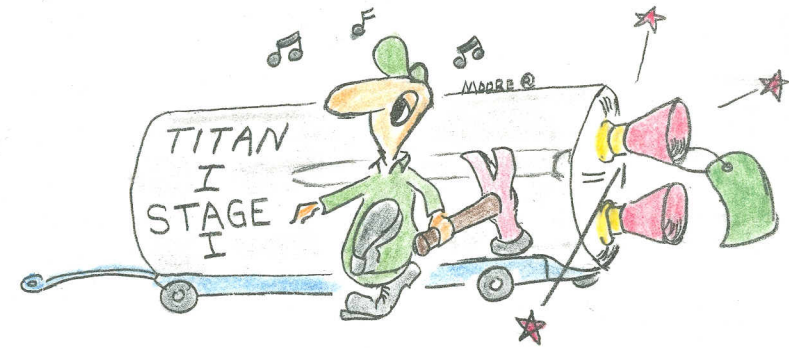
MISSILE MAINTENANCE SHOPS

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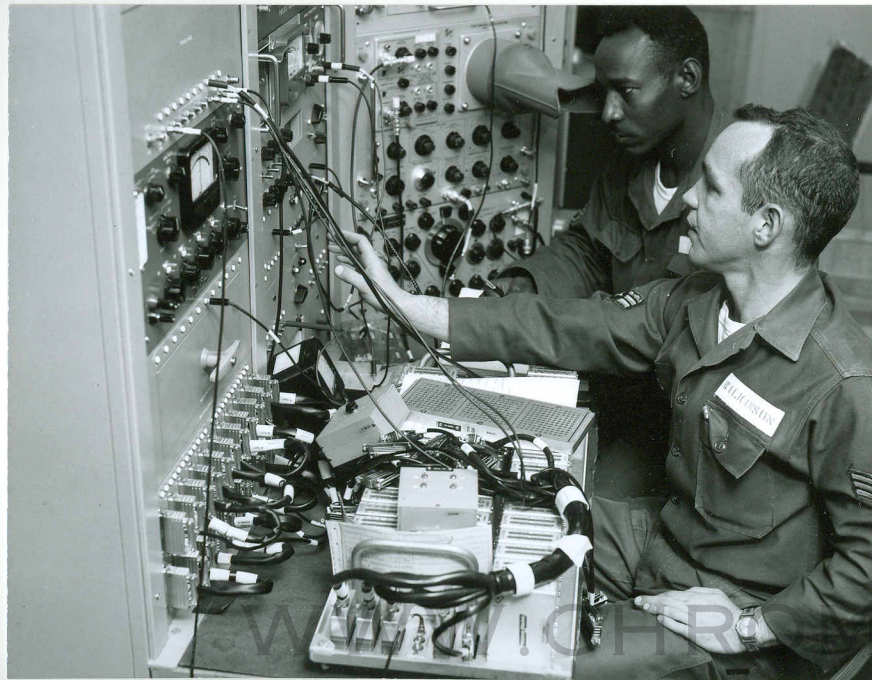


IT TAKES A LOT OF IN-SHOP MAINTENANCE TO SUPPORT THE ACTIVITIES AT THE SITE.

4,000 SPARE PARTS PROCESSED, 25% OF THESE REPAIRED. OVER 17,000 MANHOURS OF HIGHLY SKILLED DIRECT LABOR PRODUCED.



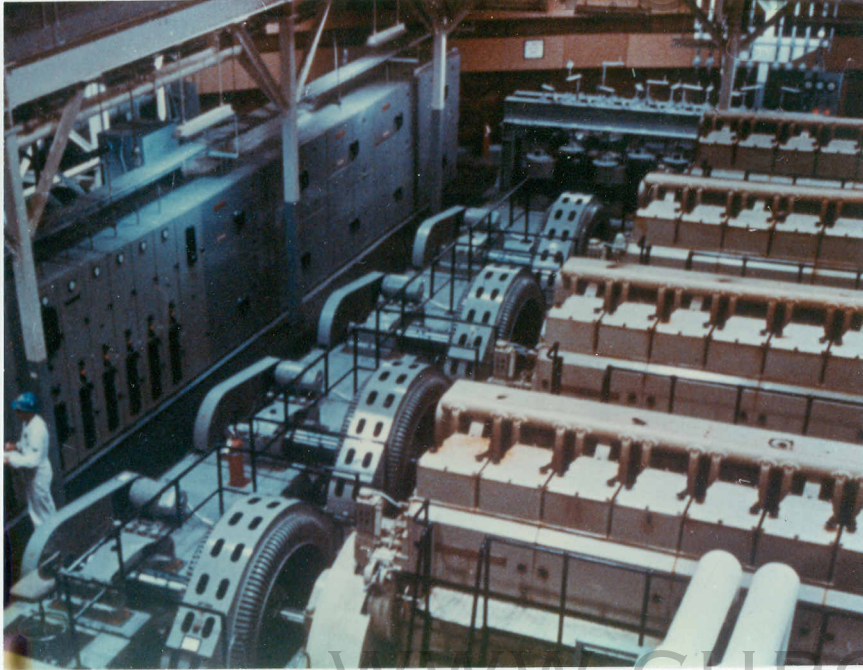
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SITE MAINTENANCE

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PERSONNEL OF THE 451ST SMW OPERATED AND MAINTAINED SIX OF THE MOST COMPLEX SITE POWERHOUSES IN THE MISSILE BUSINESS 24 HOURS A DAY, EVERY DAY OF THE YEAR. CONTINUOUS OPERATION MEANS CONTINUOUS MAINTENANCE.

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THE 451ST PIONEERED A CORROSION CONTROL PROGRAM THAT HAS BECOME THE MODEL FOR OTHER MISSILE UNITS.

WHEN THE MAINTENANCE TASK IS TOO BIG FOR SITE PERSONNEL THE MAMS SHOPS PROVIDE A 24-HOUR DISPATCH CAPABILITY.



R/V BRANCH

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THE RV BRANCH HOSTED A NUCLEAR WEAPONS SAFETY GROUP CONFERENCE CONDUCTED BY THE DIRECTOR, NUCLEAR SAFETY, HQ USAF, IN SEPTEMBER. A LETTER OF COMMENDATION RECEIVED BY THE WING FROM USAF CITED THE OUTSTANDING CONTRIBUTION BY THE RV BRANCH IN CONDUCTING THE OPERATIONAL REVIEW OF THE MARK IV REENTRY VEHICLE IN AREAS OF MAINTENANCE AND NUCLEAR SAFETY.



157 TRAINING AND 69 LIVE MATES/DEMATES FOR TOTAL OF 226 ACCOMPLISHED WITHOUT INCIDENT.

ANALYSIS OF THE AIRBURST SWITCH A COMPONENT OF THE ARMING AND FUZING PACKAGE, RESULTED IN MK IV R/V PROCEDURAL CHANGES WHICH HAVE SAVED THE AIR FORCE THOUSANDS OF DOLLARS ANNUALLY.

A FOUR LEGGED SLING FOR USE WITH WORK PLATFORMS, MANUFACTURED BY THIS BRANCH, WAS ADOPTED BY SAC FOR USE BY ALL TITAN I UNITS.

THE 451ST WAS THE SUBJECT OF A STORY ON R/V MISSILE OPERATIONS WHICH RECEIVED NATIONAL PRESS DISSEMINATION AND WAS INCLUDED IN THE DECEMBER ISSUE OF THE AIRMAN MAGAZINE.



YOU ARE SAFER IN THE 451ST - THAN AT HOME

THE SAFETY RECORD OF THE 451ST STRATEGIC MISSILE WING IS SO OUTSTANDING THAT IT IS HARD TO BELIEVE. THIS IS ESPECIALLY TRUE IN VIEW OF THE 1,458,667 MILES DRIVEN ON ALL KINDS OF ROADS AND IN ALL KINDS OF WEATHER AND THE ENVIRONMENT IN WHICH OUR MEN WORKED, OFTEN 24 HOURS AT A TIME. PRESSURES OF 6000 PSI, TEMPERATURES OF MINUS 324 F AND THE CONSTANT DANGER OF NITROGEN AND OXYGEN LEAKS ARE JUST SOME OF THE HAZARDS OUR MEN WORK WITH CONSTANTLY.

THE FOLLOWING "FOLD-OUT PAGE SHOWING A CUT-AWAY DRAWING OF A MISSILE SILO GRAPHICALLY PORTRAYS THE INHERENT DANGERS OF FALLS AND INJURY FROM COMPLEX LAUNCH EQUIPMENT. EVERY MAN IN BRIEFED ON SAFETY BEFORE EACH AND EVERY JOB AND THE WING STRICTLY ADHERES TO THE "BUDDY SYSTEM".

THE FOLLOWING ARE SOME OF THE SPECIFIC SAFETY ACCOMPLISHMENTS ACHIEVED BY THE WING IN 1963:

"ZERO" FORMAL ACCIDENT/INCIDENT MISSILE REPORTS.

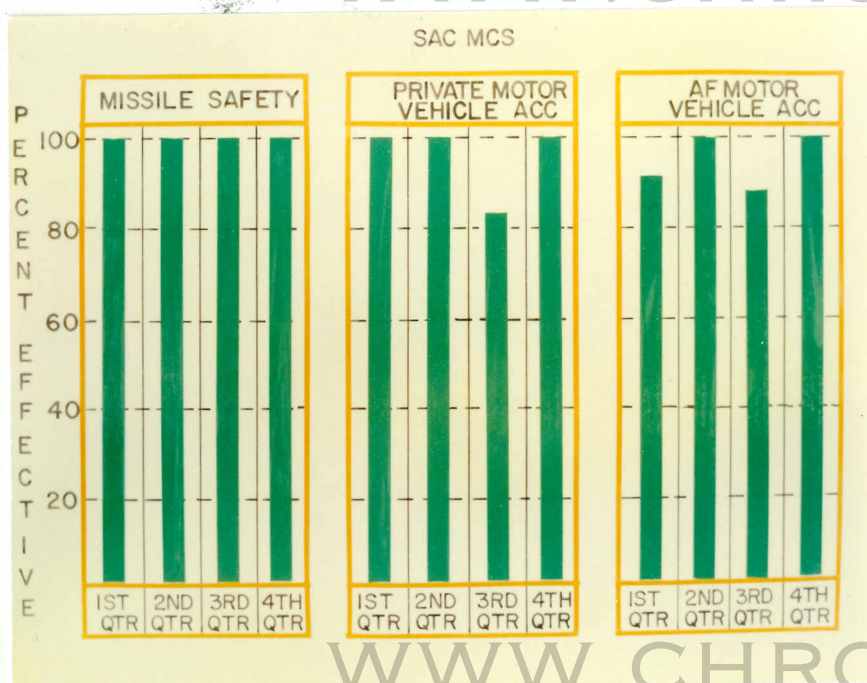
"ZERO" FORMAL ACCIDENT/INCIDENT NUCLEAR REPORTS.

GROUND ACCIDENT COST PER CAPITA IS 59% BELOW THE FORECASTED SAC AVERAGE.

RECIPIENT OF THE NATIONAL SAFETY COUNCIL "AWARD OF MERIT" FOR REDUCTION OF GROUND ACCIDENTS.

THE WING HAS BEEN NOMINATED FOR THE USAF ANNUAL MISSILE SAFETY AWARD FOR 1963.

SPONSORED A PROGRAM THAT RESULTED IN INSTALLATION OF SEAT BELTS IN NEARLY ALL PRIVATE VEHICLES OF WING PERSONNEL.



DIRECTORATE OF INFORMATION

This Week
MAGAZINE

The Sunday Bulletin
PHILADELPHIA

EXCLUSIVE!

Inside A Titan Missile Base

First picture tour of a new ICBM fort—armed, manned and ready. Meet the modern GI who keeps America's "power for peace" on the alert 160 feet underground . . . Page 4

Big Boom in Store
Window Damages
by Leslie Lieber . . . Page 5

A New Auto-Licensed
by Automobile Editor
Ralph Stein . . . Page 12

How To Build A Family
Furniture Dealer Kreser gives
12 steps for "non-millionaire"
estate planners . . . Page 14



SUNDAY SUPPLEMENT
13, 000, 000 CIRCULATION

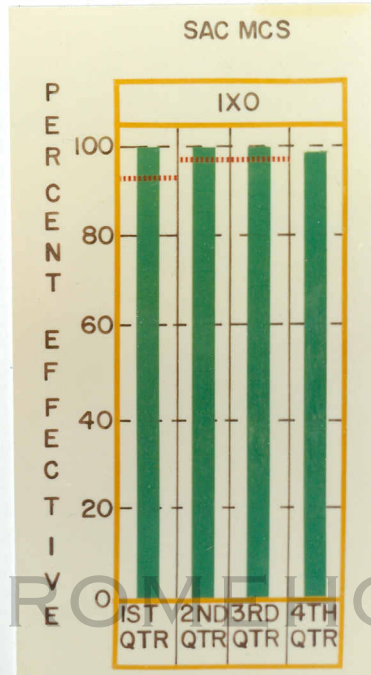


WING IXO RATED 99.3 UNDER SAC MCS. IN THE FIRST AND THIRD QUARTERS, IXO WAS RATED NUMBER ONE IN SAC AGAINST SEVENTY-TWO (72) OTHER INFORMATION OFFICES.

RATED 100% IN EXTERNAL AND INTERNAL INFORMATION FOR THE YEAR. HISTORICAL PROGRAM RATED 100% FOR NINE MONTHS.

IN THE EXTERNAL INFORMATION AREA THIS OFFICE HAS SURPASSED ALL OTHER WINGS IN SAC ON NATIONAL PUBLICITY. THEY PARTICIPATED IN ONE NATIONAL AND TWO REGIONAL TV SHOWS BEFORE 35 MILLION PEOPLE. FIFTY-ONE NEWSMEN VISITED THE MISSILE SITES WITH FEATURE STORIES IN NEWSPAPERS AND MAGAZINES COAST TO COAST.

WING IXO SUCCEEDED IN GETTING DOD PERMISSION TO RELEASE A FEATURE STORY WITH PICTURES OF THE WING RV BRANCH, AN EXCLUSIVE NATIONAL STORY WAS RUN BY THE DENVER POST, ABOUT THE MEN WHO HANDLE NUCLEAR WEAPONS. NO PREVIOUS STORY HAD EVER BEEN RELEASED ON A COMBAT ORGNIZATION IN ANY BRANCH OF THE ARMED SERVICES.



FROM DENVER POST STORY. 180,000 COPIES

COMMAND PRESENTATION

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THE 451ST SMW RECEIVED IN EXCESS OF 10,000 VISITORS IN 1963. THESE VISITORS INCLUDED TOP LEADERS OF INDUSTRY, MANY HIGH RANKING MILITARY OFFICIALS NOT ONLY FROM THE UNITED STATES BUT SEVERAL FOREIGN COUNTRIES AS WELL. DISTINGUISHED CIVILIAN GROUPS NUMBERED IN EXCESS OF 75 WITH EACH GROUP RANGING IN SIZE FROM 15 TO 80 PERSONNEL.

NO WHERE IN STRATEGIC AIR COMMAND EXCEPT THE MAJOR HEADQUARTERS ARE SO MANY VISITORS RECEIVED ANNUALLY.

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SENATOR STENNIS, UNITED STATES SENATOR FROM MISSISSIPPI STATED: "I KNOW THAT OUR MISSILE PROGRAM IS IN SPLENDID HANDS AND CERTAINLY MY VISIT AND THE BRIEFING I RECEIVED WERE MOST WORTHWHILE AND HELPFUL TO ME."

MR. WALTER E. BIERY, PRESIDENT MID-CONTINENT PIPE LINE COMPANY: "VERY MUCH IMPRESSED WITH THE READY POSTURE OF THE TITAN WEAPON SYSTEM AND COST VERY MUCH JUSTIFIED IN TERMS OF THE MILITARY BUDGET."

LT GENERAL DAVID WADE ON HIS VISIT WITH THE SPANISH AIR FORCE OFFICERS STATED: "I FEEL CONFIDENT THAT THESE GOOD FRIENDS OF OURS NOW HAVE A GREATER APPRECIATION AND ADMIRATION FOR THE MANNER IN WHICH THE STRATEGIC AIR COMMAND IS CARRYING OUT ITS VITAL MISSION."



ADMINISTRATIVE SERVICES

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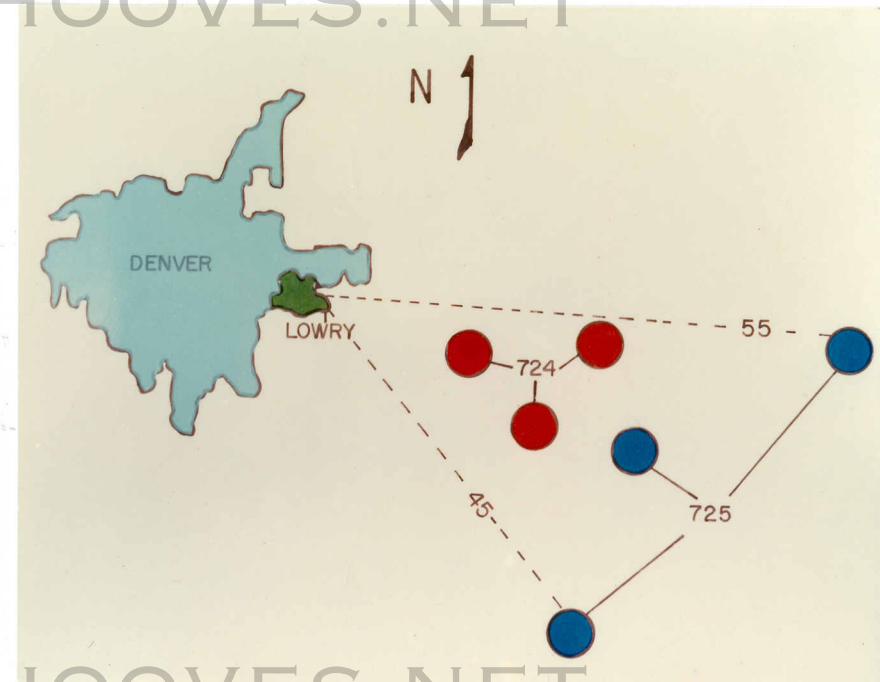
ACCELERATING THE ADMINISTRATIVE SUPPORT PROVIDED BY A HOST BASE NOT GEARED TO A SAC UNIT'S IMMEDIATE REACTION REQUIRED INTENSIVE STAFF PLANNING AND CONSTANT COORDINATION.

ADMINISTRATIVE SERVICES FUNCTIONS WERE CONSISTENTLY RATED EXCELLENT IN EIGHTH AIR FORCE AND 13TH STRATEGIC MISSILE DIVISION STAFF VISITS IN 1963.

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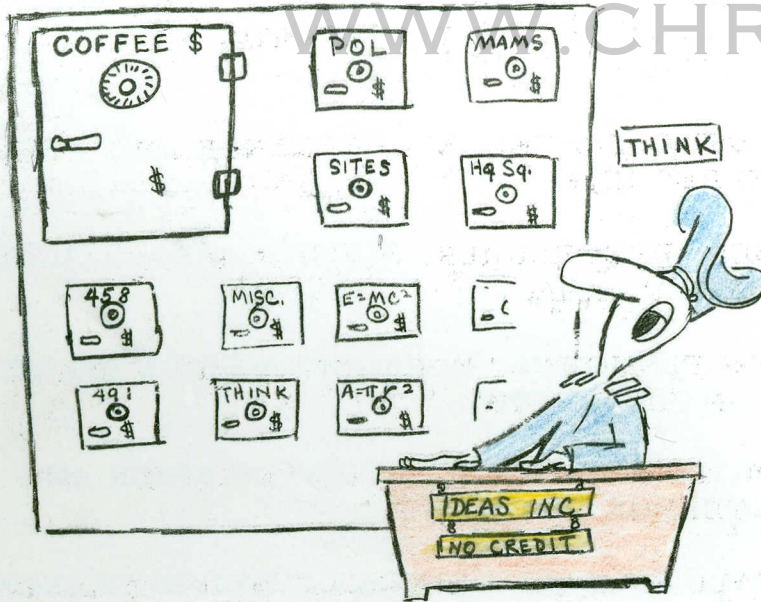
SERVING THE NINE WIDELY-DISPERSSED ELEMENTS OF THE WING DEMANDED ABOVE-AVERAGE PROFICIENCY OF ADMINISTRATIVE PERSONNEL AND SUPERIOR MANAGEMENT OF AUSTERE RESOURCES.



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COMPTROLLER

PERSONNEL



IN 1963 IT WAS DETERMINED THAT NO FORMULA EXISTED FOR CONVERTING HELIUM FROM PSI TO STANDARD CUBIC FEET. THIS CONVERSION WAS NECESSARY FOR HELIUM USAGE IN A COMMON DENOMINATOR SO THAT ACCURATE COST FACTORS COULD BE DEVELOPED FOR FINANCIAL PLANNING.

A FORMULA WAS DEVELOPED BY THE COMPTROLLER STAFF FOR CONVERTING PSI OF HELIUM TO SCF. THIS FORMULA WAS TESTED AND APPROVED BY THE U. S. BUREAU OF STANDARDS.

CONVERSION TABLES REQUIRING 27,000 COMPUTATIONS WERE DEVELOPED FROM THE FORMULA.

A COPY OF THE TABLES WAS FORWARDED TO HQ SAC WHERE IT WAS TESTED, REPRODUCED AND DISTRIBUTED TO EACH MISSILE BASE FOR THE ACCURATE MEASUREMENT OF HELIUM CONSUMPTION.

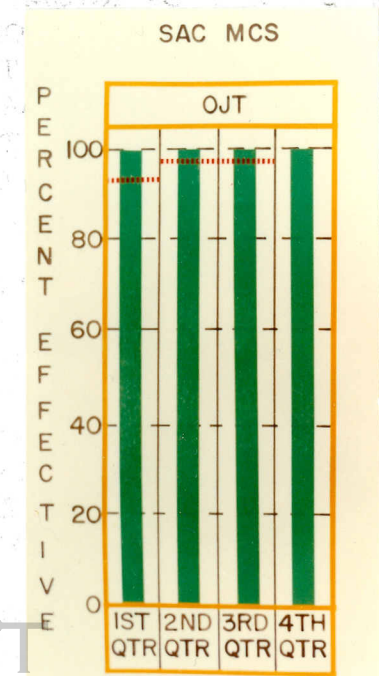
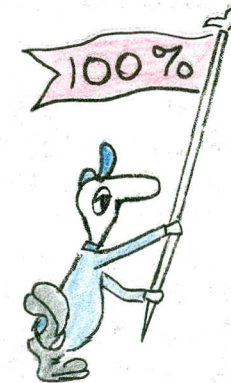
A TOTAL OF 15,575 ENTRIES ON THE UNIFORM OFFICER RECORD WAS SUBMITTED TO HQ SAC AND RECEIVED AN ERROR RATING OF .027%, ONE OF THE LOWEST IN SAC.

COMMENDED FOR EXEMPLARY CONTROL OF LEAVE PROCEDURES AS A RESULT OF AN INSPECTION BY THE GENERAL ACCOUNTING OFFICE.

RECORDS DISCREPANCY ERROR RATE SECOND LOWEST IN 8TH AIR FORCE.

RETAINED 100% OF THE DOS OFFICERS FOR THE LAST TWO FISCAL YEARS.

8AF PERSONNEL DIRECTORATE RATED THE RETENTION PROGRAM "EXCELLENT".



COMBAT DEFENSE FORCE



QUOTES FROM SAC ORI 5-10 MAY 63: SRE OF
23 JAN 63: 8TH AIR FORCE STAFF VISIT 15-
19 AUG 63:

"BEST OBSERVED" MAINTENANCE AND TRAINING RECORDS.

"BEST PROCEDURES" WRITTEN PROCEDURES FOR R/V AREA.

"PROFESSIONAL REACTION" MOBILE STRIKE TEAM RESPONSES.

"OUTSTANDING FACILITIES" INTERIOR AND EXTERIOR OF CSC.

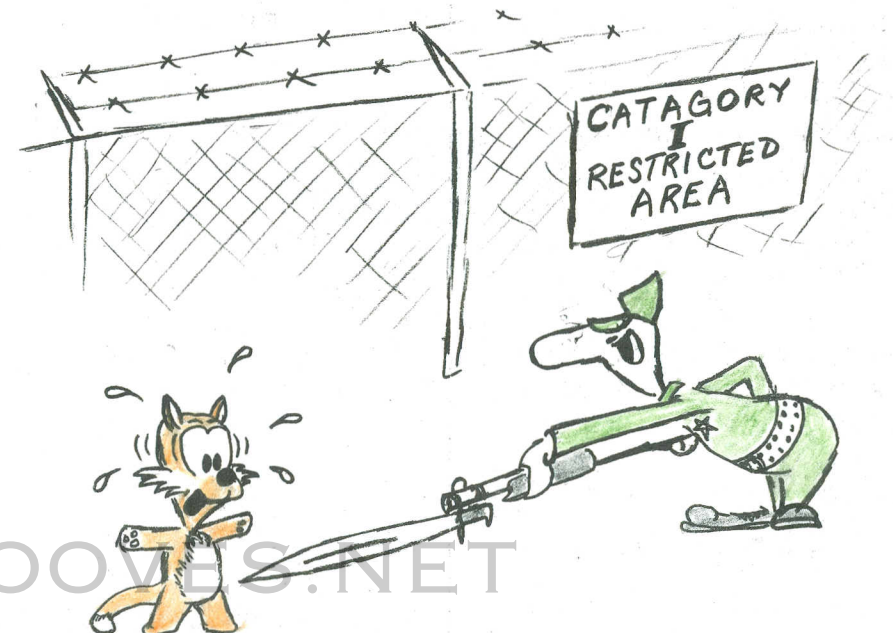
"VALUABLE SECURITY MOTIVATION TRAINING" PROVIDED FOR 800 HOST BASE PERSONNEL

CSC CONTROL ROOM, DESIGNED AND BUILT BY THIS UNIT, HAS BECOME THE MODEL FOR OTHER SAC BASES. THE USAF AIR POLICE SCHOOL HAS THE PLANS AND PICTURES FOR CLASSROOM PRESENTATION AS THE IDEAL. THE SAC INSPECTOR GENERAL COMMENTED, "IT'S THE BEST I'VE SEEN."

PLAN FOR SITE ACCESS OF HUNDREDS OF UNCLEARED CIVILIANS IS SERVING AS MODEL FOR SAC SECURITY PLANNING FOR UPDATE PROGRAMS.

OJT TRAINEES ACHIEVED PERFECT RECORDS BY OBTAINING THE MAXIMUM OF 95 PERCENTILE ON ALL SKILL KNOWLEDGE TESTING.

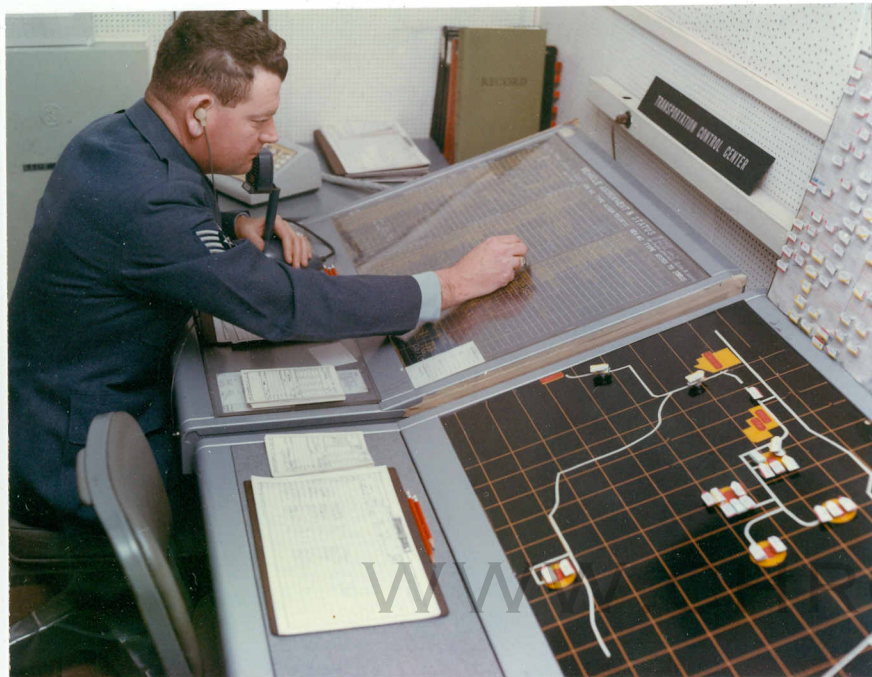
RATED BY 13TH STRATEGIC MISSILE DIVISION "OUTSTANDING" FOR SMALL ARMS MARKSMANSHIP TRAINING.



TRANSPORTATION

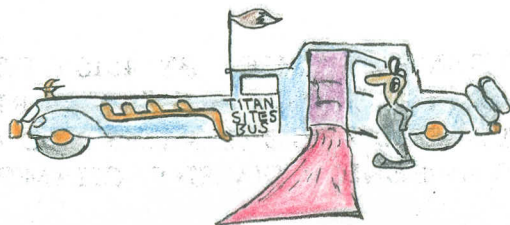
WWW.CHROMEHOOVES.NET 1,458,667

MILES ON THE ROAD



A MILLION AND A HALF MILES PROVIDING TRANSPORTATION TO 150,000 PASSENGERS OVER 1,700,000 POUNDS OF CARGO WERE TRANSPORTED TO PROVIDE THE NECESSARY SUPPORT OF TOOLS, PARTS AND PROVISIONS FOR THE MISSILE FLEET. ONLY TWO MINOR ACCIDENTS.

TRANSPORTATION CONTROL CENTER, THE HUB OF ALL SCHEDULED AND NON-SCHEDULED TRANSPORTATION. IN 1963, OVER 13,600 VEHICLES WERE DISPATCHED AND CONTROLLED TO SUPPORT THE WING.



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13TH STRATEGIC MISSILE DIVISION
OUTSTANDING SQUADRON

JULY - SEPTEMBER 1963

OCTOBER - DECEMBER 1963



TODAY'S YOUTH, TOMORROW'S AIRMEN

PERSONNEL OF THE 451ST SMW INITIATED
AND DEVELOPED THE LOWRY BASE YOUTH
PROGRAM.

SPONSORED AND SUPERVISED YOUTH ACTI-
VITIES.

BASEBALL TEAMS COACHED BY 451ST PER-
SONNEL PRIDE THEMSELVES IN A 12-3 RE-
CORD AS LITTLE LEAGUE CHAMPS AND A
13-2 RECORD AS SENIOR DIVISION CHAMPS.

THE SENIOR DIVISION TEAM REPRESENTED
THE STATE OF COLORADO IN SECTIONAL
PLAYOFFS AT SILVER CITY, NEW MEXICO.

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