

The deadly Sidewinder streaks away to score a kill on a target rocket.

ARMED FORCES DAY BUS SCHEDULE

Saturday, May 21, 1960

Starting Point	Time	Destination
MAIN GATE	8 to 9:30 a.m. (Bus will shuttle back and forth between points)	BENNINGTON PLAZA (Station Theatre)
BENNINGTON PLAZA (Station Theatre)	8:30 to 11:30 a.m. (Buses will shuttle back and forth between points)	NAVAL AIR FACILITY
NAVAL AIR FACILITY (Private cars should not be left at NAF after demonstrations)	At conclusion of Sidewinder firing (Buses will shuttle back and forth between points)	BENNINGTON PLAZA (Station Theatre)
BENNINGTON PLAZA (Station Theatre)	Starting at 12 noon as needed (Buses will shuttle back and forth via Michelson Lab)	SNORT TRACK 3 p.m. firing
SNORT TRACK	Last run at conclusion of 3 p.m. firing via Michelson Lab	BENNINGTON PLAZA (Station Theatre)

Michelson Lab Exhibits

Visitors and newcomers to the Station will have the opportunity to inspect a variety of technical exhibits and static displays at the renowned Michelson Laboratory, focal point of the Naval Ordnance Test Station from 1 p.m. to 4:30 p.m. during Armed Forces Day.

The earthquake-resistant Michelson Lab is one of the world's most complete research and development centers. Its 10.3 acres of floor area are used for offices and laboratories for weapon development personnel; laboratories for research in chemistry and physics; a technical library; large machine shop; foundry; heat-treating shop; electroplating shop; and environmental test chamber where conditions of climate and altitude may be simulated by varying temperature, humidity, and capable of detecting flaws in 5-inch steel, and computing equipment, including an IBM 709 digital computer.

The building has 8 wings and a main corridor 762 feet long, and it is named in honor of Albert Michelson, America's first winner of the Nobel Prize for physics.

Of general interest will be the Central Staff display of charts showing the Station payroll, outside procurement, capital investment and organization in Conference Room A. Other exhibits will be of a working model of a single axis gyro stabilized platform to demonstrate inertial guidance and computer-plotter problems; static displays of hardware including rocket models, cut away RAPEC I with outline models of RAPEC II and III.

Conference Room B will show displays of electronics instrumentation, satellite exhibits, a static display of towers and pull-by tests of Randsburg Wash. The courtyard behind Wing I will exhibit camera and mobile electronic equipment. The 709 Computer will play music in Room 1518.

Wing 6 will harbor static displays of oceanographic research and fish shadowgraphs. Glass blowing demonstrations will take place in Room 1646; chemical magic will be viewed in Room 1647; gas chromatography will be displayed in Room 1615; and in Room 111, phases of the Engineering Department functions in their Machine Shop, and Package and Production Engineering will be depicted.

Room 150 will demonstrate the heat treat lab; Room 120, Environmental Engineering Lab and Altitude Test Chamber; and Room 126A, the X-ray Lab. All activities will close at 4:30 p.m.

Other Sidelight Events to Depict Community Life

In addition to the Armed Forces Day demonstration, other sidelights have been planned to give visitors an insight of the recreation and community life of residents as well as the work mission of the Station.

Bennington Plaza Exhibits
An array of exhibits depicting some of the department functions and club organizations at NOTS may be viewed at the Bennington Plaza.

Represented will be the Desert Art League, China Lake Coin Club, Ceramic Club, Quarter Midget Auto Racers, Public Works Department, Personnel and Community Relations Department and the Fire Department.

Members of the Navy Wives Club and the Little League Baseball Association will serve soft drinks and ice cream; Desert Art League members will serve lemonade; and Girl Scouts will have Snow-cones for children, young and old.

Continuous movies of NOTS and Navy films will be shown at the Station Theatre all day.

Quarter Midget Races

Approximately 100 pint-sized race cars will compete in the annual Grand Prix Quarter Midget race on their own track off SNORT Rd. at 6 p.m. Time trials will start at 12 noon.

Featured in the special event will be two of the World's Champion "B" Class drivers as well as the current holder of the "B" Class World's Speed Record. Nationally known "Sandy" (Have Flags—Will Travel) Sanborn will act as starter. Trophies will be awarded.

ARMED FORCES DAY OPEN HOUSE

Saturday, May 21, 1960

- 8:00 a.m. GATES OPEN TO THE PUBLIC.
- 9:00 a.m. Weapon and aircraft displays at the NAVAL AIR FACILITY (Closes 12:30 p.m.)
Displays by NOTS departments and community activities at BENNINGTON PLAZA (All day).
Continuous showing of NOTS and Navy films at STATION THEATRE (All day).
- 11:00 a.m. Two demonstration firings of the SIDEWINDER missile at the NAVAL AIR FACILITY.
- 12:00 noon LUNCH BREAK. Picnic area will be open on the parkway at Blandy and Lauritsen. CONCERT by Burroughs High School Band.
- 1:00 p.m. MICHELSON LABORATORY open to visitors.
Tour of Supersonic Naval Ordnance Research Track, (SNORT).
- 3:00 p.m. SNORT firing.
- 4:30 p.m. End of Armed Forces Day OPEN HOUSE activities.
- 6:00 p.m. Quarter Midget Racers Grand Prix off Snort Road.
- 7:00 p.m. Softball game at Beer Hut Diamond.

Naval Air Facility Exhibits

Armed Forces Day will provide the first opportunity for the general public to view the Naval Air Facility's new \$4 million double-bay Hangar No. 3 complex, starting at 9 a.m.

The hangar bays measure 150 x 240 feet each, approximately the size of a standard football field. A center connecting unit measuring 138 x 240 feet houses laboratories, shops, administrative and engineering offices. A four-story radar tower projects above the roof of the center unit.

The structural steel and concrete building is completely equipped with heating and cooling systems. A deluge system, for fire protection, will provide 61,400 gallons of water per minute, and a hydraulic freight and service elevator provides service 69 feet up to the top of the radar tower.

Prior to the Sidewinder firings at 11 a.m., visitors will be able to view fifteen different aircraft and air borne target drones. Exhibits will include:

The Chance Vought Crusader F8U, the Navy's fastest fighter jet; the A4D-2 Douglas Skyhawk, light attack plane carrying some versatile new ordnance racks developed by VX-5; the FJ4-B North American Fury, an attack plane capable of in-flight refueling; the AD-7 Douglas Skyraider, a propeller-driven light attack aircraft.

The F4D-1 Douglas Skyray, a Sidewinder-armed, all-weather night fighter; the USAF F104 Lockheed Starfighter, a Sidewinder-armed supersonic jet interceptor, (only one operated by Navy); the JD Douglas engine light bomber, nostalgically known from World War II as the "B-26," now used to launch jet drones.

All-Weather Plane

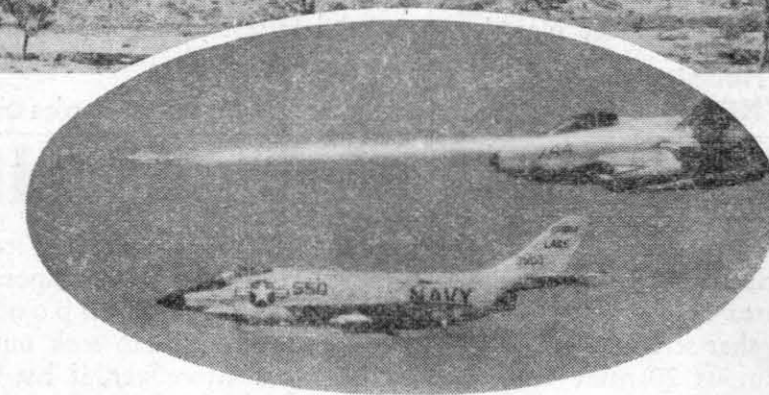
The A4D-2N Douglas compact all-weather attack plane; the P2V Lockheed Neptune, twin engine propeller driven long range patrol plane similar to the one which set a still-standing 11,000 mile non-stop flight record from Sydney, Australia to Columbus, Ohio; and the HRS Sikorsky helicopter used for search and rescue, and spotting downed drones.

Drones to be displayed include the KDA-4 Ryan Firebee, a jet propelled high speed target that is launched from a B-26 and is recoverable by parachute; and the KDB-1 Beech target drone, which also is recoverable.

A one hour lunch break will follow the NAF air show. Persons are asked not to leave private cars in the area after the show.

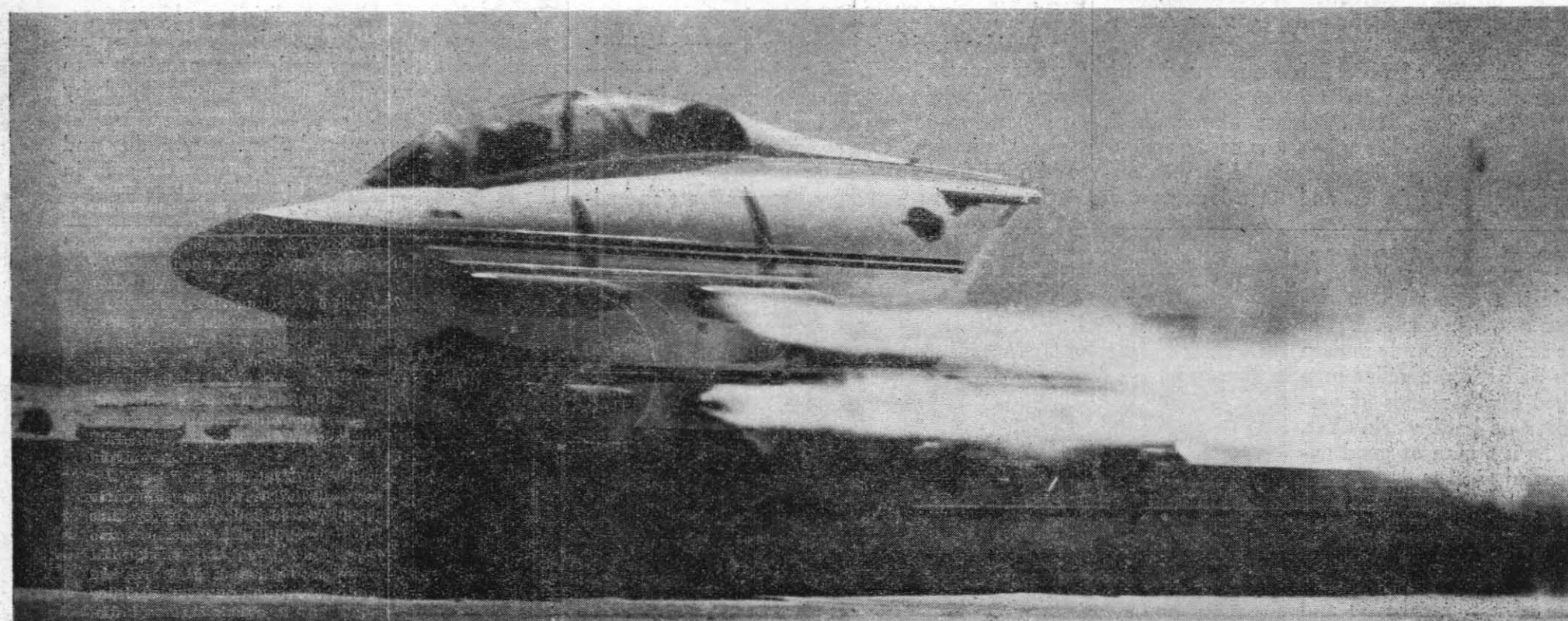
SOUVENIR EDITION

ROCKETEER



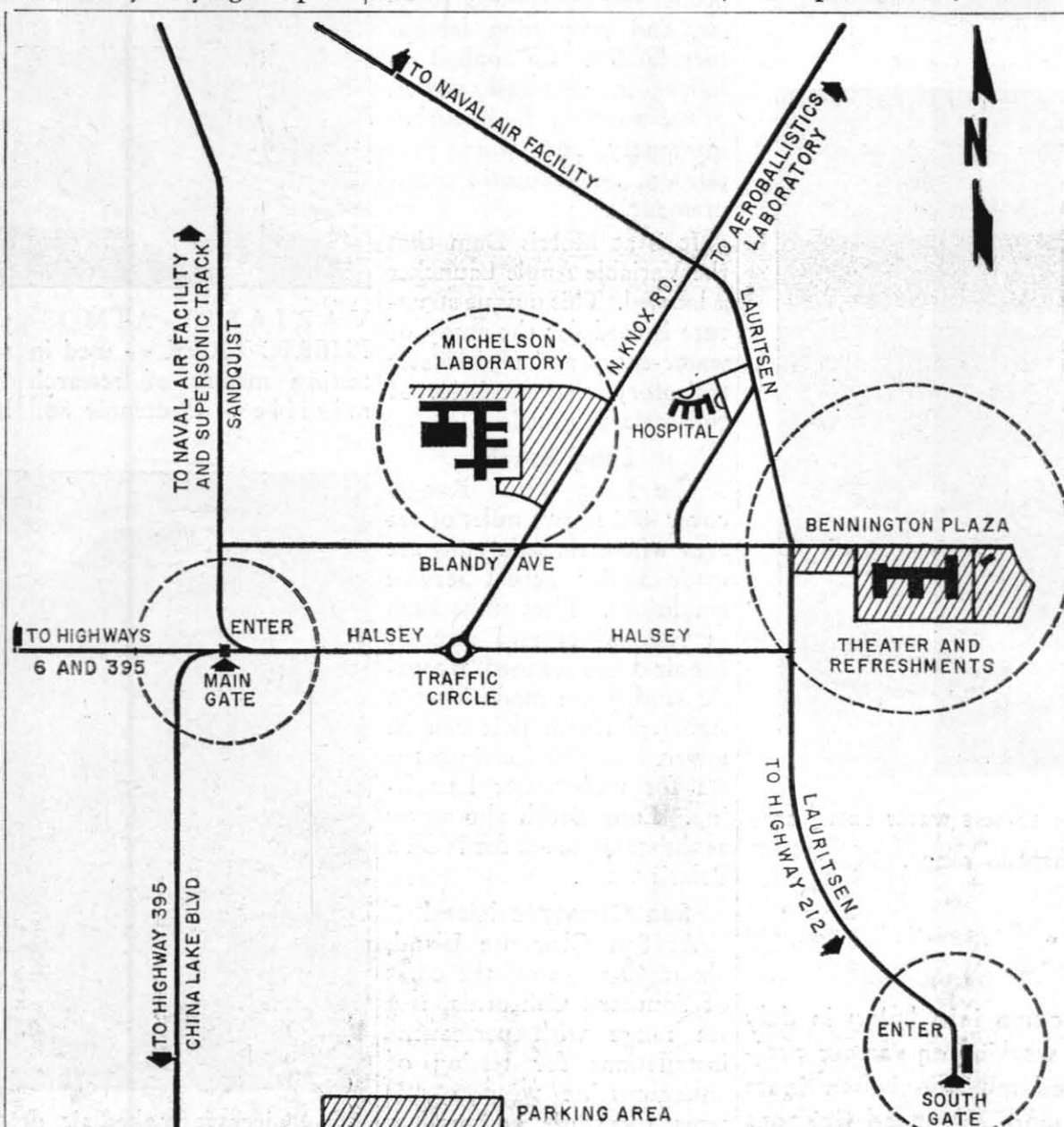
ARMED FORCES DAY

MAY 21, 1960



U. S. NAVAL ORDNANCE TEST STATION

China Lake, California



Visitors and Station residents are urged to use the free shuttle bus service.

WELCOME TO CHINA LAKE



Captain W. W. Hollister
Commander, NOTS

We take this opportunity to welcome all of you to the U. S. Naval Ordnance Test Station. This is the Navy's major center for the research, design, development, and testing of new weapons—all the way from an idea to the finished product ready for fleet use.

Our facilities include the latest and finest of laboratory equipment for scientific research, a completely equipped modern machine shop, a pilot plant for the development of new missile propellants and explosives, an IBM 709 computer, and over 1,700 square miles of instrumented test ranges to record the performance of new weapons.

We place great emphasis on our civilian-military NOTS team. They collectively form some of the Nation's best creative and scientific minds. It is their earnest endeavors which have produced some of the Navy's most effective weapons.

Most important of all we take pride in showing you the results of our teamwork—the effective, dependable, and economical weapons which NOTS has developed for the defense of our country. You will see an actual firing of the Sidewinder, the only guided missile which has been successfully proven in combat. Also, you will see a demonstration firing of a development program sled at the SNORT facility.

You will see static displays—various aircraft drones used in weapons testing, aviation ordnance, the Zuni 5-inch rocket, and aerological and survival equipment used in aviation. A cut-away model of RAPEC I, the newest and most successful device for safely ejecting a pilot from a high-speed aircraft will be exhibited in Conference Room A of Michelson Laboratory. Also on display will be other vital weapons and some of the Navy's newest and fastest jet aircraft which are used in our research and development programs.

We sincerely hope you enjoy a pleasant and informative visit.



Dr. William B. McLean
Technical Director

From Mule Team Trail To Research Center

Instead of the sharp crack of the mule skinner's whips that once echoed up and down the 1700-square mile area of the U. S. Naval Ordnance Test Station that straddles the roads once trodden by the famous 20-mule teams, today the thunderous roar of high-powered rockets rends the still air of the Mojave Desert and historic Death Valley Borax Road.

This intriguing contrast between the old and the new is the product of the U. S. Naval Ordnance Test Station since its official establishment on November 8, 1943. At NOTS, as this prime ordnance research and development center is known, an impressive array of scientific and military talent has been organized to provide the American military forces with superior ordnance armament. All activities—and the contributions of every resident—are geared to this one goal.

Conceived from the need for rocket-powered weapons during World War II, the modern, trim, and prosperous NOTS community as it is today mushroomed from the arid desert wasteland to become the Navy's largest ordnance research and development center. Organized under the cognizance of the Bureau of Ordnance, now known as the Bureau of Naval Weapons, this vast "proving ground" of sand has developed into a \$260 million government investment in the preparedness for defense which will help insure freedom and peace for Americans.

The history of NOTS is punctuated with historical rockets and missiles such as Holy Moses, Tiny Tim, Ram, Mighty Mouse, Zuni, and Sidewinder, to list only a few of its accomplishments. A complete list would include numerous rockets, missiles, and torpedoes, as well

as armament control systems to aid in the accurate delivery of weapons. In contrast to the earlier NOTS weapons, the Sidewinder has "brains" and can seek out and track down its target. Moreover, it has very few parts and is a model of simplicity in weapon design.

NOTS contribution to the development of life saving devices are as effective as its contributions in the development of weapons for warfare. Most recent is the successful development, completion and release, in less than two and one-half years, of the Rocket-Assisted Personnel Ejection Catapult (RAPEC I). Released to the Fleet last December, RAPEC I is a new rocket catapult escape system which will increase pilot and aircraft survivability in accidents below 2000 feet.

The focal point of scientific activity at NOTS is the imposing structure of the Michelson Laboratory. This completely air-conditioned, earthquake-resistant concrete building boasts an impressive 10.3 acres of floor space, housing what is probably the largest group of scientists and engineers ever assembled in one place.

This Mojave Desert community, named after a dry lake that was once panned for gold by Chinese prospectors, is located 155 miles northeast of Los Angeles, covering an area larger than the entire state of Rhode Island.

Residents of this boom town weapon-development center live a full and normal American community life, distinguished, perhaps, by their conversation—a synthesis of Navy lingo and scientific jargon. Life at China Lake is peaceful and quiet for its 10,000 citizens. Its intellectual society, with its numerous baccalaureate and ad-

vanced university degrees, would rival that of any college town in the country.

Violence and refractory incidents are almost unheard of. This placidity and security seem to constitute a natural spawning ground for outside interests and extra-curricular activities. In addition to numerous societies and organizations, there are over 50 craft and hobby groups on board.

There is a complete shopping center, including a super-market type Commissary Store, Navy Exchange, theater, library, bank, post office, barber and beauty shop, laundry, dry cleaners, telephone exchange, eating establishments, and other facilities.

A community chapel is used by different religious denominations for church, Sunday School, and other religious services. The public school system, covering kindergarten through high school, is among the best in California.

Evening classes for adults are particularly popular and provide educational opportunities in a wide variety of fields at both high school and college levels. A graduate program of engineering and science subjects is offered by the University of California at Los Angeles.

The vacationland surrounding this community provides residents with extraordinary recreation possibilities in its bordering mountains. Outstanding working conditions embracing excellent equipment, materials, comfortable air conditioned buildings and close proximity to their work are other advantages enjoyed by NOTS employees.

Like so many rugged pioneers who dug and panned this Mojave Desert country for gold in the early days—residents have struck it rich!



Blandy Avenue, main thoroughfare, separates Bennington Plaza (left) and the All-Faith Chapel.

The NOTS Worker

He is a man who has labored much in the sun. His face a character study in deep lines and scars, a relief map etched by thousands of yesterdays of hard work. Yet, too, he is a man of good nature, and good will. Though as democratic as ham and eggs, he is oft independent as "Snuffy" Smith.

He is perhaps 30, 40, 50 years of age, maybe 60 and yet no age at all. On the job, his savvy and know-how is the envy and admiration of fellow workers—he is your NOTS hard-core man, your scientist, engineer, technician truck driver, range guide, etc.

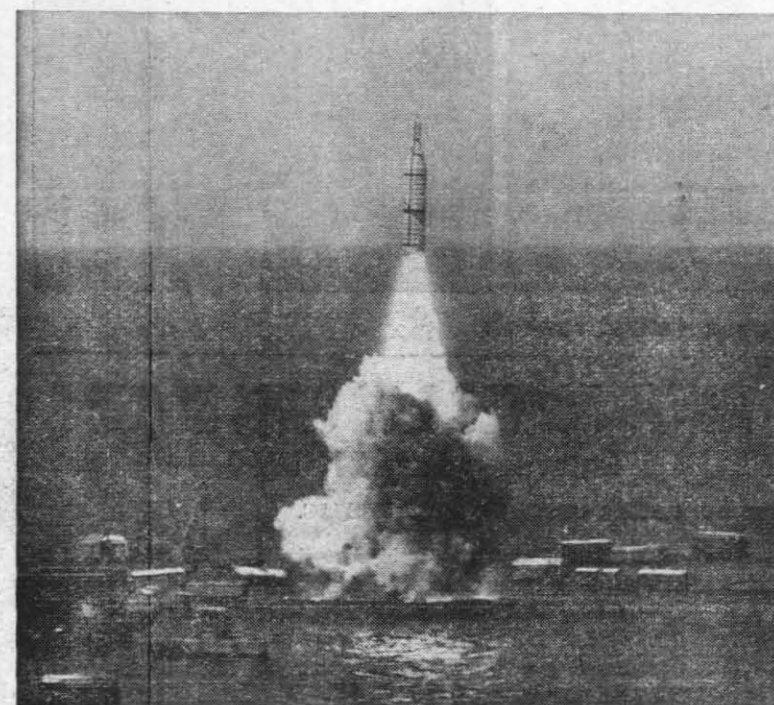
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Pasadena Team Develops Undersea Weapons



Polaris test missile launched from below the surface by a prototype of the submarine launching system, then propelled on a short controlled-flight. Facility is located at San Clemente Island.

Our Mission And Activities

The principal objective of NOTS Pasadena is to plan and conduct a program of research and development in the field of underwater ordnance, including complete torpedo and missile weapons systems for the Fleet.

NOTS carries ordnance developments through from inception of an idea to the production stage.

To carry out its work, NOTS maintains many unique facilities. One such facility created by NOTS engineers is the Hydrodynamic Simulator which tests torpedoes and torpedo components under simulated hydrodynamic and acoustic conditions prevailing in the actual environment. Feeding pertinent information through its computers, the torpedo in the simulator operates as it would at sea.

In a Hydroballistics Model Laboratory, experiments to test hydrodynamic theory are conducted in a variable-angle, variable-pressure launching tank and the trajectory is recorded.

Chemistry Research, Hydropropellants, Gyro, Structures, Torpedo Preparation, and Electronics Laboratories are also located at Pasadena.

Morris Dam

At Morris Dam, on the San Gabriel River about 20 miles east of Pasadena, NOTS maintains many types of launching facilities for torpedoes and underwater rockets, and propulsion laboratory facilities for applied research in chemical power, prime movers, hydroturbomachinery, underwater propulsion, and acoustic measurement.

It is at Morris Dam that the Variable Angle Launcher is located. This unique structure is used for the study of water-entry and underwater trajectory characteristics of full-scale projectiles.

Long Beach

The Long Beach Ranges cover 476 square miles of sea area where torpedo runs are made under actual service conditions. Fleet units such as submarines and aircraft for air drops are used. Acoustic studies are made from a stable platform that can be lowered to 600 feet into the sea for underwater launching. Long Beach also serves as the staging area for NOTS Polaris work.

San Clemente Island

At San Clemente Island, about 60 miles off the coast of Southern California, is a sea range with permanent installations for testing of antisubmarine weapon systems; torpedoes, and underwater rockets.



Capt. Charles J. Beers
Officer in Charge



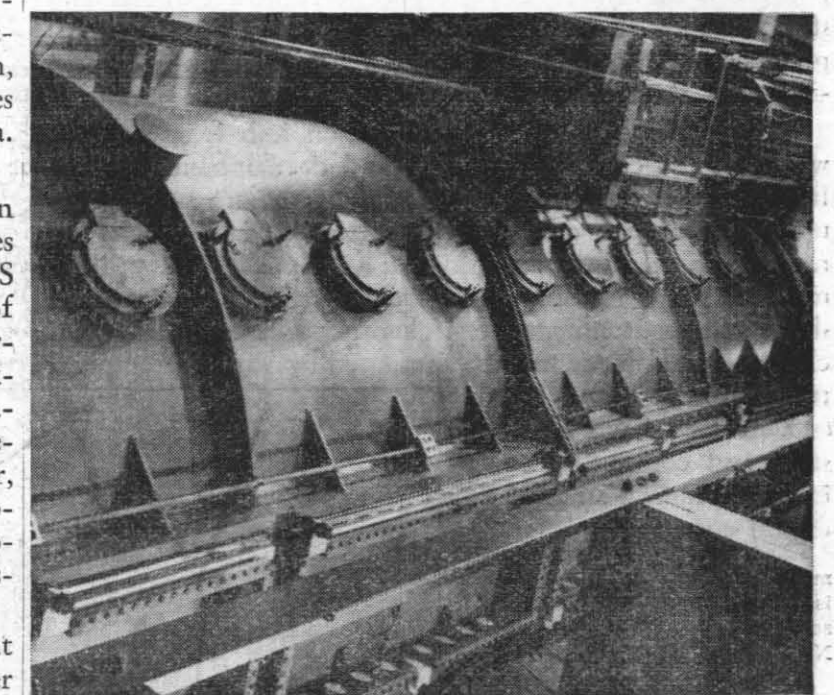
Douglas J. Wilcox, Head
Underwater Ordnance

Welcome Aboard

A very warm welcome to the exhibit of the Naval Ordnance Test Station, Pasadena! We are pleased to have the opportunity of showing you a part of our work, including several of the newest weapons for the Navy.

The purpose of Armed Forces Day is primarily to inform you of the defense capabilities of our government, and to help you become better acquainted with military installations in your neighborhood.

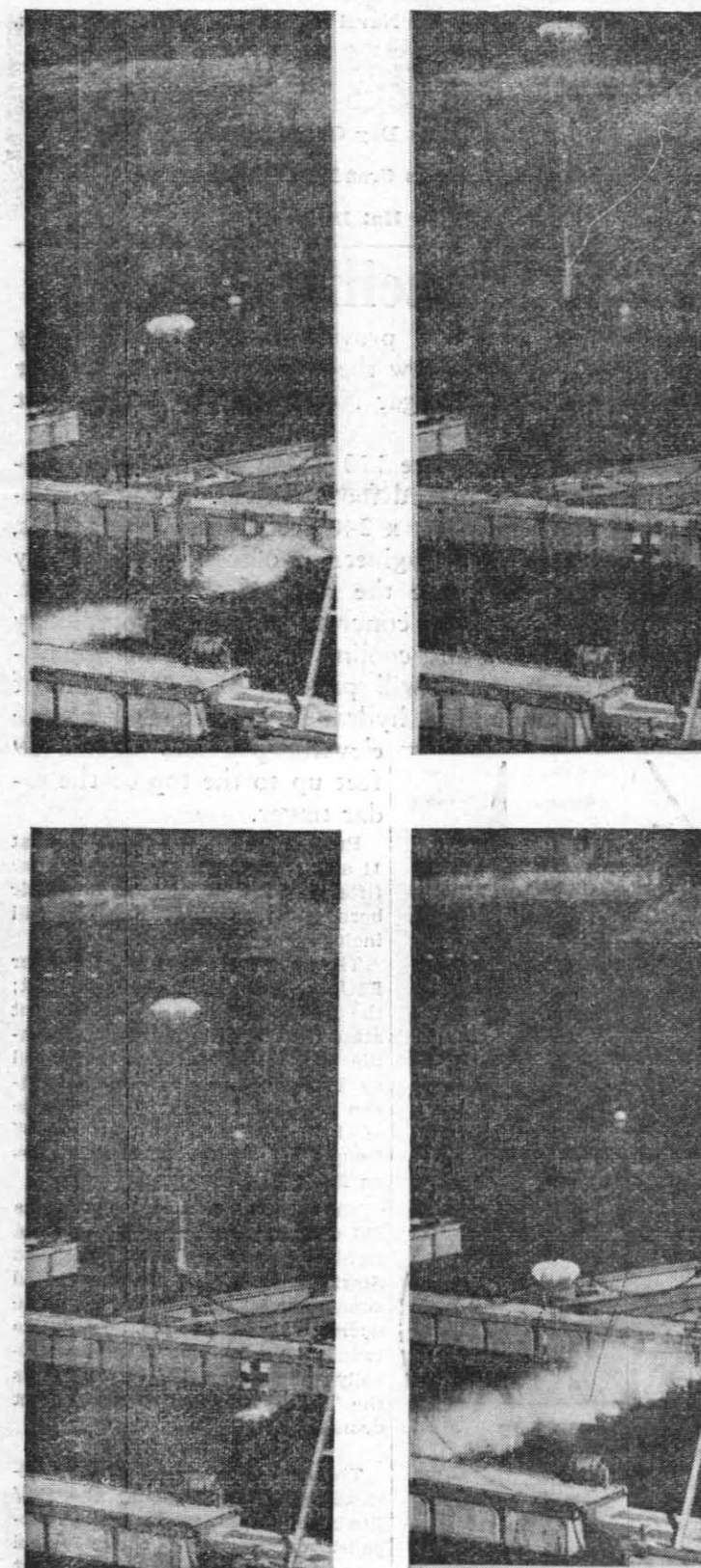
As Officer in Charge of NOTS Pasadena, and Head of the Underwater Ordnance Department, we hope that as a result of your visit to our exhibit today you will gain an increased understanding of our role in the defense of our nation.



VARIABLE ATMOSPHERIC TANK — used in testing models of research missiles. Electronic and photographic data are obtained during tests in this 12-foot diameter, 36-foot high pressure tank.



AD-4 aircraft makes air drop to test water entry and prove release mechanism performance.



Sling-shot like launch is made to test water entry at the Morris Dam torpedo range.

NOTS at Pasadena actually came into being in July 1948. From scattered groups working on various projects, today it is an integrated military-civilian team working onward to more and more advanced weapons systems.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

The Special Services Division would like to welcome all visitors to China Lake this Armed Forces Day. We particularly hope you will attend and enjoy the movies at our Station Theatre. The show will run continuously from 9 a.m. to 4:30 p.m.

SHOWBOAT

TODAY MAY 20
"BECAUSE THEY'RE YOUNG" (98 Min.)
Dick Clark, Tuesday Weld
7 p.m.

High school teacher gets involved trying to help a tough delinquent and other students despite warnings of the principal. Interesting teenagers and lots of plot.

Adults-Young People
SHORTS: "Trapeze Please" (7 Min.)
"Below the Keys" (7 Min.)

SAT. MAY 21

ARMED FORCES DAY
9 a.m. to 4:45 p.m.
Continuous NOTS films.
No admission charge.
Closed from 11 a.m. to 12 noon.

EVENING
"VALLEY OF REDWOODS" (63 Min.)
John Hudson, Lynn Berray
7 p.m.

Two safecrackers and their girl accomplice heist their loot from a lumber mill. A double-cross proves there's no honor among thieves.
Adults-Young People
SHORTS: "Deel Adventure" (46 Min.)

SUN.-MON. MAY 22-23

"WAKE ME WHEN IT'S OVER" (126 Min.)
Ernie Kovacs, Dick Shawn
6 and 8:15 p.m.

Air Force vet is erroneously re-drafted and sent to a forsaken Pacific island. Bored, he conceives the idea of building a resort complete with 54 native chambermaids.
Adults-Young People

TUES.-WED. MAY 24-25

"TENSION AT TABLE ROCK" (93 Min.)
Richard Egan, Dorothy Malone
7 p.m.

Gunsman wrongfully acquires reputation as a coward until he saves a friendly sheriff's life from a cattle-drive town bustle. Lots of action.
Adults-Young People
SHORTS: "Wonders of Ontario" (19 Min.)

THURS.-FRI. MAY 26-27

"TOUCH OF LARCENY" (91 Min.)
James Mason, Vera Miles,
George Sanders
7 p.m.

Former submarine Commander, tied to a desk, tries to find money to lure a former flame into marriage. His ruse is to falsely defect to the Russians with secret document, but...?
Adults
SHORTS: "Boss Is Always Right" (7 Min.)
"Beyond Frontier" (10 Min.)

GEBA Assessment No. 38 Is Now Due

Walter J. Mader, Jr., 44, died May 12 in Bakersfield at the Kern General Hospital following a brief illness. Due to his death, members of the Government Employees Benefit Association should submit payment for assessment number 38. A check for \$1000 was paid to his beneficiary.

Mader was an active member in founding the local GEBA group in 1953. He was employed in Test Department as a Motion Picture Development Equipment Mechanic at the time of his death. Funeral services and interment were held in Fresno last Tuesday.

Payment of \$110 may be mailed to the residence of GEBA secretary-treasurer Frank M. Brady, 302-A Groves, China Lake.

The Valley Riders invite everyone to a barbecue on Saturday afternoon after the Armed Forces Day program. It will be held at the Valley Riders Barn on Bowman Road in Ridgecrest. The barbecue will be served from 4 p.m. and will cost \$1.50 for all you can eat—including coffee. There will also be cokes and soft drinks.

Station Dances
As announced at last week's well-attended Station dance, Hilo Hattie and her Hawaiian Revue will be here to entertain next month. The date to remember is Wednesday, June 15. Carlyle Nelson and his band will play for dancing starting at 8 p.m. Plan to come in your favorite Hawaiian attire and enjoy an evening of enchanting Island rhythms and a sparkling show featuring The Incomparable Hilo Hattie!

All Station personnel 21 years old and over are invited. Reservations for groups of eight or more may be made by calling Ann Seitz at the Community Center, Ext. 72010.

Divers Progress
"Sage Sharks Diving Club" is the name chosen by the recently organized skin and SCUBA divers. Each Saturday morning the enthusiastic members meet at the Station pool to gain proficiency in diving techniques in order to become qualified skin and SCUBA divers.

They also meet on Thursday evenings to learn diving theory, take written tests, and conduct club business. They are all hoping to take their graduation dive the third week in June, which will be the time of their first group excursion to the Pacific.

Pinochle Tournament
To date, Les Fairall of Safety Division, is high point man in the current Pinochle tourney. Anything can happen as 20 players have yet to finish their 30 games.

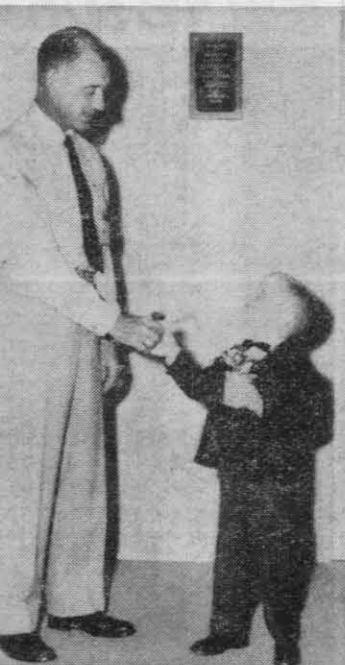
It has been suggested that double-deck, partnership Pinochle be played at a future tournament. These suggestions are always welcome. If you like this idea or have a favorite tournament game in which you would like to participate, please contact me at Ext. 72010 or at my office in the Community Center.

Raft Club
Open House will be held tomorrow beginning at 2 p.m. at the Raft Club in observance of Armed Forces Day.

The Maytime Dance, featuring Mel Cohn and his five-piece combo, will start at 8:30 p.m. Special intermission entertainment will be provided by Frank Kahapea, Dodie Gorrone and Jeannie Crockett. Refreshments will be served.

Hard work is an accumulation of easy things you didn't do when you should have done them.

Buddy Poppy Day



FIRST CUSTOMER—Capt. W. W. Hollister buys the first Buddy Poppy of VFW's annual drive from 4-year-old Eddie Kenny. Starting today, the campaign is aimed to raise funds for national benefit as well as local aid. Approximately \$3,000 in relief was distributed locally during the past year by the local VFW Ship 4084 and its Auxiliary.

Ass't. Atty. Gen. to Address NAACP

Franklin H. Williams, Assistant Attorney General of the State of California and Chief of the Constitutional Rights Section of California's Department of Justice will be guest speaker at the NAACP annual banquet to be held Wednesday, May 25, at the VFW Hall.

A veteran of World War II, he presently serves on the Board of Directors of the American Civil Liberties Union and the American Association for the United Nations.

Utilizing his wealth of knowledge in the fields of law and public relations, Williams has much to offer in the NAACP area, having served in their national office and also assumed the post of Secretary-Counsel in 1950, supervising all of its legal and legislative work throughout the nine western states.

The public is invited to attend. Tickets may be obtained from James Sims, Ext. 9253 or 7-6593.

Rev. Charles Edwards to Address Church Members

The Rev. Charles Edwards, candidate for the position of Minister of Christian Education at NOTS, will speak tonight at the All-Faith Chapel at 7 p.m.

Presently serving as assistant minister and Director of Christian Education at the First Presbyterian Church in Modesto, he has also participated at every high school conference during the past nine years as either a recreation director or teacher.

A reception will be held following the service. Everyone is invited to attend.

People will believe anything you tell them if you whisper it.

Newly Promoted Captain Brooks Will Serve as Executive Officer

Captain Sidney Brooks, Assistant Experimental Officer for Test and Evaluation in Test Department since he reported aboard in October, 1957, was promoted to Captain at ceremonies officiated by the Station Executive Officer, Captain H. B. Hahn, on Friday, May 6. The effective date of his new rank was May 1.

Although Capt. Brooks has received his orders to report to the staff at the U. S. Naval Postgraduate School at Monterey, California, in July, he will relieve Capt. Hahn as Executive Officer and serve until relieved by Capt. Quense.

Capt. Hahn has received his orders to report to the U. S. Naval Academy at Annapolis as Director of Naval Science. He will be detached on May 31.



Capt. Hahn Capt. Brooks



52ND ANNIVERSARY—An elaborate coffee break added a festive touch to the celebration of the Navy Nurse Corps' 52nd anniversary at the Station Hospital last Friday. Navy nurses shown at cake cutting ceremony (l-r) are: Cdr. Iris E. Givens, senior nurse; LCdr. Berniece Sigmund; LCdr. Frances Anderson; and LCdr. Martha Myers.

NOTS Navy Nurses Observe 52nd Anniversary of Corps

Officers of the Navy Nurse Corps celebrated the 52nd anniversary of the founding of the Corps on May 13 by serving coffee and cake to the staff personnel of the Station Hospital.

Commander Greaney, Station Medical Officer, stated that the Medical Department and the Navy is proud of the fact that professional nurses have been a part of the Navy since 1908 and that, as the nursing profession has grown over the years, so has Navy nursing.

Today, there are nurses serving with the Navy at some 153 duty stations around the world; on land in naval hospitals, station hospitals and dispensaries; at sea, aboard hospital ships and the ships of the Military Sea Transportation Service; and in the air in aero-medical nursing.

There are four Navy nurses and seven civilian nurses on duty at the Station Hospital. Commander Iris E. Givens, NC, U. S. Navy, is the Senior Nurse Corps Officer aboard and is the Chief of the nursing service. Commander Givens was commissioned as Ensign in 1942 and has been on continuous active duty since February, 1942.

Other Nurse Corps Officers serving on duty at the Station Hospital are: LCdr. Frances Anderson, LCdr. Berniece Sigmund, and LCdr. Martha Myers.

Those not attending the dinner are invited to hear Dr. Lehner speak at 7:30 p.m.



SANDQUIST SPA—Clean-up, Paint-up, Fix-up fever has extended to the renovation of this popular Navy picnic area in time for the coming ideal weather for outdoor recreation. Newcomers will find it by driving 5 miles west of the Main Gate on the Inyokern Road to the marked turnoff. Reservations should be made in advance for parties of 10 or more by calling the Community Center, Ext. 72010. William Mayes, SA, (left) and Sam Todd, SA, inspect the barbecue pits. A concrete dance floor and hut with refrigeration and stoves equip the area.

Thousands Expected for Armed Forces Day Science in Action Will Be Reviewed

BUDD GOTT, EDITOR PHONES 71354, 72082, 71655 OFFICE, HOUSING BLDG., TOP DECK
Vol. XVI, No. 20 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA May 20, 1960



EVALUATION TEAM—Army and Marine Corps personnel join forces to assist Convair in the development of the new Redeye missile system, now in its advanced stage. Seated in front row (l-r) are: S/Sgt. Ivan Goff, USMC, Gy/Sgt. John Coryell, USMC, Capt. W. D. Huddleston, USMC, S/Sgt. Wm.

Chisom, USA, and Pfc. David DeMince, USA. Back row (l-r): Sp4/C Charles Shaded, USA, Sp4/C Arnold Tomlinson, USA, Pfc. Robert Conklin, USA, A/Sgt. Frank Bonk, USMC, and Pvt. Gerald Price, USA. The Redeye team, assigned here in January 1960, is headed by Capt. Huddleston.

NOTS Apprentices Graduate Next Week

Twenty-two apprentices will be presented with certificates of apprenticeship by H. G. Wilson, Associate Technical Director, at the annual graduation ceremonies to be held next Friday at 2 p.m. at the Community Center. Principal address will be delivered by Capt. W. W. Hollister.

In addition to representatives from Station Management and Bakersfield College, officials from several trade unions will participate in the exercises where graduates will accept their journeyman certificates or tools appropriate to their trades.

Completing a four-year program of academic courses work, trade theory instruction, and shop experience, the apprentices will receive copies of official nominations for an Associate in Arts degree from Norman Harris, Dean of Vocational and Technical Education at Bakersfield College.

The Station conducts apprentice training for the purpose of developing highly skilled artisans, future key employees and supervisors. These objectives are met through a program which involves rotational job assignments under the leadership of skilled shop instructors and supervisors.

The program also provides for their development in technical knowledge, good citizenship, character, industry and personality through college courses offered by Bakersfield Junior College.

Local AOA Will Honor Dr. McLean Tuesday

The American Ordnance Association will honor Dr. Wm. E. McLean, Station Technical Director, by presenting him with the Association's Blandy Medal at their dinner meeting to be held at the Club next Tuesday, May 24.

Members of the China Lake Post and approximately 85 members of the AOA Fuze Section are scheduled to meet here at that time.

H. G. Wilson, Associate Technical Director, and president of the China Lake Post, will preside. Rear Admiral P. D. Stroop, Chief of the Bureau of Naval Weapons, will be guest of honor. The main address will be delivered by Dr. McLean.

Nearly half of all Federal civilian employees work for the Department of Defense in direct support of our land, sea and air forces.

Army and Marine Units Evaluate New Weapon

The Redeye Evaluation Group, headed by Capt. W. D. (Dale) Huddleston, USMC, is the NOTS based portion of the joint Army-Marine effort to develop and evaluate a unique, manually operated, surface-to-air guided missile system.

The local ten-man unit consists of four Marines and six Army men. The Army personnel were formerly attached to the Air Defense Board, Ft. Bliss, Texas, and the Ordnance Mission, White Sands Missile Range, New Mexico.

Redeye is a man-transportable missile system designed to destroy low-flying jets or conventional planes. It is approximately four feet long, and weighs about twenty pounds. The launcher resembles the famed "bazooka" of World War

II and Korea in appearance only. The missile itself is a composite structure containing propellant, high explosive warhead, and an electronic guidance system. Both the missile and its launcher can easily be carried by one man through underbrush and rugged terrain where no other type of anti-aircraft weapon could be transported.

Referring to the six million development contract awarded to Convair, Lt. Gen. Arthur G. Trudeau, Chief of Army Research and Development said, "If the Redeye research program meets all our expectations, we will go into production on a large scale. . . it would be a big contract. No weapons can be bought cheaply anymore."

Thousands of visitors are expected to throng the Station tomorrow morning to attend the annual Armed Forces Day open house, as the usually closely guarded Station gates swing open at 8 a.m. Once a year the public is invited to see how their tax dollar is spent while witnessing the latest in NOTS research, rocket and missile advancements.

A variety of scientific exhibits and demonstrations will share the spotlight along with civic endeavors to depict the way of life at NOTS. An informative and colorful Armed Forces Day program has been outlined to demonstrate the impact of the AFD theme "Power for Peace."

Opening the steady stream of tomorrow's activity, two jet fighters will launch Sidewinder infrared-guided missiles beginning at 11 a.m. at the Naval Air Facility. Fifteen aircraft, ranging from jets to target drones will be displayed at Hangar 3, and visitors are invited to operate the remote control equipment of two World War II Navy planes prepared for exhibit.

The Marine Corps will also show its mobile Terrier guided missile launching equipment along with Station-developed Sidewinder and RAT missiles and the Zuni rocket. **SNORT Area**

A spectacular rocket sled run, scheduled for 3 p.m. is timed to coincide with burning of 5,000 lbs. of surplus powder about 1,200 feet west of SNORT track. The 2,000 lb. sled, powered by three solid propellant rocket engines having a total of 34,100 lbs. thrust, will reach a maximum velocity of 500 miles per hour, and no water brake will be used. The slow run has been programmed in order to accommodate the anticipated crowd of camera enthusiasts.

In addition to the track performance, a general open house will be held from 1 through 4 p.m. where the control building and other facilities will be open for inspection. **Bennington Plaza**

Community clubs and some Station departments will graphically portray their services and accomplishments at a sidewalk display on Bennington Plaza. Art works of approximately twenty Valley residents will be featured and a portion of these will be for sale.

The Station Theatre will show movies of NOTS research programs beginning at 9 a.m. until 4:45 p.m.

Station gates will be open to the public at 8 a.m., and there are no restrictions on the use of cameras, according to Lt. Col. R. C. Kuhn USMC, Armed Forces Day project officer.

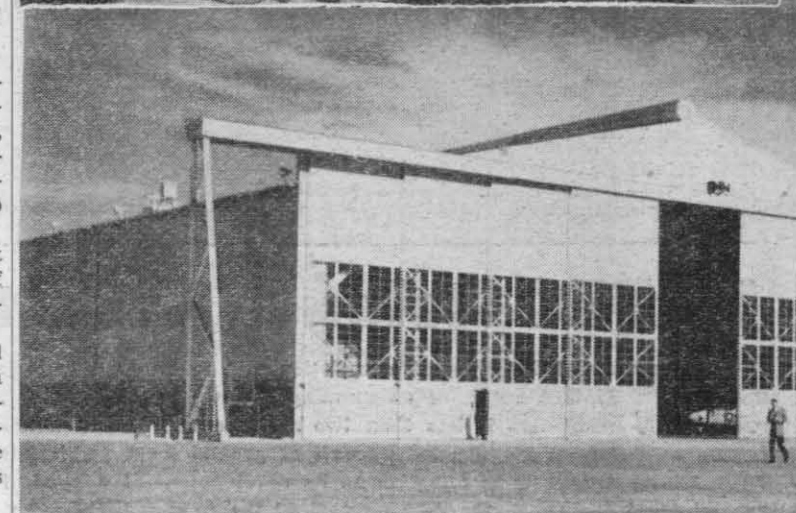
Holiday Weekend Business Hours

Most business activities on the Station will be closed during the three-day Memorial Day weekend, May 28-30. Variation from the regular business hours will be observed as follows:

The Navy Exchange and other Bennington Plaza activities such as the Library, the Commissary Store, and the Bank of America will close on Memorial Day. Sunday hours will be observed on Monday by the Outdoor Shop, Service Station, and Golf Course.

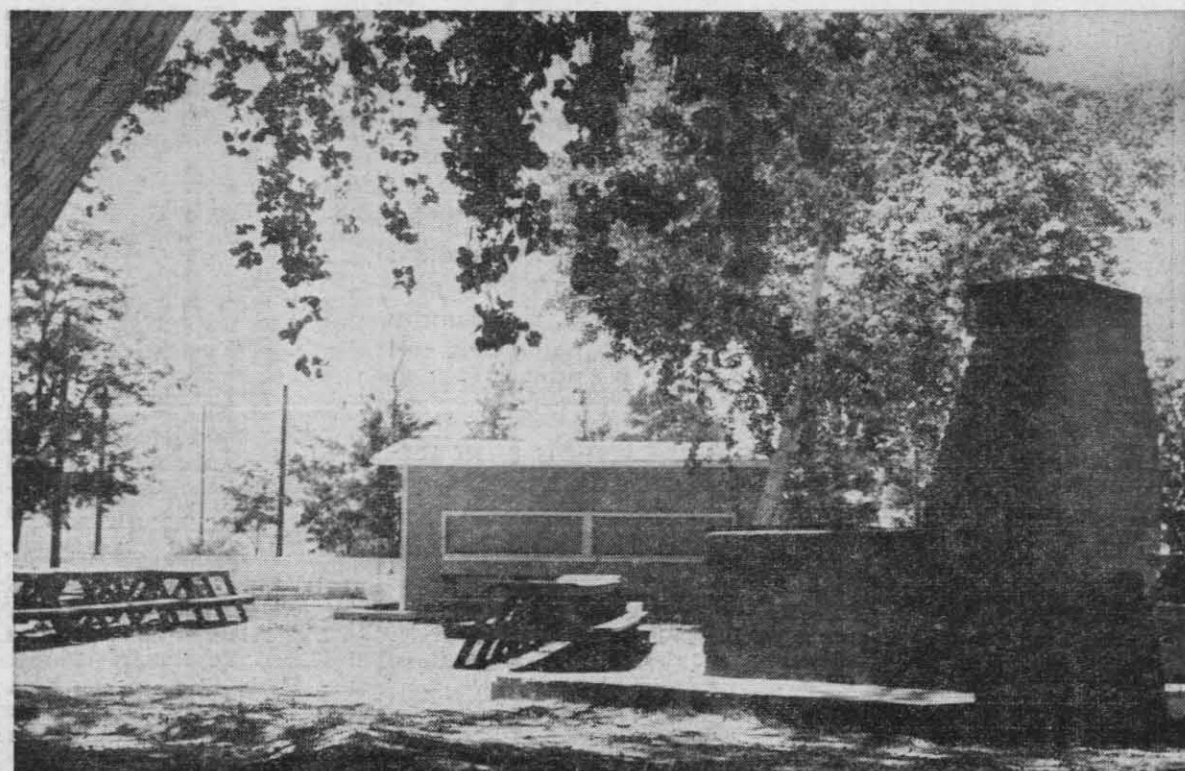
The Station Restaurant will observe Sunday hours on Monday, 7 a.m. to 1 p.m.

Marine Corps Exchange will be closed all day Saturday, May 28, and Monday, May 30.



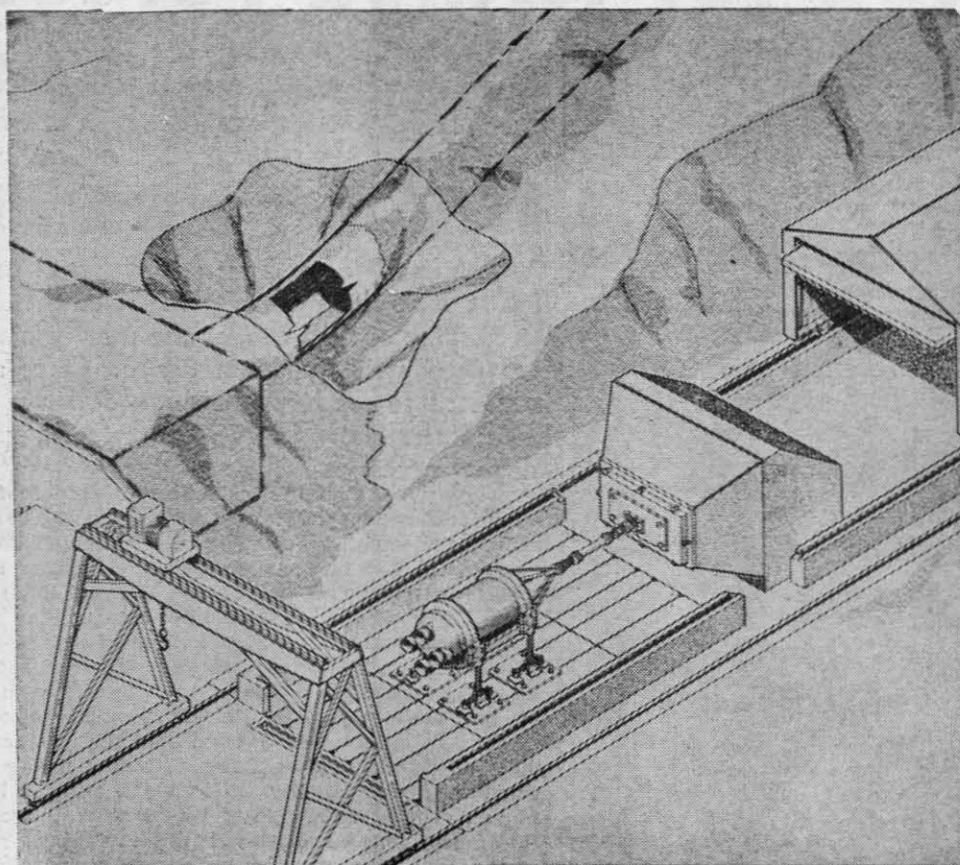
FINAL PAYMENT—Captain T. J. DuMont (left), Resident Officer in Charge of Construction, accepts from George Bronaugh, Project Manager of Diversified Builders, Inc., the request for final payment on the construction of the \$4 million Hangar No. 3 and aircraft parking area which was started in January, 1958, and completed in January,

1960. The double bay hangar, large enough to hold 75 two-bedroom houses, is occupied jointly by the Naval Air Facility, and parts of the Aviation Ordnance Department. Armed Forces Day will provide the general public the first opportunity to inspect the new structure, as well as an opportunity to view the latest in jet aircraft.



Schematic of NOTS-built 1 Million-pound Polaris Test Stand

Another NOTS achievement since Armed Forces Day last year is the 1,000,000-lb. Polaris Test Stand which went into full-scale testing late last year. Built to handle solid propellant engines of the Polaris missile, the facility strives for 400 per cent greater accuracy than has been possible before. The NOTS test facility is the only one of its kind.



Promotional Opportunities

Current Station employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Management Analyst, GS-11, PD 18532-1, Code 174. The incumbent is responsible for planning, coordinating and carrying out specific major analysis projects in the technical support departments of the Station as assigned by the Division Head.

Shop Planner (Pipewriter), \$3.17 to \$3.43 p/h, Code 4553. This vacancy is in Facilities Branch, Process Development Division, Propulsion Development Dept. Persons on the register for Shop Planner (Pipewriter) will be automatically considered.

Shop Planner (Refrigeration & Air Conditioning Mechanic), \$3.17 to \$3.43 p/h, Code 4553. This vacancy is in Facilities Branch, Process Development Division, Propulsion Development Department. Persons on the register for Shop Planner (Refrigeration & Air Conditioning Mechanic) will be automatically considered.

Shop Planner (Electrician), \$3.17 to \$3.43 p/h, Code 4553. This vacancy is in Facilities Branch, Process Development Division, Propulsion Development Department. Persons on the register for Shop Planner (Electrician) will be automatically considered.

*These positions are advertised to learn if



Q. May one member transfer shares to another member of this Credit Union without loss of dividend on the account?

A. Article III, Section 4 of Federal Credit Union bylaws provides: Shares may be transferred only from one member to another, by written instrument in such form as the board of directors may prescribe. Such transfer shall carry dividend credits with it. The Board may require payment to this Credit Union of a fee of 25 cents for each such transfer and, if so required, such fee shall apply to all transfers.

Burroughs Will Stage Annual Spring Concert

The Burroughs High School Music Department will present their annual Spring concert for the general public next Thursday, May 26, beginning at 7:45 at the Murray Cafeteria.

The Boys' and Girls' Glee Clubs, Mixed Chorus, and the Band will be featured in their outstanding selections. Student directors Harriet Eriksson of the choir, Mike Fullerton of the band, will direct several numbers during the course of the evening.

Neal Olsen will direct the Tripoli trumpet trio, which includes Barry Schilberg, Patrick Wadden, and Art Donaldson.

Tickets may be obtained from any member of the music groups or purchased the night of the concert. Tickets are 75 cents for adults and 50 cents for children.

There are any individuals interested in the position who can be re-promoted because of having previously held an equivalent or higher rating in the trade involved.

File applications for above positions with Dixie Shonahan, Room 26, Personnel Bldg., Ext. 72676, by May 27.

Electronic Engineer, GS-9, PD 28719, Code 3031. Implements, evaluates, operates and maintains electronic circuitry of data handling systems development under the cognizance of the Data Automation Branch.

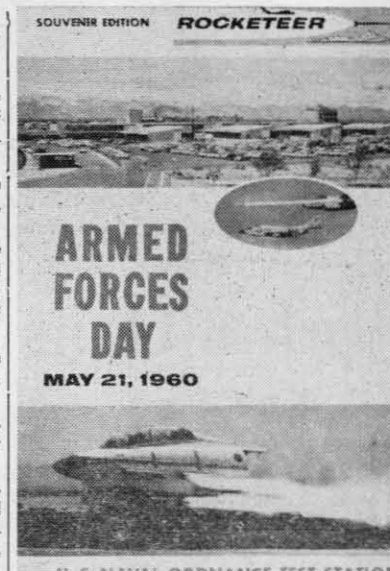
File applications for above position with Pat Dettling, Room 34, Personnel Bldg., Ext. 72032 by May 27.

Editorial Clerk, GS-4, PD 22263, Aml-1, Code 7511. Copyreading and marking for composition and editorial proofreading.

Production Control Specialist (Electronics), GS-11, PD 055047, Code 5541. Advise and aid engineering personnel of the various research, test and rocket design groups of the Station in the electronics components programs, primarily concerning investigation, evaluation, planning, coordination of manufacturing techniques, facilities, capacities, resources, production engineering, etc.

Heavy Duty Equipment Mechanic (2), \$2.83 to \$3.07 p/h, Code 7076. Maintains repairs, overhauls, modifies and tests such heavy type gasoline and/or diesel powered equipment as tractors (crawler and wheel types), road grading equipment, cranes, fork lifts, railway locomotive, earth moving equipment and attachments for such equipment. Note: Must be able to report to San Clemente Island part of the time.

File applications for above positions with Pat Gaunt, Room 31, Personnel Bldg., Ext. 71393 by May 27.



Cover design by TID Graphic Arts Branch

Applications Available For Absentee Ballots

Residents who know they will be off-Station on the day of the June 7 primary elections may obtain applications for absentee ballots by contacting Deputy Clerk Maxine Sutherland, 450-B Essex, Ext. 724252. Applications must be submitted between May 18 and June 2.

CHIEF CANDIDATE—Chief Ted M. Boyce receives hearty congratulations from Capt. Grell upon his selection as candidate for Indian Wells Valley Honorary Mayor. Boyce is backed by the Desert Empire Quarter Midget Assoc. and the NAF Air Frames Division. All proceeds are directed to the IWW Recreation Fund.



Armed Forces Day Is a Personal Affair

On Armed Forces Day, when the services annually put out the welcome mat to Americans and people of other countries for their better understanding, we who wear uniforms are unique participants.

We are not visiting spectators; along with the weapons on display we are exhibits, as we are also—according to our duties—interpreters to the public of the giant and complex defense machine we man.

It is also for us a day of curious pride. Who in the service has not had the feeling, at one time or another, that civilians really don't "know"—and therefore cannot appreciate—how important he and his job are in the military scheme where every man's efforts are, finally, interlocking?

He could try to tell them, of course, but unless he were an exceptionally able and persuasive talker he might end by sounding boastful. There's nothing like seeing things with one's own eyes—and that's a primary mission of Armed Forces Day. Let the public see us at our jobs, on our home grounds, let it see the technical resourcefulness and training that modern weaponry demands—the public, we're confident, will go away impressed.

Another good and practical reason for such a day is that the American taxpayer likes to get his money's worth. This year, more than half of his tax dollar—64 cents—will be spent for national security and defense. He is entitled

Meetings...

NRCC 11-1 will meet Wednesday, May 25, at 7:30 p.m. in Conference Room A, Michelson Lab. Capt. Irwin S. Moore, Director of Supply, will speak on the National Defense Seminar Program of the Armed Forces Industrial College.

UNAFFILIATED P.E.O.'s will meet at the home of Warren Fraehner, 210 Toro, Monday, May 23 at 8 p.m. All P.E.O.'s are invited. A report will be made on the State Convention held in Pasadena last week.

MEN'S FELLOWSHIP of the NOTS Community will hold a dinner-meeting in the East Wing of the All Faith Chapel at 6 p.m., Wednesday, May 25. Ridgecrest Attorney Burke West will speak on "Our Civic Responsibility."

One-day Blanket Drive To Be Held Next Week

Doing their part for the World Refugee Year, the Women's Guild and the Christian Outreach Committee of the NOTS Community Church are sponsoring a blanket drive to aid refugees from all over the world.

The Parish House, 71 Hussey Road, has been designated as headquarters and will be open from 9 a.m. through 4 p.m. on Thursday, May 26 for those wishing to contribute.

To a long, hard look at what he is getting in return. And the Armed Forces welcomes his scrutiny on this 11th annual day, May 21, that puts them in the spotlight. (AFPS)

Sports Slants

By Chuck Mangold, Athletic Director

Tomorrow night the Station softball team takes on the Lakewood Majors in a doubleheader with the first game scheduled to start at 7 p.m.

The NOTS team is made up from some of the best military and civilian players on the Station. Catching for the home team will be Denny Crager of the Pilot Plant team. Bob Kochman, Pilot Plant, and Ace Valenzuela, NOTS Special Services, will be starting pitchers.

At first base will be Mac McMillan of NOTS, Bobby Thompson of the Station Restaurant team will play second base. Earl Roby, Pilot Plant, is the NOTS shortstop. Billy Mathews, VX5, will play third base. The outfield is composed of Lou Radcliffe, Pilot Plant; Ron Cordes, VX5; and Max Smith, Pilot Plant. Other players who may see action include Joe Siebold and Burt Galloway of the Station Restaurant team and Buddy Deffes, Roger Short, Chuck Fritchman and Duane Goff from the Pilot Plant nine.

The Lakewood Majors are one of the best young softball teams in Southern California. For an evening of fine entertainment, come out and root for your favorite players. The games will be played at the Beer Hut softball diamond. There is no admission charge. Everybody is welcome.

The Lakewood Majors softball team finished third in the Western Softball Congress Tournament in 1959. Their team won the league batting championship last season. Ed Klecker, their eighteen year old pitcher, won the National Junior Softball Championship in 1959. Ed Shuff, the Majors manager, was voted the manager of the year by the Western Softball Congress.

Intramural Softball Schedule
May 21—NOTS vs Lakewood Majors
Dblhdr—1st game 7 p.m.
May 23—NAF vs Pilot Plant, 6 p.m.
May 23—Engineering vs Marine Barracks, 8 p.m.
May 24—Public Works vs Pilot Plant, 6 p.m.
May 24—NAF vs Station Officers, 8 p.m.
May 25—Marine Barracks vs Station Officers, 6 p.m.
May 25—NAF vs Public Works, 8 p.m.
May 26—VX5 vs Pilot Plant, 6 p.m.
May 26—NAF vs Engineering, 8 p.m.

Gene Cowley's Station Restaurant team, formerly known as the Engineering Department, pulled the upset of the season last Monday night when they beat the Pilot Plant team 1-0. This was the first loss in fifty-two games for the Pilot Plant nine who hadn't lost an intramural game in three seasons. Back to back triples by Bobby Thompson and Phil Davis in the first inning provided the winning run. Burt Galloway, the winning pitcher, allowed only two hits while Bob Kochman of the Pilot Plant team allowed three hits.

In another well-played game the same night, Jim McGlothlin's Station Officer's team upset the VX-5 nine by a score of 3-2.

Jasper Storm's Public Works team pulled a triple play in their ball game with the Station Officers last Thursday night. Al Celestine's bases loaded home run provided the winning runs for the Public Works nine.



TIGERS SPONSORED—Bob Freedman (r), president of China Lake Little League, accepts a \$200 check from the Engineering Department's Recreation Association secretary Lillian Peck. The \$200 represents the proceeds from a dance held recently to sponsor the Tiger A team. Witnessing the presentation is John L. Cox, Associate Department Head (1) and Leonard LaRosa, Sr., president of the Recreation Association.

News From Pasadena



GALLON CLUBBERS—Blood donors who have given more than a gallon to the NOTS Blood Bank include, front row (l-r): Sue Burg, Bob Swanstrom, Virginia Banister. Center row (l-r): Bill White, Ed Sterkel, Wally Lump, Bob Simeral. Back row (l-r): Art

Block, John Cross, Jack Petroff. Clubbers not included in the picture are Harlan Murray, Evelyn McDonald, Pat Roubideaux, Lloyd Berghagen, Ernie Feyrer, Jim Spillane, Mervin Coleson. All capable donors are urged to make their appointments.

Trip Seats Open

NOTS Overseas Club has announced that there are only nine seats left for their Hawaiian trip this September. NOTS employees and families interested should contact Nova Semey at Pasadena, or Marilyn Dempsey at China Lake for information or copies of the itinerary.

Season Opens for CL Little Leaguers

Season play for the major "A" teams of China Lake Little League will start next Monday on Diamonds No. 1 and 2 at the corner of Forrestal and Richmond. Plans for the grand opening of Little League and Babe Ruth League will be announced soon, according to Bob Freedman, Little League president.

The first week's game schedule is set for 6 p.m. each night. Games scheduled for Diamond No. 1 on Tuesday and Friday will be broadcast (B) over radio station KRCK (1360).

Diamond No. 1
Dodgers vs. Giants May 23
Red Sox vs. Dodgers (B) May 24
Tigers vs. Pirates May 26
Pirates vs. Dodgers (B) May 27
Diamond No. 2
Tigers vs. Yankees May 23
Giants vs. Pirates May 24
Red Sox vs. Yankees May 26
Red Sox vs. Giants May 27

Want Your Club Listed?

Call Georgia Bushnell
Richard Frederick, president of the Community Council, has obtained the services of Georgia Bushnell to compile a directory of all clubs and organizations in the Indian Wells Valley.

Up-to-date information regarding your club should be submitted to Georgia at 57-B Franklin, China Lake, or by Ext. 74654.

Ideas are like children—no matter how much you admire someone else's you can't help liking your own best.

LEAVING USS BUTTERNUT—Retiring Chief Harold R. Eynon is bid farewell by Commanding Officer Lieutenant William J. Gerrity. Eynon will continue to work at San Clemente Island as a civilian rigger-diver.

Chiefs Eynon, Moore Leave Active Service

The USS BUTTERNUT recently lost two Chiefs through retirement, Harold R. Eynon, BMC, and Chappell B. Moore, HMC. Both are veterans with over twenty years Naval service.



Chappell B. Moore, HMC

Eynon served as a Navy Master Diver during the POP-UP program, and formerly had a tour of duty as a diver at Morris Dam. He is married and makes his home in West Covina.

After attending the Hospital Corps and Deep Sea Diving schools Chief Moore served as a diving technician (medical). He served on six ships prior to his tour on the Butternut. Married, with three children, he lives in Covina.

Armed Forces Day Open House

Open to the public May 21 from 10 a.m. to 4 p.m. are displays and exhibits from all the Armed Forces as well as civilian organizations.

Located at the Naval Reserve Training Center, 2727 Paloma, Pasadena, the following NOTS exhibits will be on display in the main auditorium:

Mark 43 Model 1 torpedo; 1/5 scale Polaris model; SCUBA and Hard-Hat diving gear; JAKE, the dummy diver; 3-D Range charts and hardware; RAPEC pilot ejection; SELLEVISION story of Polaris launch; other torpedoes and hardware; topographical layout showing San Clemente Island installations.

"A man has a right to think lots of things he has no right to say."

—Ed Howe
A family man is one who has replaced the currency in his wallet with snap shots.

Personnel Statistics

New Employees
James R. Herndon, Mathematician, GS-7, P80 Professional Development Program; Audrey D. Lehmann, Telephone Operator, GS-3, P1911; Roger Bock, Mechanical Engineer, GS-13, P309.

Promotions
P256—Ellen E. Cotterman, from Procurement Clerk, GS-3, to Voucher Examiner, GS-4; Marie G. Broshous, Supervisory Procurement Clerk, GS-6, to Supervisory Procurement Assistant, GS-7; Sara J. Finkler, Supervisory Procurement Assistant, GS-7, to GS-8.