

CHAPLAINS PLAN BOOTH—Again this year during the Armed Forces Day celebration, Saturday, May 9, the NWC Chaplains will man a booth in Hangar 3 at NAF, which will feature slides of chaplains in the combat areas of Viet Nam, plus photographs. In this photo from last year's Armed Forces Day, Chaplain Jude Senieur, former Catholic chaplain at NWC, shows photos in the booth to two visitors.

PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history update should be forwarded as described below. The fact that positions are advertised here does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any non-merit reason and without favoritism based on personal relationships or patronage.

The vacancies listed below are effective from 8 to 15 May 1970.

Police Officer, GS-02-03, 04 or 05, PD No. 884015, PD No. 884016, PD No. 284011 (6 vacancies), Code 843—The incumbents of these positions will be under the supervision of the Head, Police Division and/or the Sergeant of the Watch. The duties of these positions are: to enforce county, state and federal laws as well as Center regulations; to conduct initial investigations; to make arrests when necessary; to attend court when required; to preserve, protect and gather evidence at crime scenes; to prepare written reports of activities. The incumbent must be able to operate a police patrol vehicle. The incumbent is required to carry firearms and to be proficient in the use of a .38 caliber revolver. Annual qualifying marksmanship is mandatory. Minimum Qualification Requirements: GS-3: One year of acceptable experience which clearly demonstrates that the candidate possesses a knowledge of general law enforcement methods and techniques that could be applied in performing police functions. This experience must have included protecting property, equipment or materials; and person-to-person relationships in enforcing various rules and regulations. GS-4: Two years of experience which has given the candidate a broad knowledge of police operations, practices, and techniques. The experience must have included making arrests, protecting life and property, maintaining law and order, investigating accidents, preventing crime and preserving the peace. GS-5: Three years of experience which has given the candidate a broad knowledge of police operations, practices, and techniques. The experience must have included making arrests, protecting life and property, maintaining law and order, investigating accidents, preventing crime, and preserving the peace.

Fire Fighter (general), GS-01-03 or 04, PD No. 884008, PD No. 884022 (8 vacancies), Code 842—The incumbents will perform normal duties in combating fires involving airfield and/or structural fire fighting.

(Continued on Page 6)

Armed Forces Day Message

This is the day on which every citizen should pause to recognize and appreciate the selfless, invaluable service being rendered to each of us throughout the year by those in our Armed Services.

It is no longer enough that the Sailor, Soldier, Marine or Airman know how to fire a gun. Today he must learn to operate and maintain costly and complex weapons systems, undergo prolonged separations from home and family and risk his life in conflict with a determined enemy in an unorthodox and unpopular war.

Our servicemen have met each demand with quiet competence and loyal dedication to our country, and with far too little support from the people they serve.

I urge on this Armed Forces Day that we all remember that it is only behind the perimeter manned by the individual in uniform that we are free to live our lives in safety and comfort and to pursue happiness, each in his own way.

John H. Chafee Secretary of the Navy

Michelson Laboratory Awards, Lab Advisory Board Visit Next Week

The 1970 Michelson Laboratory Awards will be announced during a luncheon to be held in the Mojave Room of the Commissioned Officers' Mess at 11:45 a.m., on Monday, May 11. Presentation of the awards will be made by Dr. Bruce Old, Chairman of the Laboratory Advisory Board for Air Warfare of the Naval Research Advisory Committee (NRAC). The Michelson Laboratory Awards, "Fellow in Ordnance Science" and "Fellow in Management," were established in 1966 to recognize outstanding administrative abilities and professional excellence, demonstrating personal leadership in the furtherance of the mission of the Laboratory.

Center personnel are invited to make reservations for the luncheon by calling Ext. 2634. The menu will be English Mixed Grill at \$2.50, including gratuity. Reservations should be in by 4:30 p.m., Friday, May 8.

Research Advisors Visit Dr. Old will be visiting the

Center at this time in connection with a meeting of the Laboratory Advisory Board for Air Warfare to be held in Michelson Laboratory on Monday and Tuesday, May 11-12.

Capt. M. R. Etheridge, NWC Commander, will welcome the Board and Mr. H. G. Wilson, Acting Technical Director, will present an overview of the Center's technical programs. During the two-day meeting, the Laboratory Advisory Board will be briefed on current weaponry developments, including the transition from development to production; they will meet with key project personnel and will be taken on a tour of the facilities.

A reception will be held in honor of the Laboratory Advisory Board at 5:45 p.m., Monday, May 11, in the Plaque Room at the Commissioned Officers' Mess. Dinner will be served at 6:45 p.m.

Members of the Advisory Committee who will be attending the meeting include: Dr.

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THE FIRST DAY—"I have sworn upon the altar of God eternal hostility against every form of tyranny over the mind of man," said Thomas Jefferson. It was a belief in these principles which earned the U.S. serviceman a day of his own. Above is a reproduction of the painting that was used on the official Department of Defense poster for the first Armed Forces Day on May 19, 1951. This year's celebration at NWC is Saturday, May 9.

Scouts Gather For Exhibition

The 1970 Desert District Exposition of the Boy Scouts of America will be held in conjunction with Armed Forces Day, Saturday, May 9 beginning at 2 p.m. at Schoeffel Field on the Naval Weapons Center.

The theme for this year's Exposition is "The Triple E. Scout Exposition — 1970," wherein the three E's emphasized are: Empire; Expansion; and Exposition. The annual Scouting show will feature many demonstration booths where Scouts of all ages will dramatize the skills and activities of the Cub Scout, Boy Scout and Explorer programs.

A few examples of the areas of Scouting on display will be: motorcycling; communications; pioneering; hiking; camps, and cooking.

Admission Charge

Tickets for this year's Exposition have been on sale since April 18, and may be purchased from any Cub Scout, Boy Scout or Explorer. Admission price is \$1 for adults, with children under 12 admitted free of charge when accompanied by an adult.

All uniformed Scouts are also admitted free to the Exposition. Scouts will receive one "Scout Buck" for each ticket they sell with the Scout money to be redeemable at the Exposition for prizes at a special Scout Trading Post. The prizes this year range from a neckerchief slide (three Scout Bucks) to a choice of a GE clock radio, Disneyland trip or an expense-paid week at Camp Kern (100 Scout Bucks). Scouts may also use their Scout Bucks to purchase Scout equipment at a rate of 25 cents per Scout Buck. However, the individual Scout will have to pay the tax on merchandise of this type.

Prizes from the Exposition will be awarded by a ticket drawing from tickets turned in at the main gate. A portable TV set will be presented to the

Scout who sells the winning admission ticket. The Scout must be present to win. In addition, a \$50 cash award will be made to the winning Scout's unit.

According to Scout officials, 30 per cent of the money taken in through ticket sales will be returned to the local units. Units participating in the Exposition will also earn a 5 per cent bonus. Troops, Packs and Posts can then use this income to purchase equipment or pay for activities.

Scout units from Kernville, North Edwards, Lake Isabella, Boron and Trona are expected to take part in the show, as well as those of the Ridgecrest-China Lake area. Locations will be available at Schoeffel Field for Troops to camp overnight if they desire to do so. A total of about 35 units are expected to participate.

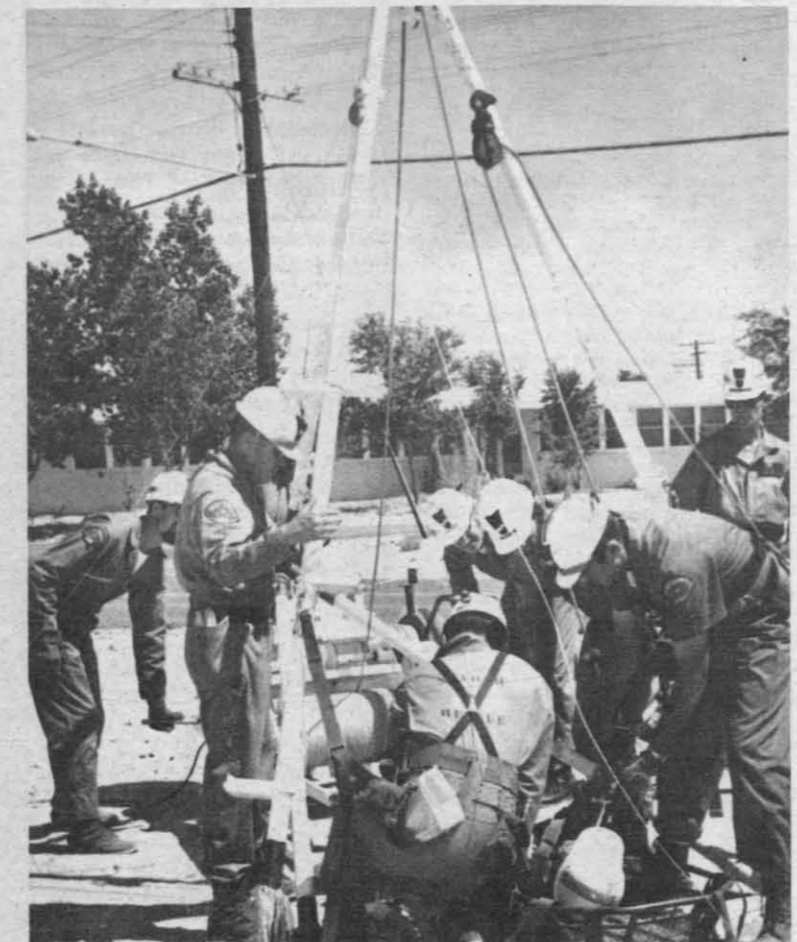
Court of Honor

The grand finale of the day will be a Court of Honor at which a number of Scouts will be recognized for advancement in rank. In addition, all Eagle Scouts of the District will be called to the front of the assembly.

The flag of each unit of the district will be displayed and the Order of the Arrow will perform the official opening ceremony.

Chairman of this year's Exposition is Lt. Bob Cummins of NAF. His assistants are Dave Alfson, Participation Chairman; Bob McCarten, Publicity Chairman; Frank Haymaker, Ticket Sales and Prize Chairman; and Bill Fitzgerald, Physical Arrangements Chairman.

Howard Allen and Gordon Shumway, as District Scout Executive and District Chairman, have contributed substantially toward the organization of this year's Exposition, and in addition, Allen will handle the finances and budget portion of the program.



MEN OF THE Indian Wells Valley Ground Search and Rescue Team are shown exhibiting their skills at last year's Armed Forces Day celebration. The group will have a booth in Hangar 3 at NAF this year where they will display their rescue gear to all interested persons.



AIR SHOW HONORED GUESTS—Director Gerry Baker and talent coach Herb Childers flank bevy of Miss Ridgecrest-China Lake Pageant candidates who will be among the honored guests in the VIP seating area at the air show. In first row (l-r) are Dana Hulin, Miss NWC; Cynthia Scott, Miss NAACP; Barbara Gallaher, Miss Control Data; 2nd row, Tina Parrish, Miss Contel; Barbara Lewis, Miss WACOM; 3rd row, Debbie Bryant, Miss Ace TV; Melody Inman, Miss NAF; 4th row, Theresa Kersten, Miss Rotary Club; Linda Taylor, Miss Elks Club; and Coral Nicholson, Miss Desert Campus. The candidates will attend the Kiwanis breakfast tomorrow at the Community Center. Title winner will be named June 6.

—Photo by PH2 D. E. Hart

NWC "Open House" . . .

(Continued from Page 1)

lots for use in combat. Static displays of modern Navy aircraft, helicopters, and other examples of the Navy's "aerial arm" will be on display at NAF during the period following the air show until 2 p.m., when NAF will close to visitors.

Displays in Hangar

Hangar 3, located at NAF, will feature displays which range from a Chaplain's booth, to a T-41 tank. Included on the deck of the hangar will be a Safety Department exhibit; a display of equipment by the Mountain Rescue Team of Indian Wells Valley; a Mine & Surface Rescue Team exhibit; a booth erected by the Earth & Planetary Science Department at NWC; a booth containing information regarding Ling-Temco-Vought, a space agency; a special ordinance display; an exhibit manned by the Explosives Ordnance Department, and a special squad of Marines from Camp Pendleton who will display field ordnance and equipment and Marine survival gear.

Visitors will be allowed into Michelson Laboratory between the hours of 12:30 p.m. and 4 p.m. Inside the lobby of the building will be weapons displays and technical information booths, featuring weapons and scientific achievements developed at the famous laboratory.

Boy Scout Exposition The 1970 District Boy Scout Exposition, entitled "The Tri-

ple E Scout Exposition—1970," will be held at Schoeffel Field, across from the Station Restaurant on Blandy Street, from 2 p.m. until 6 p.m. Visitors to the exposition will see Boy Scouts, Cub Scouts, Explorer Scouts, and others, display their Scouting activities; cooking, camping, hiking, merit badges, etc., at booths arranged around the interior of the field.

WACOM Intros Pageant Rep At Luncheon

The 1970-71 Executive Board of the Women's Auxiliary of the Commissioned Officers' Mess will be installed following a 1 p.m. luncheon on Tuesday, May 12 at the COM. Champagne punch will be served during the social hour starting at noon.

Barbara Lewis, WACOM's candidate for the 1970 Miss China Lake-Ridgecrest Pageant, has been invited to sing as part of the entertainment. Orchids for the floral decorations will be donated by Mrs. Margaret Bittner, orchid grower in Solana Beach, Calif.

The China Lake Little League has scheduled tryouts for boys 8 and 9 years old who wish to play T-ball or Farm League this season. Boys 8 years old will have tryouts at 8 a.m. Saturday, May 16, and boys 9 years old are asked to come to tryouts at 1 p.m. the same day. All tryouts will be on Little League Diamond No. 4, opposite the China Lake Bowl.

Advisory Board . .

(Continued from Page 2)

Milton U. Clauser, Director of Lincoln Laboratory, Lexington, Mass.; Dr. Jack W. Dunlap, Sr., of Dunlap and Associates, Inc., Darien, Conn.; Mr. E. H. Heinemann, Vice President of General Dynamics Corporation of New York, N. Y.; Mr. Theodore P. Heuchling, Vice President of A. D. Little, Inc., Cambridge, Mass.; and Adm. J. S. Russell, USN(Ret.) of Tacoma, Wash. Dr. Old is vice president of A. D. Little, Inc. Heinemann has been acquainted with the Center since the early 1950's when he served on the former NWC Advisory Board.

Assessments Waived

GEBA-CLMAS secretary-treasurer, Larry Mason, announces that Assessments 207-135 are waived (free) for the death of Sherold Andrews who died May 1, 1970 from pneumonia. Mr. Andrews, age 52, was employed in Code 3532, at the Center.

IN AN EMERGENCY

CALL:

446-3333

Help line line Crisis Intervention CALL 446-5531

The Rocketeer Official Weekly Publication U. S. Naval Weapons Center China Lake, California Capt. M. R. Etheridge, USN NWC Commander "J." Bibby Public Affairs Officer Jean Taylor Associate Public Affairs Officer (Acting) Director of News Bureau William P. Valenteen, Jr. Editor Jack C. Lindsay Staff Writer Lucille Edwards Editorial Assistant PH1 Gary D. Bird, PH2 Delmar E. Hart, PH2 Michael F. Krause, PH3 Maurice Dias, PH3 L. H. Detweiler, PHAN Ronald H. Mills Staff Photographers DEADLINES: Tuesday, 4:30 p.m. Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NAVEXOS P-35, revised July 1958. Office at Nimitz and Lauritsen. Phones 3354, 3355, 2347

DIVINE SERVICES

- Protestant (All-Faith Chapel)—Morning Worship—10:00 a.m. Sunday School—8:30 a.m., Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite Center Restaurant. Thursday—Service at 5:00 p.m. (Organ Prelude at 4:45 p.m.) Roman Catholic (All-Faith Chapel)—Holy Mass—7, 8:30 and 11:15 a.m. Sunday. Dolly Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m. Confessions—7 to 8 p.m. Saturday, and 8 to 8:25 a.m. Sunday. NWC Jewish Services (East Wing All-Faith Chapel)—8 p.m. every first and third Friday. Sabbath School—10 a.m. to noon, every first and third Saturday. Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.

'Blue Angels' History, Raison D'etre Essayed

The Blue Angels, officially known as the U.S. Navy Flight Demonstration Team, have for 24 years thrilled millions of spectators with spectacular demonstrations of precision aerobatic and formation flying. The maneuvers, taught individually to every naval aviator during flight training, are exhibited to perfection when flown by the skillful Blue Angels in their Mach 2 Phantoms. The show, as it is seen today, has developed through the years as new techniques have evolved and higher performance aircraft have been introduced.

The original Flight Exhibition Team within the Naval Air Advanced Training Command was formed in June, 1946, at the Naval Air Station Jacksonville, Florida. Lieutenant Commander Roy M. "Butch" Voris was selected to organize and lead the original Team. The first public performance, in Gruman F6F Hellcats, was at the Southeastern Air Show, June 15-16, 1946.

The four Hellcats of the original Team performed a combat routine, pretending to "shoot down" a training plane painted as a Zero. The plane spiraled downward from the "flight" trailing realistic smoke. A dummy pilot was parachuted from the craft to be promptly captured in front of the onlookers by a detachment of Marines. Most of the combat maneuvers were performed in tight formation, a style which became the basis for the present awesome combination of high speed and tight formation flying. The original Team developed the famous Blue Angel diamond which has become their trademark.

Shortly after the Team was started, they shifted into the faster and more powerful F8F Bearcat fighter, which they flew until their transition to jets. Lieutenant Commander Voris was relieved as leader of the "Blues" in 1947 by Lieutenant Commander R. S. Clarke, who was, in turn, relieved by Lieutenant Commander R. E. "Dusty" Rhodes. Lieutenant Commander Rhodes led the team through the transition into F9F Panther jets in the summer of 1949. Lieutenant Commander Johnny Magda took over as Team leader in 1950.

The demonstration program was interrupted with the outbreak of hostilities in Korea. In June, 1950, the Blue Angels were ordered to duty in a combat status aboard the aircraft carrier USS Princeton as the nucleus of Fighter Squadron 191. Lieutenant Commander Magda, then Commanding Officer of the new squadron, was the first Blue Angel to lose his life in combat. He was shot down off Korea's northeast coast in March, 1951.

The Blue Angels were reactivated at the Naval Air Station Corpus Christi, Texas, in late 1951 with Lieutenant Commander "Butch" Voris, original Team leader, again given the organization job. With a newer and faster version of the Panther, the F-9F-5, the Team underwent strenuous practice in preparation for the 1952 schedule.

Lieutenant Commander A.

Ray Hawkins took command in December, 1952. A three-time Navy Cross winner, Hawkins shot down 14 enemy planes while flying 154 missions in the Pacific during World War II, and was credited with materially contributing to the sinking of a 34,000-ton enemy battleship, all before his 21st birthday. He also flew 47 missions over Korea.



Lt. Cdr. H. H. Hall
Blue Angels' Leader

In February, 1954, in an aerial change-of-command ceremony, Lieutenant Commander Hawkins was relieved by Lieutenant Commander R. L. Cormier, another World War II and Korean veteran fighter pilot. A double ace with 10 enemy planes to his credit, "Zeke" Cormier led the Blue Angels as they were seen by more people in 1954 than during any previous year.

Swept-wing F9F-8 Cougars were assigned to the Blue Angels in the winter of 1954-55. In this new fighter, some of today's spectacular new maneuvers were developed, the most noteworthy being the thrilling "Fleur-de-lis."

In June, 1955, the operations base for the Blue Angels was moved from Corpus Christi to the "Annapolis of the Air," Naval Air Station Pensacola, Florida, home of the Naval Air Training Command.

Commander Edward B. Holley, a Navy Cross winner and a pioneer in jet aviation, led the "Blues" during 1957-58, during which the Team transitioned from F9F-8 Cougars to F11A Tigers in mid-season. It was necessary to devote all available time between shows to familiarize the pilots with their new aircraft, while flying the older Cougars for public air shows.

The Navy named Commander "Zeb" Knott to lead the "Blues" in October, 1958. He began his tour by leading the Team through 76 air shows in nine months with more than 200 days on the road in his first year as Team leader.

Lieutenant Commander Ken Wallace, who flew the Blue Angels slot position in 1954-55, returned to the "Blues" for a second tour in July, 1960, and became Team leader in January, 1962.

During 1962, the Blue Angels introduced the Diamond landing, the Delta landing (all six airplanes land together), the Farvel (basic Diamond formation but with the leader inverted), and the inverted Half Cuban Eight, an aerobatic sequence not given to verbal description, performed by a solo

pilot.

In 1964 through 1966, Commander Bob Aumack led the "Blues." The Team performed a record 87 flight demonstrations in 1965 while appearing throughout the United States, Europe for the first time, Iceland, Bermuda, Bahama Islands and the Caribbean.

Commander Bill Wheat became Officer-in-Charge in January, 1967. During his first year, the team was viewed by nearly five million spectators in Europe, North Africa, the Middle East, Alaska, Canada and the United States. During a single show in Naples, Italy, one million persons watched the "Blues" perform.

The 1968 season was the final year for the venerable F11A Tigers, yet their flashy performances continued to attract millions.

The final, nostalgia-tinged show of the year was performed before 10,000 persons at the Blue Angels Winter Training Headquarters in El Centro, California. This show and the retirement of the F11A Tigers ended 22 straight years during which the Blue Angels were continuously equipped with Naval aircraft built by the Gruman Aircraft Engineering Corporation, Bethpage, Long Island, New York. The first Phantoms, built by McDonnell Douglas Corporation, St. Louis Missouri, was flown to Pensacola by Commander Wheat on December 23, 1968.

Transition to the F4J Phantom and Winter Training began on January 3, 1969, and were completed on schedule by February 28. During the 1969 season, more than five million persons in the Continental United States, Alaska, Canada and the Bahamas Islands watched the Team perform in their spectacular new Phantoms. Many new maneuvers illustrating the tremendous performance capabilities of the F4 were added to the 1969 demonstration. The four plane trail formation and the box formation provided variations to the famous Blue Angel Diamond. The two solo pilots performed opposing and perfectly matched 4-point hesitation rolls and inverted Half Cuban Eights.

The extremely successful first demonstration season with the F4J Phantom ended in November, 1969. In December, Lieutenant Commander Harley H. Hall, a combat veteran of the Vietnam conflict, became the 12th Officer-in-Charge and leader of the Blue Angels. Practice for the 1970 season began on January 5, 1970.

The precision maneuvers demonstrated by the 1970 Blue Angels are coordinated and continuous tactical techniques developed in practice and actual combat by Navy and Marine pilots. In carrying out this demonstration mission with the Phantoms, the "Blues" also exhibit the high-performance capability of the latest service fighter aircraft as well as the high level of training and skill characteristics of naval aviators.

Navy student pilots witness in the flight demonstration the ultimate in airmanship expect-

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COMMENDED—Capt. M. R. Etheridge, Commander of NWC, presents a citation from Commander-in-Chief of the U. S. Pacific Fleet to AOC Hamp W. Knight, Explosives Ordnance Disposal Technician attached to the Technical Officer's Staff. The citation was for "outstanding service in the performance of duties while attached to and serving aboard the U. S. S. Oriskany as Explosives Ordnance Disposal Technician from May 16, 1969 to October 31, 1969." Chief Knight, his wife Teresa and their four children have been at China Lake since November 1969.

—Photo by PH3 L. H. Detweiler

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

ing and rescue work. Minimum Qualification Requirements: GS-3—High school education. GS-4—One year of fire fighting experience. Advancement Potential: Promotion potential to GS-4 level after six months.

File applications for the above with Carole Cadle, Bldg. 34, Rm. 204, X-2925. Accounts Maintenance Clerk, GS-520-2, 3, 4 or 5, Code 1762 (2 vacancies)—Examination, validation, and verification of accounting documents and forms, posting of transactions to accounting records, correction of errors on postings, entries, computations, balances, etc. Minimum Qualification Requirements: GS-2: High school graduate, GS-3: High school graduate plus 1 year of general clerical experience. GS-4: 1 year of general clerical experience plus 1 year of specialized experience; GS-5: 1 year of general clerical experience plus 2 years of specialized experience as stated in X-118. Advancement Potential: GS-2 may advance to 3; GS-3 may advance to GS-4 and GS-4 may advance to GS-5.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, ext. 2577. Clerk (Typing), GS-301-3 or 4, Code 173 —Incumbent acts as clerk for Financial Analysis Division. Duties include typing of financial and other reports, maintaining files, and performing general clerical duties as required. Minimum Qualification Requirements: GS-3: Completion of high school plus one year general experience; GS-4: the above plus a year specialized experience. Job Relevant Criteria: Prefer some experience in the budget or financial area. Advancement Potential: GS-3 may advance to GS-4.

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, ext. 2577. Teller, GS-530-4 or 5, PD No. 117019, Code 1745—Collects cash and checks for special deposits, jury duty fees, advance travel, etc. Prepares vouchers, prepares and maintains financial records. Minimum Qualification Requirements: GS-4 (Trainee) 1 year of general clerical experience and 1 year of specialized experience. GS-5: 1 year of general experience and 2 years of specialized experience. Temporary position not to exceed 6 months.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, ext. 2577. Clerk-Typist, GS-323-3 or 4, Code 17021 —Provides clerical services for the technicians in the Paperwork Management Group, Central Staff. Types directives from smooth or semi smooth copy. Provides information on status of in-the-mill directives. Provides reference service to Center personnel regarding current and cancelled NWC directives. Maintains directive case files and forms case files. Types correspondence required, travel orders, and stub requisitions. Minimum Qualification Requirements: GS-3: Completed high school plus one year general clerical experience; GS-4: the above plus a year of specialized experience. Job Relevant Criteria and/or Selective Placement Criteria: Position requires a qualified typist with a good knowledge of English composition, familiarity with the NWC organization and local terminology, etc. Advancement Potential:

GS-3 may advance to GS-4.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, ext. 2577. Editorial Assistant, PD No. 730054, GS-1087-5 or 6, Code 30022—This position is located in the Editorial Branch of the Systems Development Department. Incumbent is required to prepare technical reports in press-ready format, prepare vignettes and tabulations for technical presentations, and assist in all editorial and office functions of the Branch. Executive typewriter experience desired. Minimum Qualification Requirements: As specified in the X-118, applicants must possess 1 year of general experience and 2 years of specialized experience to qualify for the 5 level and one year general and 2½ years of specialized experience to qualify for the 6 level. Job Relevant Criteria: Ability required to prepare technical reports in press-ready format, prepare vignettes and tabulations for technical presentations. Must also be familiar with various scientific and engineering terms and nomenclature.

Engineering Technician (Drafting), PD No. 230029, GS-802-5, 6, 7, 8, or 9, Code 3012 —Position is located in the Design Drafting Section, Systems Development Department. Incumbent will provide mechanical and electronic layouts, drafting and work with Branch Engineers as a design draftsman on hardware design and development. Minimum Qualification Requirements: Shall have a minimum of four years experience in mechanical and electrical drafting and a minimum of one year of design work (layouts, checking and mathematics) to qualify for this position. Advancement Potential: To the GS-12 level based on ability to fulfill job requirements.

Air Operations Specialist, GS-301-9, Code 3053—Incumbent will administer, coordinate and control aircraft and related aircraft activity involved in the operations of the Electronic Warfare Complex, required for studies of countermeasures against missile systems. Minimum Qualification Requirements: As specified in the X-118, 3 years general experience and 2 years specialized experience. Job Relevant Criteria: Incumbent must have at least three years of progressive experience in flight-oriented experimental test operations, and must be familiar with radar systems, electronic instrumentation (both aircraft and ground), and computer systems. Advancement Potential: This position has advancement potential to the GS-13 level based on incumbent's ability to fulfill job requirements.

File applications for above with Mary Morrison (Code 657), Bldg. 34, Rm. 210, phone 2032.

File applications for above with Mary Morrison (Code 657), Bldg. 34, Rm. 210, phone 2032.



Center Fosters Unique Philosophy Of Operation, Management Approach

In order that the visitor may appreciate a visit to the Naval Weapons Center more fully, it is necessary to explain the nature and scope of the uniqueness of the Naval Weapons Center.

Recently, the Center celebrated 25 years of direct involvement in the business of Research and Development activities that have led to a significant list of achievements and milestones (See "NWC Milestones," this page).

Through the years, this effort has resulted in many dynamic contributions to the defense posture of the country and, indeed, to the entire international scientific community.

The Naval Weapons Center (known as the Naval Ordnance Test Station from 1943 to 1967) has two missions — a continuous, broad mission that describes its goals and capabilities in general terms (see below), and a changing mission that describes what the Center is doing at present and what it hopes to accomplish in the future.

The fixed mission is to provide new and improved weapons for the Fleet so that it can better meet its responsibilities.

The Center's capabilities to do this cover a broad spectrum from research through weapon development to test and evaluation, assistance to industry in production, and assistance to the Fleet in training and use.

The Navy, however, operates in a changing world — its functions change, and consequently the Center's working missions must be readily adjustable to new needs. Over the years since the establishment of NOTS in 1943, these working missions have changed greatly.

The successful record of the Center has been based on a unique broad concept of R and D management (aboard a military installation) that utilizes a combination of the creativity and education of the university trained Scientist or Engineer and the military training and experience of the fleet-oriented naval officer.

The net result of such teamwork has been an approach that starts with a concept that includes applied theory and practical knowledge.

The basic organizational structure of the Center has been shaped by the expanding technical programs and by the perspective gained from the experience of over 25 years of trial and error. Details have changed, but the broad concept of military-civilian teamwork in the technical and administrative areas of responsibility has served the Center well up to the present time.

In its twenty-seventh year, the Center's management team includes the Center Commander, a senior naval officer, who has primary responsibility for the operation of the entire Center; the Technical Director, the Deputy Technical Director, the Executive Officer, and the Officer-in-Charge of the Corona Annex.

The Technical Director is responsible to the Commander for the planning and execution of the Center's technical programs, assisted by the Deputy Technical Director, in direct supervision of the respective technical departments. The Executive Officer at China Lake and the Officer-in-Charge of the Corona Annex coordinate the work of the supporting departments with the Center's technical programs.

As a permanent naval activity under the military control

of the Commandant, Eleventh Naval District, San Diego, the center has been operating under the management and technical control of the Chief of Naval Material since 1966.

For its accomplishments in Weaponry, the Center has received world-wide recognition. Each year it is host to a number of distinguished visitors from high military and scientific circles of the United States and foreign countries. In addition, Center personnel represent the Navy in national and international scientific conferences and are recognized as authorities in their respective fields.

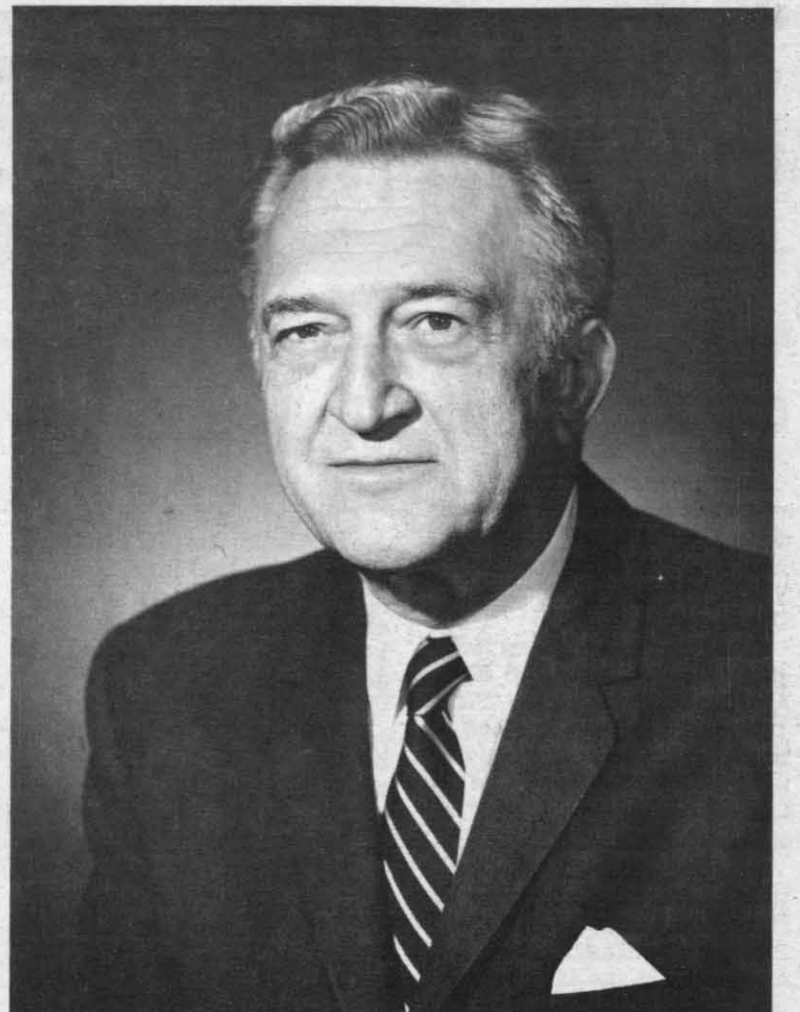
The genius of NWC has been from the first the quality of its people and the climate of innovation and freedom for independent research fostered by the Center's philosophy of operation.

The achievements of NWC men and women who have merited special recognition span the total spectrum of Center programs — from time and cost savings and safety improvements to major contributions in weapon concepts and techniques.

Center-sponsored day classes and management seminars have led to opportunities for professional development; and undergraduate and graduate courses leading to degrees in the physical sciences, engineering, or public administration have been offered regularly at the Center.

The China Lake community, an experiment in desert living, has played a large part in the history of the technical experiment it was built to support.

Since the community is owned by the Navy and is built on government property, it is operated under the command of the Center Commander, who



H. G. Wilson
Acting Technical Director

is responsible for the welfare of its 12,000 residents.

The military-civilian partnership operates at the community level, too, with the administration of housing and other community operations through the civilian Community Relations Office and with full participation of the residents in community affairs.

It is difficult to predict what the Center's future specific working mission will be, but the facilities and capabilities which it now has available allow a wide range of possibilities for consideration.

And, in adjusting its changing mission to meet new situa-

tions, the Center recognizes that there may not yet be a clear understanding of what is to be accomplished through limited military operations.

Nevertheless, the Naval Weapons Center is ready and capable of accepting its part of the challenges of the future, regardless of their scope.



Naval Weapons Center Mission

The Naval Weapons Center is a major laboratory of the Chief of Naval Material. Its formal mission is to conduct a program of warfare analysis, research, development, test, evaluation, systems integration, and Fleet engineering support in naval weapon systems, principally for air warfare, and to conduct investigations into related fields of science and technology.

Established in 1943, the Center was known as the Naval Ordnance Test Station until July 1967. Over the years, the Center has applied its scientific creativity and engineering skills in the fields of rockets, guided missiles, underwater ordnance, aircraft fire-control systems, and limited-warfare weapons.

Present Center assignments include analytical and experimental derivation of advanced concepts for total weapon systems and the technical management of major system development projects as well as other facets of research and technology. Also, the Center provides engineering services required for successful production of new systems and their introduction into the fleet.



A4A PROTOTYPE—One of the first sights visitors to the Center will see on Armed Forces Day is the A4D aircraft on display year-round at Switzer Circle. The Douglas fighter plane was the third production model of what is now known as the A4A aircraft. It is mounted with a type of ordnance that has been developed at NWC.

China Lake Celebration Features Airpower Display, Exhibits

'Blue Angels,' First Public Chaparral Firing To Top Event

The Blue Angels and the most explosive firepower demonstration in America—that's what visitors will see at the NWC Armed Forces Day Air Show.

The show is scheduled to begin at 9:30 a.m. at the Naval Air Facility's Armitage Field. The NAF gates will open to the public at 8:30 a.m. and during the period before the air show, the NAF road will be one-way toward the field.

After the playing of the National Anthem to open the show, Capt. M. R. Etheridge, NWC Commander, will welcome visitors and introduce the candidates for Miss Ridgecrest-China Lake pageant.

The flight demonstrations will commence with a flyby by the Angeles Antiquers, a group of antique airplane buffs who have bought and restored aircraft from pre-World War II days. Following the fly-by, the aircraft will land and will be displayed for the public.

Next on the program is the firepower demonstration by pilots from the various units at NWC. Firepower demonstration organizers, Maj. Bill Stein and Lt. Ron Brittain of VX-5, have lined up a 16-aircraft show to demonstrate the aircraft and weapons in use by the Navy.

Included in the program are a high-speed pass by the F-8 and F-4, a napalm drop, and firings of the Sidewinder and Chaparral missiles.

According to the Army Liaison Office, the Chaparral firing will be the first demonstration of this missile for the general public.

Also included will be demonstrations of a number of air-ground bombs and rockets, as well as formation jet flybys and rescue and spotting demonstrations of the UH-1E helicopter and the OV-10 aircraft.

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The final portion of the air show will be the flight demonstration by the Blue Angels, after which visitors will be able to talk to the aviators and see the planes on the ground.

For those who want to see a full array of airplanes used by the Navy and Air Force, static displays located at NAF will include the Navy's P-3 and S-2 aircraft and the Air Forces F-100, F-102, F-104, F-105, F-106, F-5, and T-33.

Visitors will receive an air show program at the gate. During the show, restroom and refreshment facilities will be available. Music will be provided by the Fifth Marine Expeditionary Brigade Band from Camp Pendleton.

VX-5 is in charge of preparations for the air show under the direction of Cdr. Barr Stevenson, overall coordinator of NWC Armed Forces Day.

LCdr. Dan Monger and Lt. Ray Clary are responsible for arrangements for visiting participants and dignitaries.

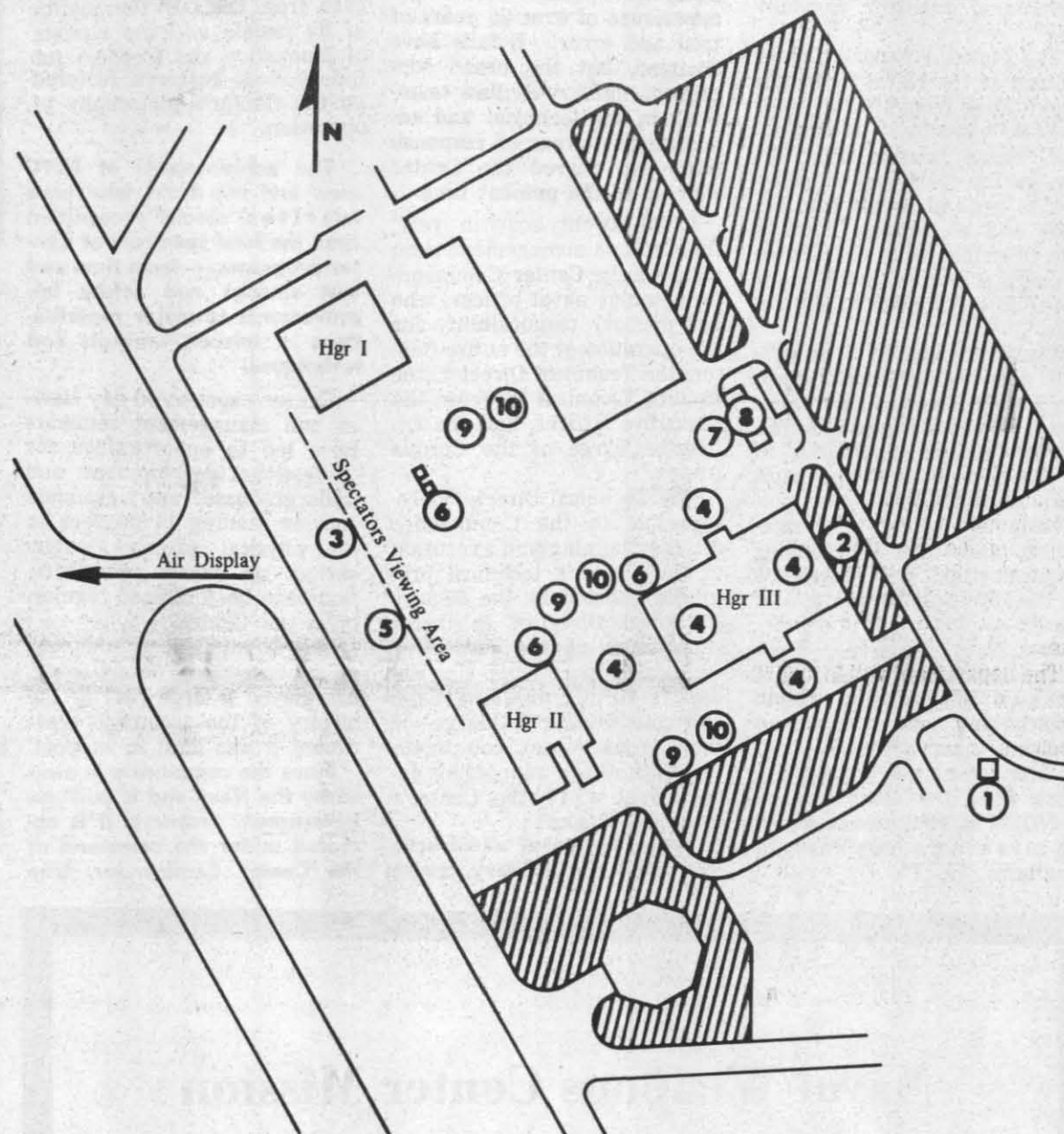
Lt. Ron MacDonald, Lt. Rick Williams, and LtJG. Cynthia Saunders are in charge of publicity, visitor services, and entertainment.

Traffic control and security are being coordinated by CWO2 Norm Bensene and ASMC Charlie Beck respectively, while Ens. Art Critser is in charge of public address systems.



WELCOME TO THE NAVAL AIR FACILITY • CHINA LAKE, CALIF.

- ① Main Gate
- ② VIP Parking
- ③ VIP Seating
- ④ Static Display
- ⑤ Speakers Platform
- ⑥ Refreshments
- ⑦ Bus Stop
- ⑧ First Aid
- ⑨ Rest Rooms - Men
- ⑩ Rest Rooms - Women
- ▨ General Parking



Angeles Antiquers To Display Aircraft

The Angeles Antiquers, a group of pilots dedicated to the restoration of vintage aircraft, will take part in the Armed Forces Day celebration at China Lake by flying and displaying 12 venerable aircraft during the air show at NAF.

While the world continues to advance technologically in flight techniques and space travel, the members of the Angeles Antiquers pursue their hobby in order that the youth of today and future generations will know and appreciate the role that some of the great old planes played in aviation history.

Most of the antique aircraft are of steel tube, wood and fabric construction and date back to the late 1920's and 30's. Included in this outstanding collection are open cockpit biplanes, monoplanes, classic cabin planes and even an antique seaplane. Powerplanes range from water-cooled Curtiss OX-5's of World War One to

the more powerful air-cooled radials that at one time, represented a revolutionary development in aircraft power. Cruising speeds for these old birds varies from 70 to 120 miles per hour.

The personal backgrounds of many of the Angeles Antiquers are as impressive as the planes themselves. Included in the membership are former barnstormers, airmail pilots, test pilots, bush pilots and airline captains. Equally represented are pilots with less related occupations, such as salesmen, mechanics, plumbers and artists.

Many of these antique planes were resurrected from long neglected hulks of once beautiful airplanes that had been overgrown with weeds or found tucked away in the dark corners of an old barn or hanger. Many hours, even years of work have gone into restoring them to their original condition.



1927 DEHAVILLAND GYPSY MOTH—This venerable aircraft, which belongs to airline captain Bud Gurney, is one of twelve antique vintage aircraft that belongs to members of the Angeles Antiquers, which will

take part in the Armed Forces Day celebration Saturday, May 9, at NAF. The Angeles Antiquers are a group of pilots dedicated to the restoration of vintage aircraft. Visitors to China Lake will see the aircraft displayed.

Michelson Laboratory Lobby And Hangar 3 House Exhibits

Films and exhibits will highlight the presentations of the Michelson Laboratory and NWC Safety Department during Armed Forces Day.

Michelson Laboratory will be open to the public from 12:30 p.m. until 4:30 p.m., with displays of the work being done at the huge facility.

Named for Dr. Albert A. Michelson, the first American to win the Nobel Prize for Physics, the Lab is the focal point of the Center's activity.

The exhibits will highlight weapons that have been developed at the Lab and will include a special exhibition that includes a supersonic sled that has been used in a variety of tests by the Center.

Safety Exhibit

The Safety Department has lined up a full show in Hangar 3 at NAF. The exhibit will be open from 8:30 a.m. until 2:30 p.m., and will show work that is underway by the department to keep accidents on the Center at a minimum.

Included in the displays will be examples of safety equipment and instruments used to test for harmful effects of radiation or toxic and explosive gases.

The department will also give away a door prize at its exhibit. The winner will receive his choice of a pair of safety shoes or a motorcycle helmet.

Throughout the morning the department will show films of safety techniques and photographs of the effectiveness of safety precautions.

Rescue Team

Also on display for visitors to Hangar 3 will be climbing gear and rescue gear, in a booth

manned by the Mountain Rescue Team; a display by the Earth & Planetary Sciences; a display from Ling-Temco Vought; a special ordnance display; and the Explosives Ordnance Department will man a booth which will explain ordnance and handling techniques.

In addition, a Marine squad from Camp Pendleton will display ordnance equipment and arms; and the Mine & Surface Rescue will show their equipment and techniques of rescue.

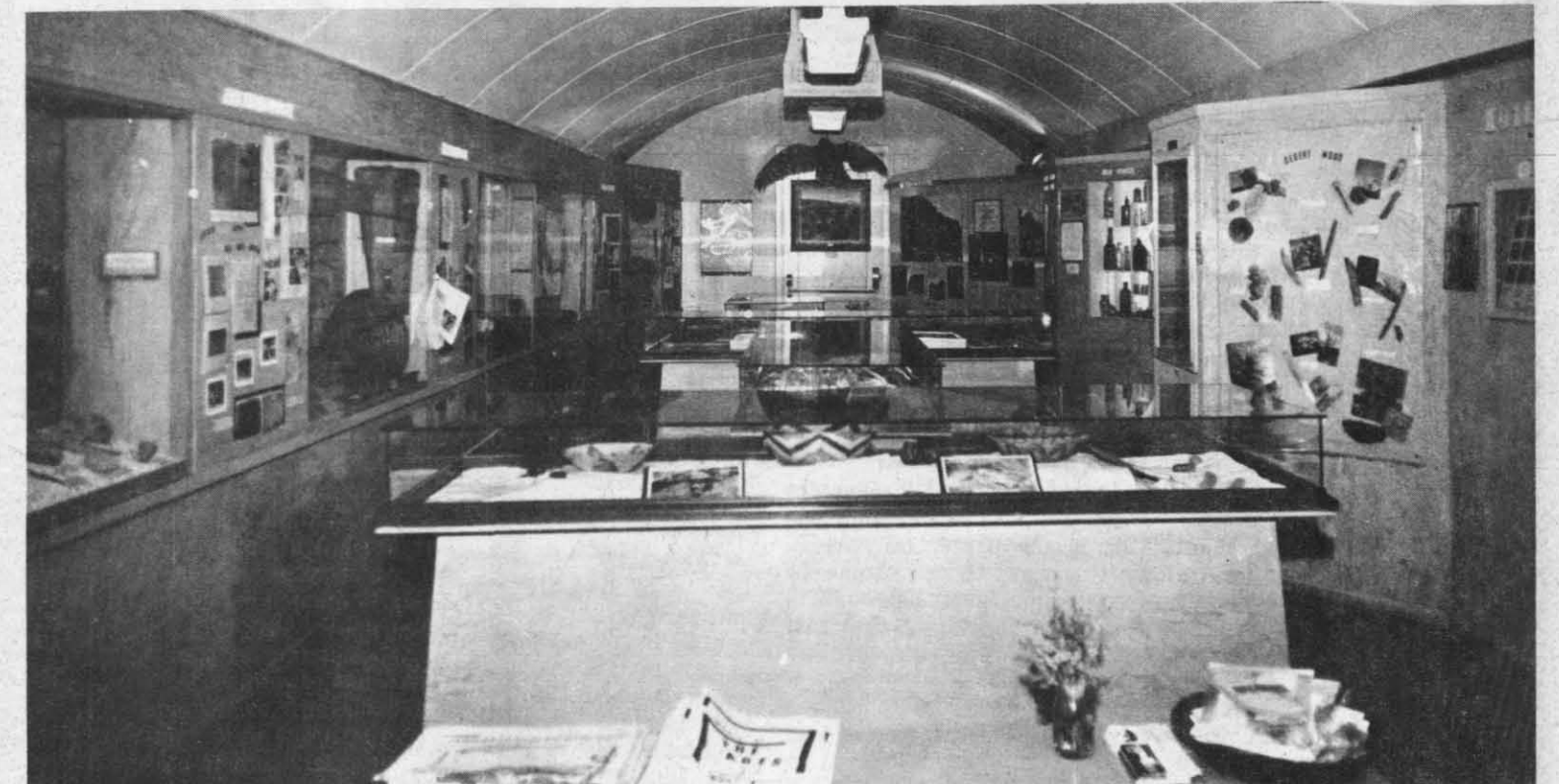
Also on display for visitors will be a T-41 tank, located at the south end of the hangar.

In addition, the Chaplains of NWC will have a booth at the north end of the hangar.



WEAPONS EXHIBIT BUILDING—Persons visiting the Weapons Exhibit Building, located next to the Maturango Museum, will see weapons systems developed at NWC

since the Center's inception in 1943. In the above photo, visitors to the building look at area maps and photos, as well as some of the weapons housed in the exhibit building.

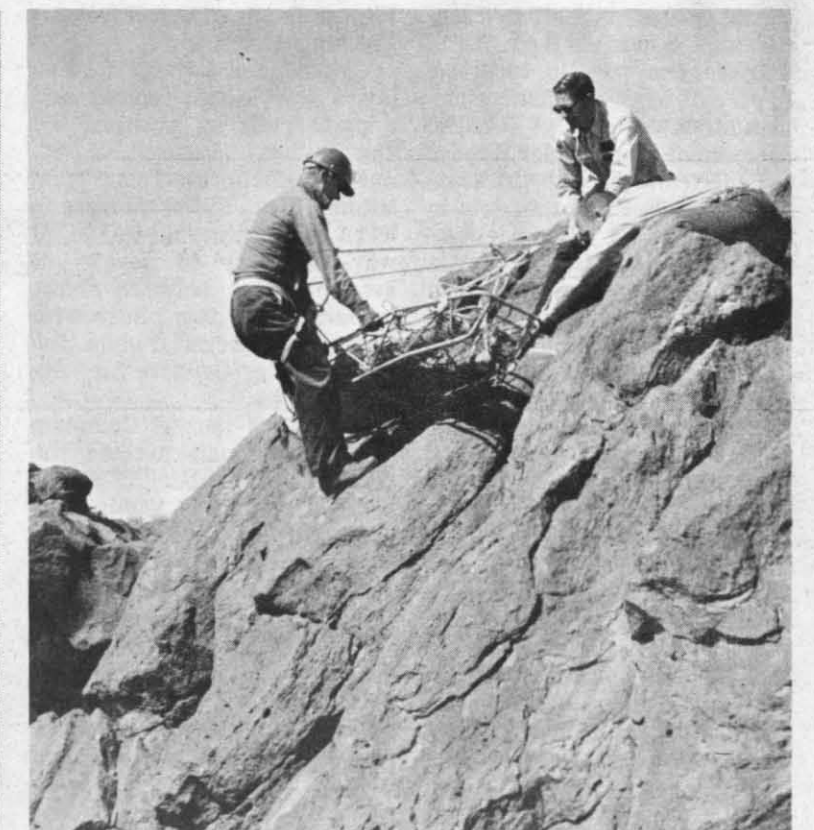


SHOWN IS the main room of the Maturango Museum, which will be open to visitors from 8 a.m. to 4 p.m.



CHAPARRAL—Visitors to the Armed Forces Day Air Show at NAF will witness the first public firing of Chaparral which is the U. S. Army's newest ground-to-air missile system. Developed by the Aeronutronic Di-

vision of Philco-Ford, and NWC, the Chaparral firing will be just one segment of an air show calculated to thrill the thousands of visitors at NWC this weekend for the annual celebration.



RED CROSS SPEAKER—Dr. Carl Heller (l), one of the founders of the Mountain Rescue Group at NWC, will be the featured speaker at the annual meeting of the Indian Wells Valley Branch of the American Red Cross. The meeting will be held Wednesday, May 13 beginning at 12 noon in the COM. The photograph shows Dr. Heller and an unidentified member of the Mountain Rescue Group using a litter basket during a practice session. The Mountain Rescue Group will display this basket, as well as other rescue gear, at a booth located in Hangar 3 at NAF Armed Forces Day.