

Pictorial HiLights



REENLISTS FOR SIX—Commissary Store's Jimmie L. Choat, EN3, signed the dotted line for a new hitch in the Navy last week. Assigned here last August, Choat formerly served in Japan aboard the coastal minesweeper, USS Phoebe. He was sworn in for new cruise by Capt. Quense.



BENEFIT BALLET — Pat Eason, Judy McGinnis and Leanne Lippincott, members of the China Lake Ballet Society, rehearse a recital under the tutelage of Pat Holmquist. Performances of "La Boutique Fantasque" will be May 26 at 10 a.m. and May 27 at 2 p.m. in the Station Theatre. All proceeds go to scholarship funds for Burroughs P-TA and the Elementary Schools Music Parents Club. Tickets are 50 cents.



NEW CPOs! Traditional "boot Chief" ceremonies held this week at CPO Mess (Open) celebrated promotions of four NOTS men to pay grade E-7 and one lone Army man. Wearing a basket for a hat (left) is B. S. Murdock, SFC. Tie slightly askew is J. K. Walls, BTCA, and at right is R. H. Smith, AOCA. Not shown in photo but also promoted Wednesday was B. C. Sipin, PNCA, and C. Smith, AOCA.

Options Open for Paycheck Deposit

Included with your paycheck today is a Paycheck Deposit Authorization/Cancellation card for the purpose of conducting a quarterly review of the deposit system.

If you are now having your check automatically deposited and wish to discontinue the service, check the appropriate block and sign the card before returning it to the Disbursing Office, Code 1703. A short note stating your reason for discontinuance may prove useful in improving future service.

If you wish to start the automatic check deposit service,

complete and sign the card before returning it to Disbursing. A Power of Attorney form must also be submitted prior to May 28.

Requests for deposit will be effective June 1, and will continue in effect for three months from that date. Notary services for executing the Power of Attorney are available at the following places:

Ethel Lesha, NAF Hangar 1, Call Ext. 8381 or 8380.

Belle McKinney, Michelson Lab, Room 2036; Alma Matheny, Ad Bldg., Room 1022B.

SHOWBOAT

FRIDAY MAY 18
"RED HOT WHEELS" (91 Min.)
Clark Gable, Barbara Stanwyck
6 and 8 p.m.

(Action) Devil-may-care race driver is barred from midjet tracks due to the publicity by irritated lady columnist. He earns enough to stunt-driving to enter Indianapolis.
(Adults and Young People)

SHORT: "Crow's Feet" (7 Min.)
"Fabulous Mexico" (16 Min.)

-EVENING-
"MAGIC SWORD" (88 Min.)
Basil Rathbone, Estelle Winwood
6 and 8:15 p.m.

(Fantasy in Color) A version of St. George and the Dragon whereby George's foster mother, who is a witch, accidentally gets her brews switched and destroys his magic powers. (Family)

SHORT: "Coney Island" (24 Min.)

SUN.-MON. May 20-21
"SPLENDOR IN THE GRASS" (124 Min.)
Natalie Wood, Warren Beatty
6 and 8:15 p.m. Sunday
7 p.m. Monday

(Drama in Color) Controversial theme is delicately depicted in story of two teenager's desires and frustrations. Unrequited love is portrayed with sensitive Academy Award performance by Natalie (Adult)

TUESDAY MAY 22
STAGE PLAY
"WILL SUCCESS SPOIL ROCK HUNTER"
June Wilkinson and Dick Patterson
8 p.m.

WEDNESDAY MAY 23
"A MAJORITY OF ONE" (147 Min.)
Rosalind Russell, Alec Guinness
7 p.m.

(Comedy-drama in Color) From the successful play concerning a Jewish widow who meets a Japanese industrialist and becomes involved in international economics and racial barriers. This superbly happy film bespeaks of tolerance without becoming preachy. (Family)

THURS.-FRI. MAY 24-25
"EXCUSE MY DUST" (82 Min.)
Red Skelton, Sally Forrest
7 p.m.

(Comedy in Color) Hoopskirts, skimmers and the "Gosmobile" as 1905 inventor creates havoc in small town with persistence that his homemade car will replace horses. A Howl! (Family)

Meetings...

FRENCH CERCLE members and their guests are invited to a barbecue at the Carlisle residence, 105-B N. Mitscher on May 26. Reservations must be called to Jean Haseltine, Ext. 724142, no later than Tuesday, May 22.

Foothill Dispensary To Hold Clinic For Polio Shots

PASADENA — A polio vaccination clinic for Civil Service personnel and their dependents, sponsored by the Los Angeles County Medical Association, will be held at the Foothill Dispensary on Monday, May 28, between the hours of 1000 and 1200. Cost of the inoculation is \$1.00 per person. A doctor will be in attendance and any one of the series of shots will be given.

Employees applying for the inoculation must register at the time of taking the shot. Anyone under 21 years of age must have the signature of parent or guardian.

What's My Line?

Pretty Sandra Hayes, daughter of Mr. and Mrs. Thomas Hayes, 60 Blandly Rd., is a relatively new employee at "Official Visitors" department. Graduated from Burroughs high school in 1960, Sandra attended Bakersfield Junior College for one year.

Our male subject for "What's My Line" this week is Roger Foster, a former employee at NOTS in 1959 who rejoined the family here recently. Now working as a laboratory technician at the Michelson Photo Lab, Roger lives at 508B Adkins in Ridgecrest.

RECREATION BILL

Weekend Dances Open And Close AFD Events

Two weekend dances will provide the kickoff and grand finale to the Armed Forces Day events at China Lake. Wally Webb, his popular band, and lovely songstress Rosa Bonay present an unending musical repertoire, for your dancing and listening pleasure, tonight at the Community Center.

Parties with reservations are reminded to claim their tables by 9:30 p.m.

Cactus Squares Benefit
A special square dance is planned tomorrow night by the Cactus Squares as a fund-raising project for new Burroughs High band uniforms.

Out-of-town participants are the Single Swingers, who have chartered a bus from Riverside, and the Twenty Mule Team Twirlers from Boron.

Ivan Hall will handle the calling chores and Penny Pennington will program the round dances.

Policy Reinstated
In reply to recent queries, clarification of the policy governing attendance of Station-sponsored activities, such as the forthcoming play "Will Success Spoil Rock Hunter," is restated: All military, China Lake residents, and NOTS employees residing off-Station may attend.

There are some tickets still available at the Community Center receptionist counter.

Discount Coupons

Ann Seitz, Community Center manager, has received discount coupons for the Rod and Custom car and boat show to be held at the L.A. Sports Arena May 25-27.

She also has discount coupons for "Corriganville," famous movie ranch located 29 miles north of Hollywood on Hwy. 118. This authentic western town features a Wells Fargo stage line, frontier railroad, movie stunts and fights as prepared for filming. Your host is "Crash" Corrigan of movie and TV fame.

Free to Military
Arrangements have been completed by the L.A. Area USO for members of the Armed Forces to be admitted free of charge to the 5th Annual Western Fair and Dairy Show. Exhibits will be held daily at the exhibit center in Los Angeles from 10 a.m. to 10 p.m. from May 25 to 30 inclusive.

In addition to a multi-million dollar exhibition, the show will feature circus performers, gem and mineral show, archery and fishing clinics, inter-collegiate rodeo, etc. Judy Canova will headline a stage show on May 26, 27 and 30.

Further information may be obtained at the USO Clubs in Los Angeles and Hollywood.

SPORTS SLANTS

Comic Cuties Encounter All Stars In Exhibition

Harassing their foes in side-splitting fashion is only one feature of the California Cuties' clowning repertoire as this popular novelty team performs from coast to coast. Trino Palacio, manager, has rounded up some of the top softball talent from Southern California for this year's tour.

Trino, who doubles in brass by performing one night as Liza Jane and the next as a Spanish Dancer, is an outstanding softball pitcher in his own right. All members of the team are equally adept at playing the game.

Dances, songs and chorus numbers will be interspersed throughout the game, which will leave little hope for a home town victory... any resemblance to a regulation softball game will be quite accidental! Game time is 8 p.m. at Schoeffel Field Saturday.

Softball Schedule

May 21—
Marines vs. NAF7 p.m.
Salt Wells vs. NOTS9 p.m.

May 22—
VX-5 vs. Genge7 p.m.
Staff vs. Merchants9 p.m.

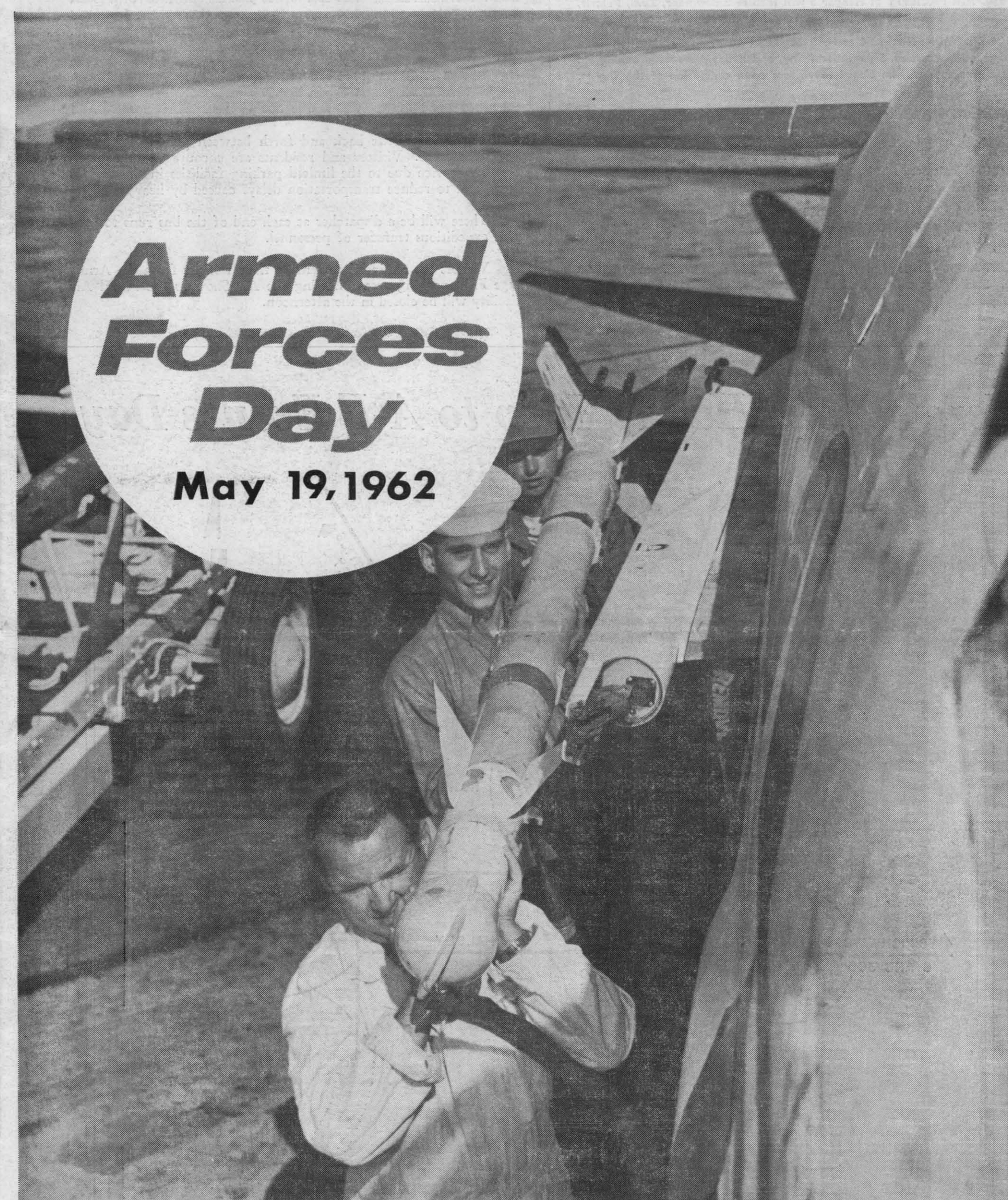
May 23—
VX-5 vs. NOTS7 p.m.
Salt Wells vs. NAF9 p.m.

From _____

TO _____

PLACE STAMP HERE

SOUVENIR EDITION ROCKETEER



Armed Forces Day

May 19, 1962

U. S. NAVAL ORDNANCE TEST STATION
China Lake, California

POWER for PEACE!

ARMED FORCES DAY OPEN HOUSE

Saturday, May 19, 1962

9:00 A.M. — GATES OPEN TO THE PUBLIC

NAVAL AIR FACILITY at Hangar 3 will feature Sidewinder, Zuni, Polaris, Soft Landing Vehicle, Skytop, Liquid Target Rocket, and Aircraft displays.

FLIGHT DEMONSTRATION at NAF begins at 10:30 a.m. and will include VX-5 training exercise, Sidewinder firing, and helicopter rescue exhibition. This entire area will be closed to visitors upon conclusion of the flights.

10:00 A.M.

STATION THEATRE has scheduled a continuous showing of service films until 2:00 p.m.

NOON

LUNCH—Picnic area will be open at the parkway on Blandy Avenue. The Station Restaurant will serve patrons until 2:30 p.m.

12:30 P.M.

MICHELSON LABORATORY tours are conducted to exhibit technical demonstrations, movies, and static displays. Lab closes at 4:00 p.m.

SNORT AREA—Static displays and movies may be seen here from 12:30-3:00 p.m. Sled firings will be held at 1:30 and 3:30 p.m. This area closes at 4:00 p.m.

OPEN HOUSE BUS SCHEDULE

Saturday, May 19, 1962

STARTING POINT	DESTINATION
MAIN GATE..... 9:00 a.m. to 1:00 p.m.	BENNINGTON PLAZA
BENNINGTON PLAZA..... 9:30 a.m. to 12 Noon	NAVAL AIR FACILITY
BENNINGTON PLAZA..... 12:30 p.m. to 4:00 p.m.	MICHELSON LAB.
BENNINGTON PLAZA..... 12:30 p.m. to 4:00 p.m.	SNORT TRACK (via Mich. Lab.)
NAVAL AIR FACILITY..... 10:00 a.m. to 12 Noon	BENNINGTON PLAZA
SNORT TRACK..... 1:00 p.m. to 4:00 p.m.	BENNINGTON PLAZA
BENNINGTON PLAZA..... 9:00 a.m. to 1:00 p.m.	MAIN GATE

Buses will shuttle back and forth between points during the hours indicated. Visitors and residents are encouraged to use this free bus service due to the limited parking facilities in the various areas, and to reduce transportation delays caused by heavy traffic.

There will be a dispatcher at each end of the bus runs to provide expeditious transfer of personnel.

Visitors are reminded to remove their vehicles from the Armitage Field parking area following the Air Show as the Naval Air Facility will be closed in the afternoon.

Safety Department Gets BuWeps Approval

A communique received from the Chief, Bureau of Naval Weapons last week, officially approved the recent establishment of a Safety Department at NOTS. This function was previously performed by the Safety Division of the Command Administration Department.

Karsten S. Skaar, who heads the new organization, brings to the position a background of experience at NOTS, in the fields of propellants and explosives, dating back to the Station's early history in 1944.

In January of this year, the BuWeps Comprehensive Survey and the Armed Services Explo-

sive Safety Board recommended a reorganization of safety functions to more fully reflect the safety effort as a Command function.

The present organization, given Code 20 designation, consists of the Safety Development Division, Code 201, Safety Operations Division, Code 202, and Administrative Services Division, Code 203.

Employing a broad concept of the department's delegated duties, a general breakdown of responsibilities is as follows: the Safety Development Division will undertake technical safety problems of research and development groups, utilizing advances in safety to assist the Station programs.

The Safety Operations Division administers the NOTS industrial and general safety program encompassing field services, motor vehicle safety, protective equipment, and the safety of home and community.

Its Administrative Division provides the necessary support for the administration of the overall safety program and effects liaison necessary to process employee claims as related to the Federal Employees' Compensation Act.

Realizing the need for more emphasis in the approach to safety aspects and accident prevention, the Department's goal is to provide active leadership in this respect within the Command at all of its locations.

Engineering Graduate Students Will Present Project Study Reports

Graduate students in Engineering who are currently enrolled in Research in Engineering, under the UCLA off-campus graduate program at China Lake, will present reports on their research projects at 1 p.m. next Tuesday, in Michelson Lab Conference Room B.

Scheduled to make presentations are Don L. Hill, John S. Johantgen, Jan N. Leonard, Joseph A. Mosko, and Harold D. Nuffer.

Professor Thomas E. Hicks, Department of Engineering, UCLA, will attend the meeting on behalf of the University.

Present and prospective graduate students and other interested employees are invited to attend the presentation.

Membership Drive Slated to Support Maturango Museum

The campaign to enlist members in support of the work of the Maturango Museum of the Indian Wells Valley opens officially next Thursday with a tea to be held at No. 1 Enterprise Road.

Team captains and workers for the museum will receive sales packets and hear an outline of the sales campaign and history on the establishment of the museum.

C. A. Willey, museum president, emphasizes that representatives from Trona, Inyokern, and other desert communities, as well as workers from China Lake and Ridgecrest attending this tea reflects the widespread interest in the museum.

Founding members include those who have already subscribed and those who take out memberships during this campaign.

It is these founding members who will bring the museum from a fine idea to a reality and determine the scope of its work, according to K. H. Robinson, campaign chairman.

There are six categories of memberships beginning with the student memberships at \$1 and rising to the commercial level at \$100.

The Maturango Museum is located on Halsey Avenue just east of the traffic circle at China Lake. The site was visited by several thousand desert residents during the Antique Show in April which was given as a benefit for the museum.

The museum will be supported by the contributions and interest of its association of members and governed by a board of nine directors to be elected by the members.

Elementary Schools Announce Revision in Summer Program

The China Lake Elementary School District will offer a five-week summer school again this year from July 9 through August 10. The program has some organizational changes this year to meet new regulations established recently by the California State Department of Education.

According to the latest information received, summer school classes may not be held this year for kindergarten age children. First grade classes will be the lowest grade offered and will accommodate children currently attending kindergarten, or those who are eligible by law to attend.

Day Lengthened
Children attending the first through third grade classes can expect 3½ hours of instruction. The full amount of time will be scheduled before noon.

Summer classes afford some special and unique opportunities to further the student's wholesome educational progress. The course provides intensive training in skills where facilities and instruction have been limited during the regular school year.

Experiences not normally possible are provided at this time, and pupils retain the learning and study habits acquired during the regular school session.

Enrollment in the program is currently being accepted in the school offices for children attending kindergarten, first and second grades.

Those attending third through eighth grades will register at Murray School Cafetorium on July 9 for specific courses they wish to take.

Enrollment exceeded 1600 last summer, and an equal number of students are expected to enroll this year.

Two NOTS Men Awarded Fellowships

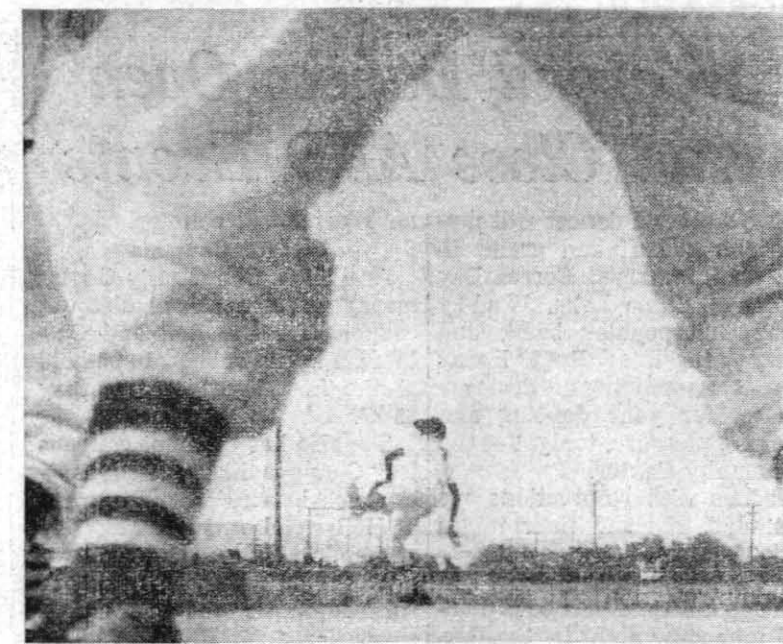
Announcement was made at a recent meeting of the American Physical Society, Washington, D. C. Council, that two NOTS members were transferred to fellowships: Dr. G. J. Plain, Associate Head of the Research Department, and Edward V. Ashburn of the Weapons Development Department.

Up to this time, Dr. D. S. Villars, also of the Research De-

partment, was the only APS Fellow on the Station.

Fellowships are granted to those persons who have contributed to the advancement of physics by independent, original research, or have rendered some special service to the cause of science.

The American Physical Society has approximately 18,000 members of which less than 10 percent are Fellows of the Society.



HERE'S THE PITCH. Although these players on major league teams have completed two weeks of the season's play, other youngsters are hoping that the three additional diamonds, now under construction, will soon be completed. The season opens June 11 for T-Ball, Minor League, Pony and Colt Leagues. Dads are asked to report to Snackenber Field and volunteer whatever time they can spare. A few faithful can be seen daily at the field across from Murray School from 4:30 p.m. until dusk, and each Saturday and Sunday. More support is needed for this big job—please lend a hand!

Major League Team Schedule

The second half of the season's schedule (June 11 through July 5) will be published at a later date. Starting time for the following games is 6:30 p.m. — the last named team is the home team.

	Diamond No. 1	Diamond No. 2
Monday, May 21	Tigers - Pirates	Giants - Yankees
Tuesday, May 22	Giants - Dodgers	Red Sox - Pirates
Thursday, May 24	Red Sox - Tigers	Yankees - Dodgers
Friday, May 25	Tigers - Giants	Pirates - Yankees
Monday, May 28	Giants - Red Sox	Dodgers - Pirates
Tuesday, May 29	Red Sox - Yankees	Tigers - Dodgers
Thursday, May 31	Yankees - Tigers	Pirates - Giants

Twenty Local Seabee Reservists Chosen for Active Training Duty

A four-cycle training operation has been designed in which Seabee reservists can participate to attain a maximum state of readiness in the case of emergency mobilization.

The plan, approved by the Bureau of Naval Personnel, includes four program phases to be scheduled at yearly intervals and will encompass personnel from seven Seabee divisions based in Southern California, Arizona and Nevada.

This collective body is designated as Naval Reserve Mobile Construction Battalion SEVENTEEN, commanded by Cdr. L. S. Karnowski, USNR, from San Diego.

Twenty selected reservists

from Division 11-2 of China Lake report for the first training phase at Port Huene me this week. They will undertake studies in organizational, technical and military duties based on the work required of Seabee units ashore and afloat.

Local reservists attending are: Paul O. Erickson, commanding officer of the China Lake division, R. R. Sizemore, R. D. Malone, C. D. Lux, G. A. Beach, Jr., B. W. Butler, Jr., and H. O. Creech.

Also, F. R. DeLeon, J. P. E. Ennis, T. A. Frederick, F. R. Hardy, R. H. Kapic, H. P. Lindberg, T. C. Miller, P. M. Nelson, D. W. Pinkerton, L. D. Pipkin, J. C. Thayer, W. H. Thorpe, and K. S. Williams.

Air Show . . .

(Continued from Page 3) scheduled as part of the air show, will be in contrast to the hypersonic aircraft, like the F4H and F8U-2 which will be on parade.

Lieutenant Commander Walter J. Henning, who will be at the controls, is an ex-enlisted pilot having joined the Navy as a seaman in 1938. He received a commission in 1943 and two years later married a Navy nurse. He is the proud father of 11 children.

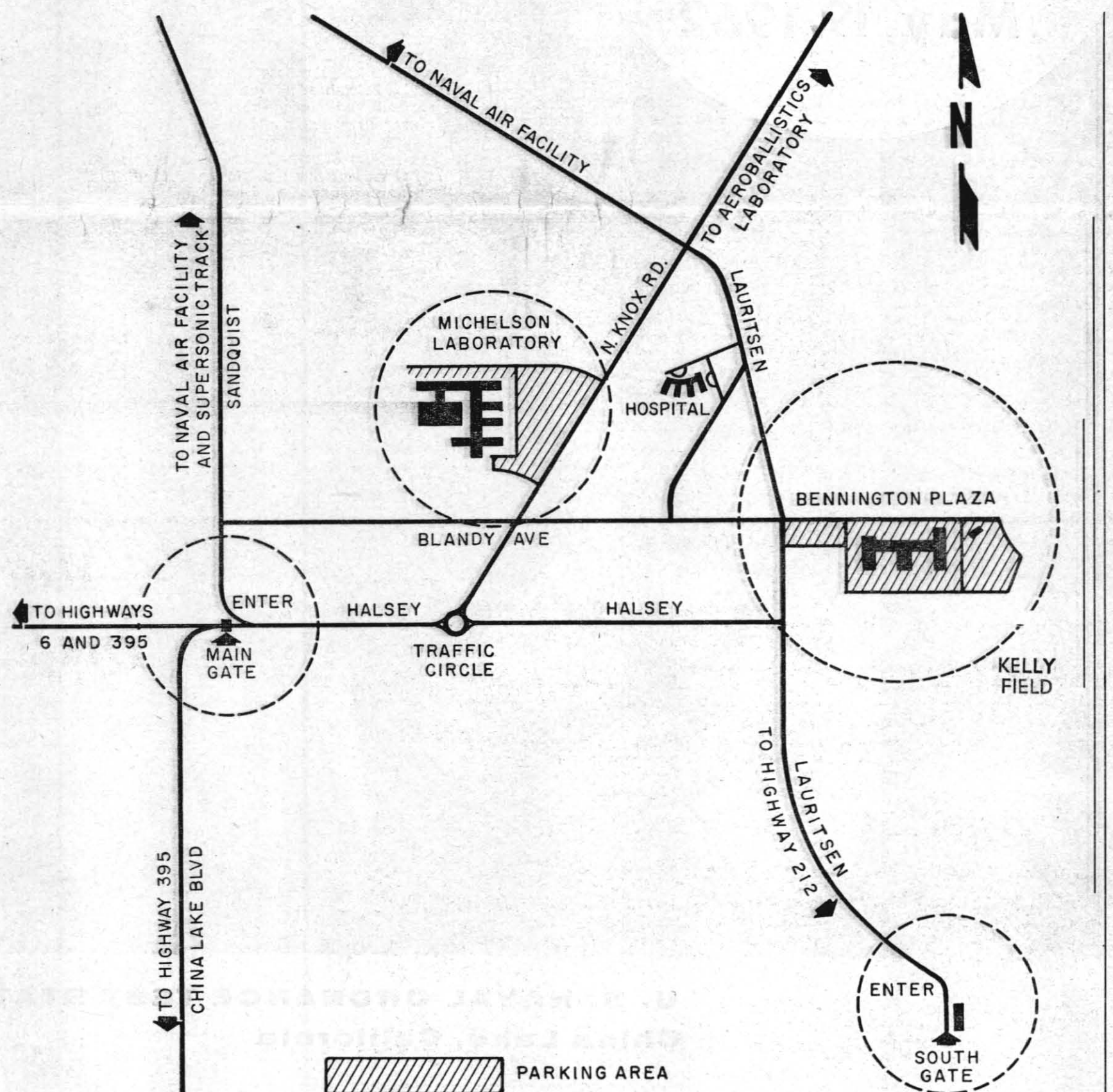
"Big Daddy," as he is fondly referred to by his colleagues, has flown some 33 different types of aircraft and an unknown number of models — including some of our fastest jets.



SWEEPSTAKES WINNER — This prize-winning abstract oil painted by James Freeman, local senior, is currently on exhibit in the Burroughs High School library. The painting

won the blue ribbon award and sweepstakes at district level during the annual Kern County Art Festival. Also on exhibit at Burroughs are paintings by other art students.

Here's Your Handy Map to A-F Events Day



Editorial

Armed Forces Day Report to People

For still another year the slogan for Armed Forces Day is "Power for Peace" — a slogan almost as old as the day itself. I would be hard indeed to find another phrase that so simply and clearly sums up the aim of our national defense effort. And, as President Kennedy has said, this year "there is a more certain unity of effort among the Army, Navy, Air Force and Marine Corps than ever before in our history."

We in the service know it is a unity of free men working together to maintain a great military machine and protect a way of life that is the best the world has ever known. It is not a machine to be used to coerce, to bully, to threaten. It is not made up of men whose behavior and thinking have been ruthlessly regimented and controlled for more than 40 years. It is a machine of individuals banded together by the precious bond of patriotism.

From May 12 to 20, at home and overseas, we will be hosts to our fellow Americans and our friends abroad. They will see us in action, in readiness, strong and confident. We don't brag and we don't strut—we don't have to. We know that there is fact in our Commander-in-Chief's assertion that "Today Americans everywhere can view with pride the performance and preparedness of their Armed Forces." And we who wear our country's uniform would be less than human not to take pride in his words.

"Power for Peace" — it is the best assurance that war can honorably be averted and the world spared death and destruction on a scale terrible to contemplate. We are that power, each of us and all of us, trained to make such power invincible. (AFPS)

Children Not Possessions They Are A Sacred Trust

Rev. Mm. G. Richardson

There exists today an improper picture of parenthood in respect to the fourth commandment of God — to "Love, Honor and Obey your parents." The opinion is being expressed through action that this command is one-sided. That it speaks only to the children and not to the parents of children. To foster this definition of the rights, and obligations of the fourth commandment, is to pervert parenthood.

Children are not parental possessions but a sacred trust from God, involving both privilege and obligation. The task of parents is to bring their children to manhood; that is, to that point of physical, emotional, intellectual, moral, spiritual, and social development at which they are capable of taking their place in society as independent individuals.

Their command is to love, honor, and obey the privilege and obligations of parenthood. Their lot is not to dominate their children — to make them completely dependent upon their support and direction. They must see that the child is properly developed in all the aspects of human nature and eventually to become independent of the parents and capable of directing themselves. Humans, also, must be gradually weaned from the parental household.

Hence, parental authority is limited by and geared to the

needs of the child, not of the parents. Any use of parental authority or affection designed to prevent the child from achieving mature independence is exploitation and perversion.

This attitude is incompatible with the obligations of the fourth commandment. A child raised under this parental direction does not become mature enough and is not capable of taking his proper place in society.

The duties, obligations and privileges of parenthood are ones of love, honor and respect for mankind which has been entrusted to their care by God and not ones of selfishness, dishonesty, and disrespect.

Bible Study Class Meet Each Week

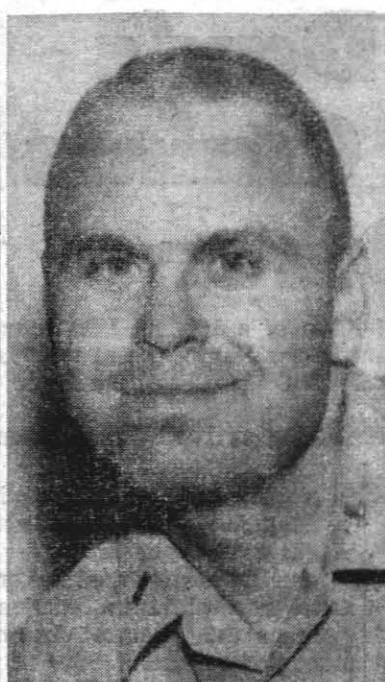
An inspiring series of lessons on the Bible are currently conducted by Chaplain Richard F. Wicker, USN, each Tuesday at 7:30 p.m. in the east wing of the All Faith Chapel.

Each session is so presented as to be complete within itself. Chaplain Wicker has already established himself as a Biblical Scholar and instructor of unique insight and capacity, as witnessed by the excellent class attendance.

The final session is scheduled for June 19; everyone is welcomed.



ELECTRONICS—Lt. (jg) Donald L. Gill reported aboard as replacement for CWO E. J. Kellner, Electronics Maintenance Officer, from his previous duty aboard the USS Coontz. Having served as an enlisted man during his early military service, Lt. Gill earned a commission upon completion of "Class A" Naval Nuclear Power School. He lives at 59-B Burroughs with wife, Claudia, and young sons, Donald Lee Jr., and Daniel Ray.



ASS'T. O-in-C — Lt. (jg) Leroy T. Stickel takes over duties of Assistant Officer-in-Charge at the Commissary Store replacing CWO A. L. Cunningham. A graduate of Brigham Young Univ., and OCS, his last duty was Supply Officer aboard the USS Herbert J. Thomas. He makes his home at 300-A McIntyre with wife, Joyce, and son, Gregory. An avid golfer, he also held the AAU boxing title in college.

President Praises 'Valuable Service' Of Civil Air Patrol

Washington (AFPS)—The Civil Air Patrol is playing "a very vital role" in supplying future cadets for the Air Force, President Kennedy told a group of CAP cadets visiting him at the White House.

The cadets, boys and girls mostly in their teens, presented the Chief Executive with an honorary CAP life membership, causing him to remark that he was "sorry I wasn't in it when I was younger."

He told the group that a "tremendous need" for manned aircraft still exists and that pilots will be in demand for many years to come. The cadets and their CAP advisors, he continued, are doing a "valuable service to your country."

The President also presented CAP's second highest award, its bronze Medal of Valor, to 14-year-old James Ronald Aaron. Although seriously injured in the crash of a light plane last March, the youth crawled up a mountainside to get aid for the unconscious pilot.

Pasadena Groups Hear Talks By LoBoski And Osuch

PASADENA — Two members of NOTS Pasadena Speakers Bureau presented programs to three organizations recently.

John LaBosky gave a confidential speech on the "ASROC Weapon System" to the Naval Reserve Officers School, at the Hawthorne Reserve Center on May 10.

Eugene Osuch presented two confidential lectures — one on "Underwater Ordnance Research and Development" to members of his own Naval Reserve Unit, WEPTU 772(N) at the Paloma Street Training Center on May 8, and a program on "ASROC Weapon System" to BuShips Reserve Unit 11-1, at the same address on May 14.

LaBosky and Osuch have been active members of the Speaker's Bureau for some time and have presented many programs to various local organizations.

THE ROCKETEER

The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise specified.

OFFICIAL WEEKLY PUBLICATION of the U. S. NAVAL ORDNANCE TEST STATION, China Lake, California

Captain Charles Blenman Jr., USN Station Commander "J. T." Bibby

Public Information Office Office—Housing Building 35 Telephone 71354, 71655, 72082

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PROMOTIONAL OPPORTUNITIES AT NOTS

Present 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.

Accounts Maintenance Clerk, GS-4, PD No. 18445.4, Code 1761 — The incumbent acts in the capacity of an Accounting Clerk performing property and cost accounting.

Telephone Operator (Temporary NTE 6 months), GS-3, Code 8544 — Incumbent completes incoming and outgoing long-distance and local calls, outgoing telegrams, conferences and longed-line calls. Must have had experience in completing long-distance calls.

Editorial Clerk (DMT), GS-4, Code 7515 — Incumbent will prepare manuscripts for publication in accordance with styles of various professional journals and perform miscellaneous office duties for the Branch Head.

Safety Inspector, GS-5, 6, or 7, PD 2P19002, Code P1916, Duty Station: Foothill Plant — Responsible for inspecting buildings, equipment, grounds, shops, and other areas at Pasadena and associated ranges for the purpose of determining application of appropriate safety standards and practices and recommending corrective measures.

'Welcome to NOTS China Lake'



Dr. William B. McLean Technical Director, NOTS

Welcome to the U.S. Naval Ordnance Test Station, China Lake. This is one of the Navy's principal centers for the research, design, development and testing of new weapons. You will find here the latest and finest laboratory equipment for scientific research, a completely equipped machine shop, pilot plants for the development of new missile propellants and explosives and test ranges thoroughly instrumented to record the performance of new weapons.

We are proud of our people here at NOTS—a pure civilian-military team. They combine the latest technological advances with operational requirements of the Navy, to originate weapons ideas and carry them through all the stages of development ready for mass production by industry and use in the Fleet.

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 air-to-air missile. Air Development Squadron Five will present an air demonstration. You will also see a firing of a development program sled at the SNORT facility.

As you tour Michelson Laboratory you will see many interesting static displays of work being conducted at NOTS such as an ASROC missile display, our country's latest anti-submarine weapons and a complete transit satellite tracking station. Also on display at the Naval Air Facility will be several of the Navy's newest and fastest jet aircraft which are used in our research and development programs.

We sincerely hope that you enjoy a pleasant and informative visit.

Your Hosts



Capt. Charles Blenman, Jr. Commander, NOTS

Armed Forces Week

U.S. 'Power for Peace' On Display May 12-20

Washington (AFPS) — A week of parades, exhibits and open houses at U.S. military installations throughout the world will be climaxed May 20, giving the private citizen a look at the nation's military posture.

As in past years, the third Saturday in May, the 19th, has been officially proclaimed Armed Forces Day by the President. The first such observance was held in May 1950.

The day is intended to symbolize the common interests and interdependence of all components of the Armed Forces. It also demonstrates to the public the close working relationship of the Army, Navy, Air Force, Marine Corps, Coast Guard, and auxiliary organizations.

Open house will be the week's main feature at bases and facilities around the world. In addition, civilian guests in thousands of communities will see demon-

strations and exhibits designed to increase their understanding of their nation's strength.

Last year, in the continental United States alone, more than 1,000 community programs were held featuring parades and displays. The Department of Defense has encouraged this type of program while still emphasizing the on base, open house aspects of the observance.

The 1952 observance stressed the fact that the Armed Forces represent "Power for Peace." This slogan was considered so descriptive of the national effort, that it has been used every year since.

President's Message

On Armed Forces Day, 1962, there is a more certain unity of effort among the Army, Navy, Air Force and Marine Corps than ever before in our history. When one day was set aside thirteen years ago, in place of separate days of observance for each service, unification was both the problem and the compulsion. Unity of effort in combat was never a question, but unity of effort in peacetime had become a question.

Today, Americans everywhere can view with pride the performance and preparedness of their Armed Forces. Much is still to be done, but much has been accomplished. In 1962, we could well dedicate this observance to closer unity and common effort between the civilian effort—industry, education, and civil defense—and our Armed Forces. Much is still to be done, even though many accomplishments are at hand. Our national security depends equally on both efforts—civilian and military. To field a winning combination, neither half can be in international second place.

Any report that the Commander-in-Chief would make to the nation on this occasion would include a salute, and a "Well Done" to the National Guard of the Army and Air Force, and the Reserves of all the services, for their response to the call our nation has made upon them in the past year. To those who have sacrificed, the nation speaks in gratitude.

My report would end with this word to the nation: Guard zealously your right to serve in the Armed Forces, for without them, there will be no other rights to guard.

—JOHN F. KENNEDY, President of the United States.

Message From Secretary of Navy

In terms of military power today, we have unequalled strength. Four fleets are at sea, with Marines embarked, ready to project the Navy-Marine Corps sea-air-ground team ashore, control the air around them, or contribute to any necessary retaliation measures. These task forces are mobile, self-sufficient, economical, versatile, and powerful.

Our total might is ready, today, while preparations continue for the challenge of tomorrow. The preservation of our freedom, the very survival of our nation, is dependent upon our "Power for Peace."

—Fred Korih, Secretary of the Navy.

Here's Where Your NOTS Tour Starts



WELCOME ABOARD! Here's where your visit at the China Lake Naval Ordnance Test Station begins. From the time that you're waved through the main gate by that snappy Marine until the stay ends, you'll have the opportunity to see firsthand, why NOTS represents today one of our country's most important elements in maintaining "Power for Peace." China Lake, Pasadena, Long Beach, San Clemente comprise NOTS team.

Cover Picture



NOTS TEAMWORK — Staff Photographer John Wedgewood, PH1, captured the essence of the success story that NOTS has realized down through the years. Trio of ordnance workers (from rear) Marine Corps Sgt. Ted Skill, Navy man T. J. Smith, AQ3, and Civil Service employee Joseph Wojcicki represent elements of personnel who combine resources and manpower in the China Lake desert community . . . a combination that spells out "Power for Peace." Photo By John Wedgewood, PH1

Navy's Air Might To Go On Display

Six of the Navy's top project pilots, all members of Air Development Squadron Five, will combine their aerial skills for a thrilling demonstration of jet-age maneuvers during a segment of the "live" program today.

Scheduled to start at approximately 11:00 a.m., the demonstration will be held over Armistage Field at the Naval Air Facility and will include a half-dozen maneuvers used in normal project flying.

In use will be the Navy's famous F4H-1 and "Phantom-II", the A4D "Skyhawk," FJ-4B "Fury," A3D "Skywarrior" and A4D-2 "Skyhawk."

The individual demonstrations will include mid-air refueling, high performance vertical take-off, high altitude dive bombing attack, low altitude loft maneuver and over-the-shoulder loft delivery.

Project pilots involved in the air demonstration are scheduled to be: Lieutenant Paul White, Lieutenant Commander Gary

Palmer, Lieutenant Walt Barr, Commander Charlie Lindberg, Lieutenant Ellis Austin and Lieutenant Paul McCarthy.

Lieutenant Commander Harold N. (Hal) Wellman will demonstrate the accuracy of the deadly Sidewinder to the public today by firing the missile at a rocket and, as legend will have it, the Sidewinder will "seek, overtake and destroy the target."

A graduate of the University of Denver, Hal first joined the Navy as a seaman in 1948 and served aboard a destroyer as a quartermaster. In 1952, he was ordered to OCS at Newport, Rhode Island and later reported to Pensacola for basic flight training.

Hal became the Navy's top aerial gunnery expert and has flown such "mach-busting" planes as the Navy's F4H and the Air Force's F-104. He's married to the former Joan Ashcraft of Denver and has one son, Mike.

The helicopter demonstration, (Continued on Page 11)



AIR DEMONSTRATION PILOTS—Members of Air Development Squadron Five (from left) Lt. Paul McCarthy, Lt. Paul Weitz, Lt. Bob Rice and Cdr. Char-

les Lindberg, flash the famous "VX-5 Grin" for cameraman. As project pilots involved in test flights here, they'll demonstrate aerial

Photo by Ernest O. Shiffert PHC.

Nationwide Savings Bond Drive

Washington (AFPS) — The U.S. Treasury Department will conduct its 1962 Savings Bond drive during the months of May and June.

Called the "Freedom Bond Drive," it is the first nationwide campaign for Savings Bonds since 1951 during the fighting in Korea. While bond sales were up in 1961, the Treasury Department said, more sales are needed to meet the heavy cost of strengthening our economic and military defenses.

Urging all Americans to participate in the drive, President Kennedy said that each bond sale helps "provide our

country's economy with resources for its further expansion and growth," and helps "keep America strong and free."

During WWII bonds purchased by servicemen and civilians contributed some \$53 billion toward meeting the cost of the war. Today servicemen and women buy about \$145 million worth of bonds each year.

Also, an estimated eight million people buy Savings Bonds through payroll savings plans at some 4,500 companies. About \$215 million annually is spent for bonds by government employees.

CNO Extends Armed Forces Day Greetings

We are happy to have the opportunity to welcome you aboard during this celebration of Armed Forces Day. We are proud of what we have and of what we believe our capabilities are and can only hope that you may gain some knowledge, some insight into the preparedness of the United States Navy to serve you as guardians of our freedom.

—Adm. George W. Anderson
Chief of Naval Operations.

Nuclear Warhead Fired in First Live Polaris Sub Test

Washington (AFPS) — The United States has successfully exploded its first missile-borne nuclear warhead at the Christmas Island test area in the Pacific. The warhead was carried aloft by a Polaris missile fired from the submarine Ethan Allen.

The missile apparently scored a near bulls-eye after its 1,400-mile flight over the Pacific. One spokesman said the warhead was dropped "right in the pickle barrel," according to the Associated Press.

The Navy said the test was a "starkly real exercise" conducted as if the Ethan Allen were in combat and had received orders to fire all its 16 missiles on enemy targets.

No details of the warhead's power were released by the Atomic Energy Commission. However, it has been previously reported that each Polaris will be more powerful than the first atomic bombs.

The Navy also gave no details of the shot, but officially described it as "a complete success."

It is understood that the warhead was detonated above the water, the AP report said. The submarine itself was said to have been submerged at the time of firing.

The Polaris is propelled upward from its tube in the submarine by a blast of compressed air. Once clear of the water, the rocket's solid-fuel motor ignites and it heads toward the target.

The missile used in the test was the earliest model, like the ones aboard the six Polaris sub-

marines presently operational. Its range is about 1,200 to 1,400 miles.

A new, longer-range A-2 version of the missile, with a range listed at up to 1,750 miles, is scheduled for delivery to the fleet this year. Now being developed is a third model, the A-3, which will be designed to go 2,500 nautical miles. A nautical mile is 1.15 land miles.

Thirty-five more Polaris submarines are now under construction or are authorized. Their sailing range and their ability to stay submerged for long periods of time and to fire while submerged make them one of the country's most powerful weapons.

The Polaris test shot was the fifth explosion in the current series of atmospheric nuclear tests. The previous four involved devices for research and evaluation rather than finished weapons. They were dropped from aircraft and detonated in the air.

The Ethan Allen was the first submarine designed to carry the A-2 missiles. Launched in December of 1960, she was the first of the new Ethan Allen class of ships, larger and more powerful than the first five Polaris subs.

'All In Day's Work,' Claims Navy Diver

PASADENA—Walking on the bottom of a 160-foot lake sounds pretty exciting to most of us but to the Navy's divers it's "just our work," said Diving Officer CWO O. L. (Chips) Andersen in an interview this week.

In describing the duties of the diving crew at NOTS Pasadena, he jokingly added, "In our work, we try to keep our heads under water all the time."

And this they do to a large extent for their duties take them to the bottom of the Morris Dam lake, and the ocean areas of the Long Beach Sea Range and San Clemente Island.

Working with the project test teams, they do search and recovery of weapons that have been fired.

"The support we provide to the various torpedo and missile development programs here is unlike duty anywhere else in the country," said the Master Diver.

"Our work up at Morris Dam is recovering torpedoes fired from the Variable Angle Launcher. It's not always an easy job for the bottom of the lake is muddy and there are crevices and canyons as you can see on the mountains surrounding the lake. It's pitch dark down there too so we have to use a magnetic pinging device to locate the torpedoes."

Comparing their duty at the different locations, he added:

"At Long Beach and San Clemente Island, it's quite different as the water is exceptionally clear — visibility excellent!"

Their work at Long Beach includes recovery work as well as sound equipment evaluation. At San Clemente Island, they maintain all underwater repairs

to rigging and launch facilities in conjunction with the Public Works water front force.

"Our boys also handle ordnance disposal for malfunctioning weapons that require disarmament under water."

Another phase to the Diving crew's services is maintaining liaison with various Fleet activities, providing support to them on underwater research and development projects, and maintenance of recompression facilities.

Andersen's divers at San Clemente Island have been credited with saving the lives of nine commercial fishermen by fast action in getting them into the chamber during the past 3 years.

The divers are able to provide emergency medical treatment at all locations.

"The average diver at NOTS has had ten to 15 years total military service," Andersen told us, "with about ten years of that time in diving." Twenty-seven men form the diving crew and all are either Master Divers or First Class.

NOTS Pasadena...

(Continued from Page 6)

have been reached in the Polaris program, two of which included the first dummy Polaris ballistic missile to be fired from underwater and a short time later the first underwater live launch.

NOTS maintains sea ranges at this location for its work with antisubmarine weapon systems, torpedoes, and underwater rockets. Many types of missiles are tested in collaboration with surface vessels, submarines, and aircraft of the Pacific Fleet. Cameras and other instrumentation record the phases of missile launchings and trajectories from aircraft, surface vessels, and a strategic shore location.

Through these activities and facilities, NOTS, the largest Naval activity in the Pasadena area, makes a large contribution to the defense of our country.



PERILS OF BRINY DEEP are common surroundings for Navy Divers based at NOTS Pasadena and San Clemente. Engaged in underwater research and development proj-

ects, these are the men who face danger as a daily routine and claim, "It's all in a day's work!" Divers in this photo are freeing propellers of ship that tangled in torpedo net.

Supersonic SNORT Saves Dollars Plus Lives

When the SNORT sled completed its 500th run several years ago here at the Naval Ordnance Test Station, it had scored an impressive record of saving lives and preventing millions of dollars worth of aircraft damage.

SNORT (short for Supersonic Naval Ordnance Research Track) is one of the principal test facilities for research at the Naval Ordnance Test Station. It is accredited with saving taxpayers more than \$75,000,000 in research effort for aircraft and missile development in national

defense work.

Seven known lives have actually been saved through determining aircraft structural weaknesses that existed before those flaws had a chance to cost a pilot's life.

Six known aircraft, valued at \$3,300,000 of taxpayer's money have been prevented from crashing by test data obtained from SNORT sled runs which revealed engineering deficiencies.

As an Armed Forces Day visitor to NOTS China Lake today, you'll have the unique exper-

ience of watching SNORT in actual operation.

The SNORT was designed to bridge the gap between wind-tunnel and free-flight testing and combines a vehicle mounted on a track 4.1 miles long.

Because it is under constant control, SNORT has the advantage of other testing devices of affording intact recovery of test items, having instrumentation approaching laboratory systems and facilitating secondary firings of projectiles.

SNORT can be used in a va-

riety of test applications. Some of these are: Captive tests of rockets, guided missiles, model or full scale airplanes or their components, under conditions approximating free-flight into the supersonic range — including measurements of thrust, acceleration, velocity, lift, drag, vibration, shock-wave effects, flutter and associated aspects.

Additionally, SNORT can be used for aeroballistic tests, fire control systems tests, aircraft damage tests, ejectable components and packaging testing.

Navy to Build Largest Ocean Hydrofoil Ship

Washington (AFPS)—Plans for a 300-ton research vessel, called the "world's largest ocean hydrofoil ship" by its designer, have been completed and submitted to the Navy's Bureau of Ships.

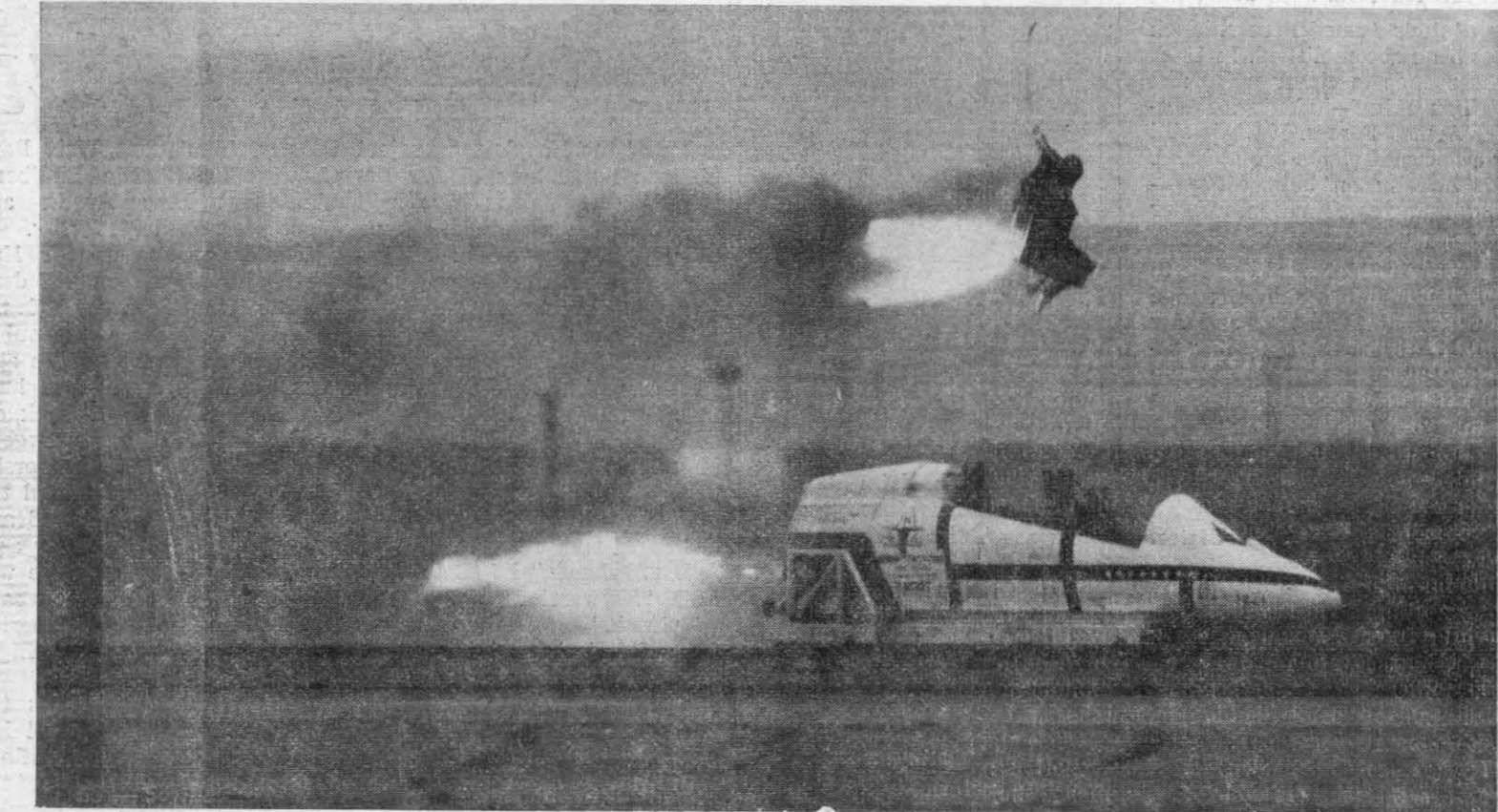
The ship is being developed under a two-phase contract by the Grumman Aircraft Engineering Corp., Bethpage, N. Y. The first phase calls for preparation of plans and specifications, the second for construction of the 200-foot vessel at the option of the government.

While underway the ship will be supported by three foils, or "wings," attached to struts projecting beneath its hull. Two are located forward of the ship's center of gravity, and the third is at the stern.

As the foil cuts through the water it creates lift to support the craft in the same manner as an airplane wing passing through air.

The ship's foil system will enable it to achieve speeds of about 45 knots, the company said. Another set of foils now being developed will boost its speed potential to about 70 knots.

The new Navy vessel will be powered by two gas turbines rated at 18,000 hp each and placed on the second deck between the two main foil struts. A series of right-angle drives will transmit power to twin screws located behind the main foils.



SNORT SLED SNORTS—The world's biggest track sled, a 16,000 pound B-58 bomber replica, tests jet-propelled ejection seat system at 820 miles-per-hour on SNORT (Supersonic Naval Ordnance Research Track) at the Naval Ord-

nance Test Station, China Lake. Vehicle is credited with saving many lives and millions of tax dollars through testing aircraft and components to discover flaws before actual flight conditions are experienced.

Diving Officer Discusses 'Bends' At Symposium

Recognized as an expert in his field, CWO O. L. Andersen, Diving Officer, Code P195, was invited to participate in a symposium on the "Medical Aspects of SCUBA Diving" held at Glendale College last week under the sponsorship of the Los Angeles County Medical Association.

Andersen's discussion dealt primarily with recognizing the early symptoms of caisson diseases—more commonly known as "the bends."



CALIFORNIA CUTIES — Softball fans will be treated to a show Saturday evening when the likes of these players take to the field in serious pursuit of victory over the NOTS All Stars. Needless to say, the home team doesn't stand a chance — the Cuties carry their sec-

ret weapon with them; their own umpire! The pre-game routine features dances, songs and a chorus number or two, then through seven innings of what might be referred to as a softball game. Game starts at 8 p.m. There is no admission fee.

Possible Pay Hike

DOD Study Examines Military Compensation

Washington (AFPS) — The current Defense Study of Military Compensation is considering all aspects of military pay, allowances and fringe benefits, according to DOD spokesmen.

Three major objectives have been announced by the Office of the Assistant Secretary of Defense, Manpower, which has the responsibility for the study.

However, within each of these objectives are numerous fields of study. Indicating the broad scope is the fact that more than 30 sub-studies are being undertaken at the present time and additional sub-studies will be assigned as the work progresses.

The major objectives are:

1. To identify personnel problem areas which can be significantly affected by changes or adjustments in the military compensation system.
2. To evaluate the efficacy of existing and proposed personnel management tools; including compensation in various forms, to alleviate the problems identified.
3. To recommend necessary changes, either legislative, administrative or both, for improvement.

The study group's conclusion and recommendation are due to be submitted to the Secretary of Defense by Oct. 31 this year. The Defense Department said it hoped to have any resulting legislative proposals before Congress in the following session.

First category among the sub-studies to be undertaken involves analysis of present and projected personnel requirements, by skills. This includes the personnel needed to man the projected force structures for the next five years and the goal is to identify imbalances in skill and experiences, both present and future, based on the forecasted requirements.

Other studies will try to determine the causes of personnel imbalances identified in the first category. Each element of pay and allowances will be studied to determine, so far as possible, its effectiveness in attracting and retaining the needed personnel for career military service.

Lieutenant Carl Vancil, Special Services Officer, reported that ticket sales for the production scheduled to play at the Station theater Tuesday evening, May 22, are "moving fast."

A box office has been established at the Community Center for ticket sales.

Aussies Tour Pasadena Plant

PASADENA — Five officers of the Royal Australian Navy and Air Force last week visited Pasadena to discuss the MK 44 Program.

Among the visitors were Wing Commander K. Therkelsen, RAAF, of the Office of Air Attache and Flight Lieutenant N. S. J. Keys, whose next assignment will be Technical Officer responsible for coordinating the introduction of the MK 44 torpedo into service in the RAAF.

Also visiting on the MK 44 program were Commander J. W. McClure, R.A.N.; Lieutenant Commander D. Falconer, R.A.N.; and Lieutenant J. Waller, R.A.N.

June Wilkinson Dick Patterson to Debut Sans Paint

Stars of the forthcoming stage play "Will Success Spoil Rock Hunter," June Wilkinson and Dick Patterson, will arrive here next Monday for "get acquainted" visits at the Acey-Ducey and CPO Clubs.

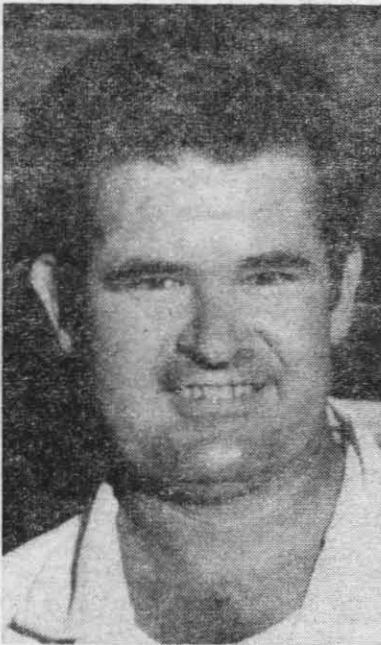
A reception at the CPO Mess (Open), starting at 4:30 will precede the visit of the performers to the Acey Ducey Club for dinner Monday evening.

Lieutenant Carl Vancil, Special Services Officer, reported that ticket sales for the production scheduled to play at the Station theater Tuesday evening, May 22, are "moving fast."

A box office has been established at the Community Center for ticket sales.

WHAT'S MY LINE?

You find the identities and occupations of these members of the NOTS Family on Page 12. But . . . try guessing first!



Staff Photos by Lee Mascarello

NOTS Advisory Board Ends 3-Day Conference

Command posture, the values of programs being conducted and the ultimate success with which the command's mission will be fulfilled, are under analysis this week with the meeting here of the Station Advisory Board.

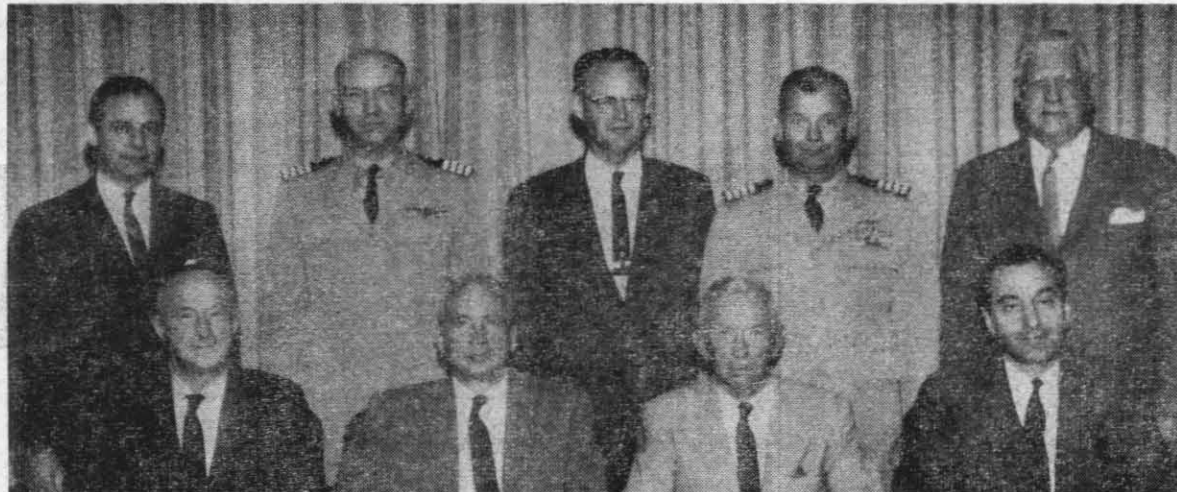
Recognized authorities in their fields of military and industry, the Advisory Board convened sessions last Wednesday, continuing through Friday afternoon.

Admiral Alfred M. Pride, U. S. Navy (Ret.) and former Commander of the U. S. Pacific Fleet Air Force, and Rear Admiral F. S. Withington, U. S. Navy (Ret.) were the two only military officers of flag rank in attendance.

The civilian board members included Dr. Herbert L. Ander-

son, Director, Enrico Fermi Institute for Nuclear Studies at the University of Chicago; Mr. Robert L. Riggers, Management Consultant, Bloomfield Hills, Mich.; Dr. N. E. Bradbury, Director, Los Alamos Scientific Laboratory; E. H. Heinemann, Executive Vice President, Guidance Technology, Inc.; Dr. W. H. Pickering, Director, Jet Propulsion Laboratory; and Dr. Ithiel De Sola Pool, Assoc. Director, Center for International Studies, Massachusetts Institute of Technology.

Dr. J. I. Bujes, former Radiological Consultant at China Lake, addressed the Board with a report on NOTS' contribution to the nondestructive testing of the Polaris missile. Bujes is now employed at the Naval Ammunition Depot at Concord, Calif.



ADVISORY BOARD — Convening three-day conferences here this week were members of the Station Advisory Board. They are, from left, back row, Dr. H. L. Anderson, Capt. Paul Van Leunen, Dr. William McLean,

Capt. C. Blenman, ComNOTS, Robert L. Biggers. Front row, from left, Adm. A. L. Pride (Ret.), Dr. N. E. Bradbury, RAdm. F. S. Withington (Ret.) and Dr. I. D. Pool. Group represents industry, science, and military leaders.

Prep School Rules Tightened By New Regs

WASHINGTON — This year's crop of Navy and Marine Corps enlisted men picked to go to the Naval Preparatory School as a preliminary to appointment to the Naval Academy is going to be more "hand-picked" than ever before.

New regulations governing selection of the future midshipmen can only be described by one word — tough.

The men may be younger, too. The maximum age limit has been set at 21 on July 1 of the year in which the candidate is admitted to the academy. Before, he had to be less than 22 on July 1 of the year in which the academy exam is held.

Before, also, it used to be that three years of high school would qualify a candidate if two years of algebra and geometry were included. This year, he must either be a high school graduate or have high school level GED test scores, plus a combined minimum GCT-ARI score of 118. The minimum GCT-ARI score before was 105.

The examination the candidates have to pass to enter the Preparatory School is scheduled for July 5. Even the exam has gotten tougher. New this year are questions on physics and chemistry — the applicant can take either or both, but he must take one.

Also new this year is a hand-

Aerospace Cover Features NOTS Damper System

A pictorial study of a NOTS-designed nutation damper in simulated orbit graces the March cover of Aerospace Engineering magazine and, further, carries a technical article by Dr. W. R. Haseltine, entitled "Nutation Damping Rates for a Spinning Satellite."

The system, designed by H. L. Newkirk, NOTS Consultant, has been useful for studying gyroscopic stability of missiles and space vehicles. Measurements made with it facilitated design of the nutation damper for NASA's S-6 Satellite.

Work on this problem began about three years ago in a NOTS feasibility study of a classified space weapons system. The basic work has application to many of the spin-stabilized sounding and space vehicles currently undergoing development.

Dr. Haseltine explains in his article that some artificial satellites are given spin in order that the direction of one of the axes be fixed, or at worst, change direction extremely slowly. If the damping device is not correctly designed, the steady state spin axis will not be the desired one.

Swimming Pools County Ordinance

Station residents who own portable swimming or wading pools must maintain a protective enclosure in accordance with a recent Kern County Ordinance.

The ordinance states that the surrounding barrier must be not less than 4½ feet high and, except for gates, must not have openings large enough to admit a child.

SecNav Korth Due Here Wednesday On Inspection Tour

Secretary of the Navy Fred Korth will make China Lake his first stop next Wednesday, May 23, during an extensive tour of key West Coast Navy and Marine Corps installations.

Captain C. Blenman, Jr., Commander of the Naval Ordnance Test Station and his local host during the visit, said this is the Secretary's first official tour since taking office in January this year.



Hon. Fred Korth

Secretary Korth is scheduled to arrive at the Naval Air Facility at 9:30 a.m., proceeding to the Community Center for a presentation by Dr. McLean.

He is scheduled to tour Michelson Laboratory, four test ranges and witness firings of the Sidewinder and Terrier, Tartar or Subroc during the late morning hours.

Accompanied by Mrs. Korth, a Navy and Marine Corps Aide, a Public Affairs officer and administrative personnel, Mr. Korth is scheduled to depart for Pt. Mugu on noon.

He will tour that command briefly, proceeding to San Diego late Wednesday afternoon and remain there overnight. His tour will be resumed Thursday and take him to Seattle Friday afternoon.

ASPA Sponsors 'Candidates Night'

The China Lake Chapter of The American Society for Public Administration (ASPA) is sponsoring a "Meet the Candidates" evening to be held at the Burroughs High School multipurpose room on Thursday, May 24 at 8 p.m.

Candidates scheduled to appear are Walter Osborn, Kelly

Steele, and Kenneth Bates who are candidates for the two vacancies on the Superior Court. The other two candidates for these vacancies may also attend. They will discuss the recent ASPA study on the California Judiciary and also their qualifications for this office. The public is invited.

Crowds Can't Faze This Department

While thousands of Armed Forces Day spectators are today taking advantage of the occasion to capture a close-up view of "Power for Peace" as represented at China Lake, several thousand other guests annually tour NOTS as a matter of daily routine.

W. H. Hampton, Technical Presentations Coordinator for the Command, estimates that nearly four thousand guests from industrial fields, educators, students, foreign military officers and numerous groups on holiday tours will this year spend up to three-day visits at China Lake.

Assisted by Richard W. Rusciolli is scheduling, planning and conducting station tours, Hampton stated that visits to the

station by groups normally are scheduled several weeks in advance to the actual visit.

"We strive to provide individual interests for each group," he added, explaining that what interests an industrial group may not prove as appealing to a band of educators.

He explained that, though his department arranges and conducts the station tours, it is ultimately responsible for a much larger area of "public education," and activities.

And, though his department was not primarily responsible for today's open house activities, it did help develop much of the spectator-appeal that is today on display.

written, personally composed statement by the candidate telling in 200 to 500 words why he wants to go to the academy. If the applicant has ever been to college, he must tell in this statement why he left.

Commanding officers are being asked to play a more important part in the selection of these academy appointees. They have been told to set up three-man screening boards, to personally interview the prospective appointees and to evaluate the applicant's potential before sending the application to the Naval Preparatory School.

The prep school will have a new screening board of at least nine officers who will pick not

more than 350 of the best qualified Navy and Marine Corps applicants for further screening by officials at the Naval Academy. Thus, by the time the final recommendations are sent into the Bureau of Naval Personnel, only the fully acceptable candidates will be left. By law, only 160 of these can be appointed to the academy.

The new regulations, contained in BuPers Notice 1531 of April 25, have been made tougher, BuPers officials say, to cut down on the number of men who fail to make the grade at the Prep School or later at the Academy.

Better screening and more attention to the physical requirements will decrease the number

of these failures, the Notice says. The directive points out that many men in the past have been sent to the Prep School although they have physical defects which should have been detected by their commands.

The whole operation of picking men for the Prep School is also being speeded up. Skippers must airmail the exam booklets and answers to the Naval Examining Center, Great Lakes, Ill., the day after the test is given. All of the papers will be graded by the time the Prep School screening board meets on Aug. 1, and the names of the selectees should be known by Aug. 15. The Prep School will start classes on Sept. 17 this year.

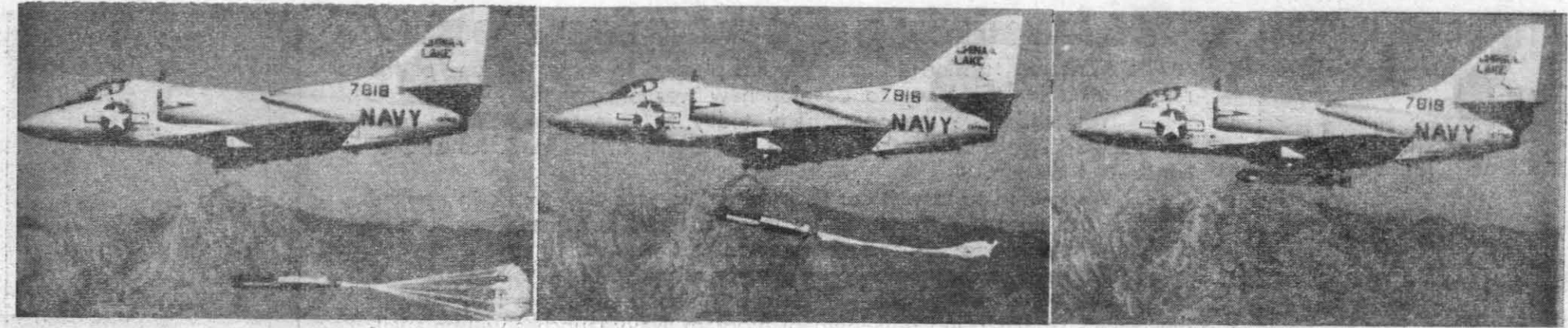


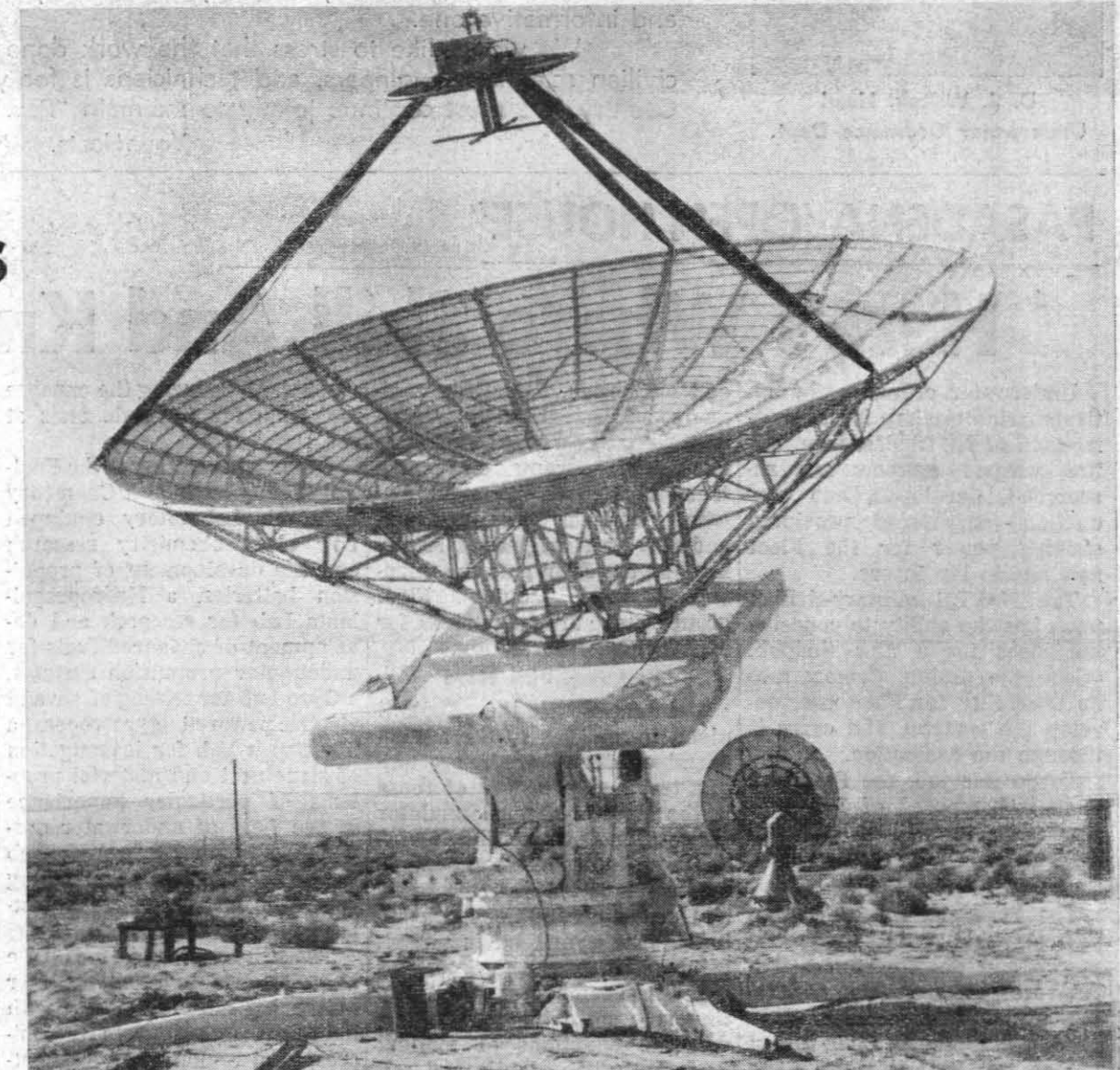
PHOTO SEQUENCE of torpedo drop by parachute helped develop new weapons delivery system.

Teamwork, Know-How NOTS Partners

Technical programs at NOTS begin with a basic idea, progressing through a process of germination, to come out as completed weapon systems. Behind the successful weapons developed at NOTS there exists two valuable assets—know-how and teamwork. Supporting this teamwork and know-how are well-mannered and well-equipped laboratories and test facilities for testing ideas in the initial and final stages of development.

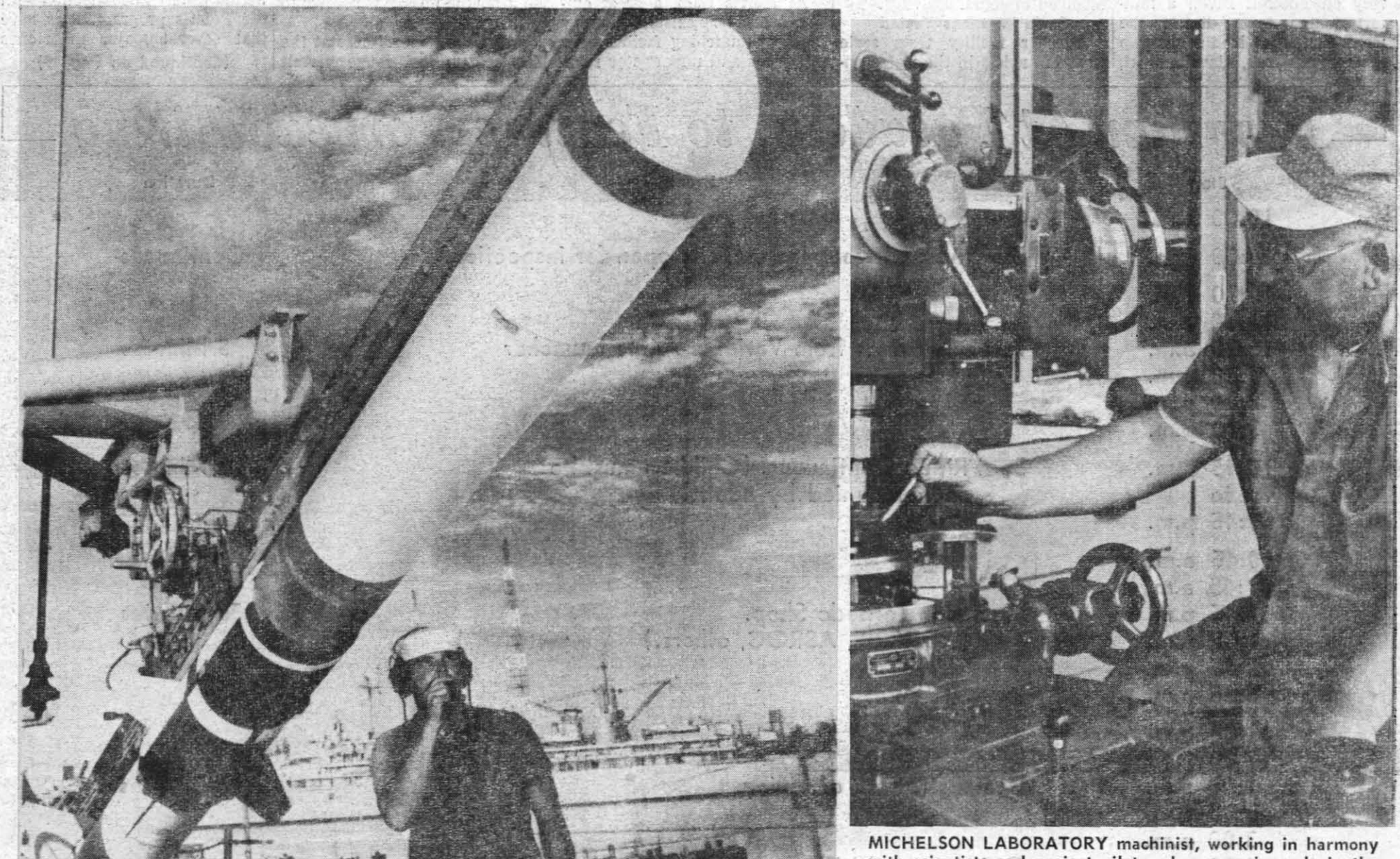
Through development and test programs NOTS experiments with many new ideas. Testing of original designs and retesting of modified designs helps to develop practical weapons for fleet use. Test results are recorded by up-to-date photographic and electronic equipment. Modern data assessment equipment converts test films and electronic data into graphs and tables to provide an accurate picture of the behavior of tested weapon systems.

The technical programs at NOTS can be grouped into four major categories: Research, Development, Test and Engineering. Behind each successful missile test there are scientists and engineers who coordinate these programs and give them proper direction. Basic ideas come from the laboratories where both pure and applied research is done in physics, chemistry, mathematics, ballistics, and propulsion. At NOTS military and civilian personnel work in many programs, but toward a common goal—to create practical and superior weapons for the Navy.



ELECTRONIC EARS are tuned to outer space in satellite tracking. This portable tracking device is one of a variety of systems used in research and development

programs conducted at China Lake in the satellite-communications fields. Extensive work in interplanetary research is an area of keen importance to men with vision.



THE REAL TEST comes when NOTS turns over weapons for use in Fleet as illustrated by this shipboard armament.

NOTS weapons are today the free world's strongest deterrents to aggression, and are in use by NATO nations.

MICHELSON LABORATORY machinist, working in harmony with scientists and project pilots, plays a major role in the NOTS story. NOTS conducts weapons development from embryonic to manufactured stages and boasts one of world's best equipped laboratories.



D. J. Wilcox, Head Underwater Ordnance Dept.

'Maintaining Power for Peace'

Welcome to Morris Dam. We are pleased to show you one of the ranges used by the Navy to develop new weapons for the Fleet.

You will have the opportunity today to witness launchings from the Variable Angle Launcher, a unique test facility of the U. S. Naval Ordnance Test Station.

We invite you to visit our Propulsion Pits and view work in applied research and chemical power, prime movers, hydro-turbomachinery, underwater propulsion and acoustic measurements.

We have on display weapons developed by NOTS. Our Navy divers will give demonstrations of the role they play in the Navy's research and development program. Navy launches will be available for tours of the lake.

Remember, this is your Navy. We want your visit to be a pleasant and informative one.

We would like to stress that the work done by the U. S. Navy, its civilian scientists, engineers, and technicians is for you, the citizens of our Country. We must continue jointly to maintain "Power for Peace."

Your Hosts.



E. I. Malone, Capt., USN Officer in Charge

PASADENA 'OPEN HOUSE'

UNDERWATER ORDNANCE

Here's Where Skill And Know-How Pay Off

Underwater ordnance for anti-submarine warfare is the special field of NOTS Pasadena. Entire weapon systems are researched, developed, and production-engineered providing striking power for the Fleet now and in the future.

The NOTS military-civilian team has the ability to conceive the ideas for a new weapon, create the design, demonstrate its feasibility for Fleet use, develop the weapon, and carry it through the evaluation.

To do this job, the Pasadena team is composed of 150 military men and 870 civilian employees.

Foothill Headquarters

The Pasadena Annex encompasses a wide area of unique research and development activities—ranging from the Laboratory at 3202 E. Foothill Blvd. in Pasadena, to Morris Dam, to test ranges at Seal Beach, Long Beach, and to 60 miles off the Southern California Coast to San Clemente Island.

At the headquarters laboratory on Foothill Blvd., a military-civilian team directs the many facets involved in weapon system research, development,

and evaluation. Scientists, engineers, and scientifically trained military personnel exchange ideas and concepts, and carry them through development. Existing weapons are improved and new ones originated. Assuring that the Fleet gets the weapons it most requires, Fleet groups make frequent visits for exchange of information.

Test Facilities Here

Maintained at the Foothill plant, in addition to the administrative offices, are many unique test facilities. One of these is the Hydrodynamic Simulator for testing ASW missiles, torpedoes, and torpedo components under simulated hydrodynamic and acoustic conditions prevailing in the actual environment. Information from the Simulator is fed into computers which continuously solve the four hydrodynamic equations of motion: deviation, pitch, depth, and roll—the characteristics of torpedo behavior during an underwater run. Analysis of this information saves thousands of dollars involved in actual sea runs.

Scale Weapons Tested

Another facility tests scale weapon models in the water en-

vironment, reducing the expense and time for full-scale tests at sea.

Other laboratories at the Foothill facility include a Chemistry Research Laboratory equipped for electrochemistry research and the development of propulsion batteries, a Hydropropellants Lab for research and development of advanced fuels for underwater propulsion systems, a Gyro Lab for testing of air and electric-powered gyroscopes, a Structures Lab for investigation of structural and material problems of particular importance in the field of underwater ordnance, and an Electronics Lab for developing and constructing precision instruments for testing underwater missiles.

These instruments include photo-electric equipment for measuring missile velocity with light-flash durations in the microsecond region, radio telemetering equipment, and internal digital recorders for use in torpedo exercise heads.

Morris Dam Lab

At Morris Dam, a great outdoor laboratory exists with many types of launching facilities for torpedoes and underwater rock-

ets. Here water-entry studies and short-duration runs of full-scale missiles are made.

Driving through the San Gabriel Canyon, one of these launchers is visible from the road—the Variable-Angle Launcher (VAL). It is the only facility of its kind in this country and perhaps in the world. A giant blow gun, the VAL has as its main component an all-welded steel bridge 22 feet wide, 35 feet high, and 300 feet long, the size of a submarine.

Missile Launching Told

Missiles are launched by compressed air through launching tubes, easily achieving velocities up to 1,000 feet per second or 682 miles per hour. Sideview, rearview and overhead cameras record the path of the missile, and an array of hydrophones in the under-water sound range trace the underwater trajectory.

The missile itself contains an elaborate system of instrumentation for providing information on position and behavior. These internal measurements are studied after the missile is recovered by Navy divers.

Propulsion laboratories at the Morris Dam test range permit

applied research in chemical power, prime movers, hydro-turbo-machinery, underwater propulsion, and acoustic measurements.

For torpedo runs under actual service conditions, NOTS operates in 475 square miles of sea range near Long Beach. Many craft and special equipment are used, including ships and submarines of the fleet, launching craft, a vessel loaded with special equipment for taking noise and vibration measurements of underwater missiles and for study of ocean acoustics. This craft has an elaborate system of sonar, radar, underwater telephones, cameras for underwater photography, and a stable platform that can be lowered 600 feet into the sea for underwater launching of rockets.

Also at Long Beach is a staging area for Polaris missiles on their way to San Clemente Island for testing.

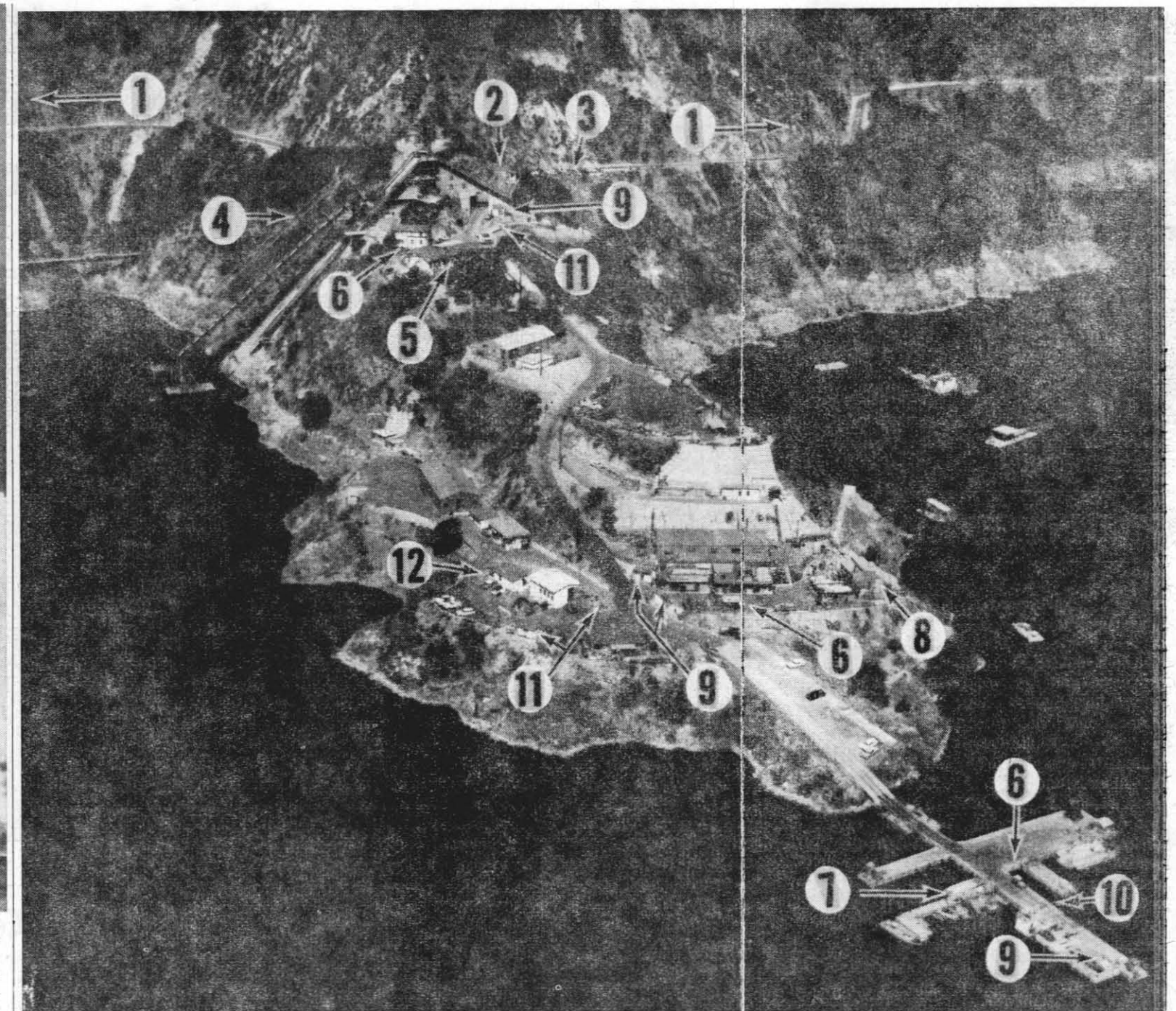
Milestones Reached

NOTS activity at its San Clemente Island base has been publicized widely in connection with the Polaris program. It is here that several major milestones

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POLARIS AWAY! At a San Clemente Island test range, a live launch demonstrates the ability of Polaris to accomplish the transition from underwater launch to controlled powered flight, a major milestone in the Navy's Polaris program.



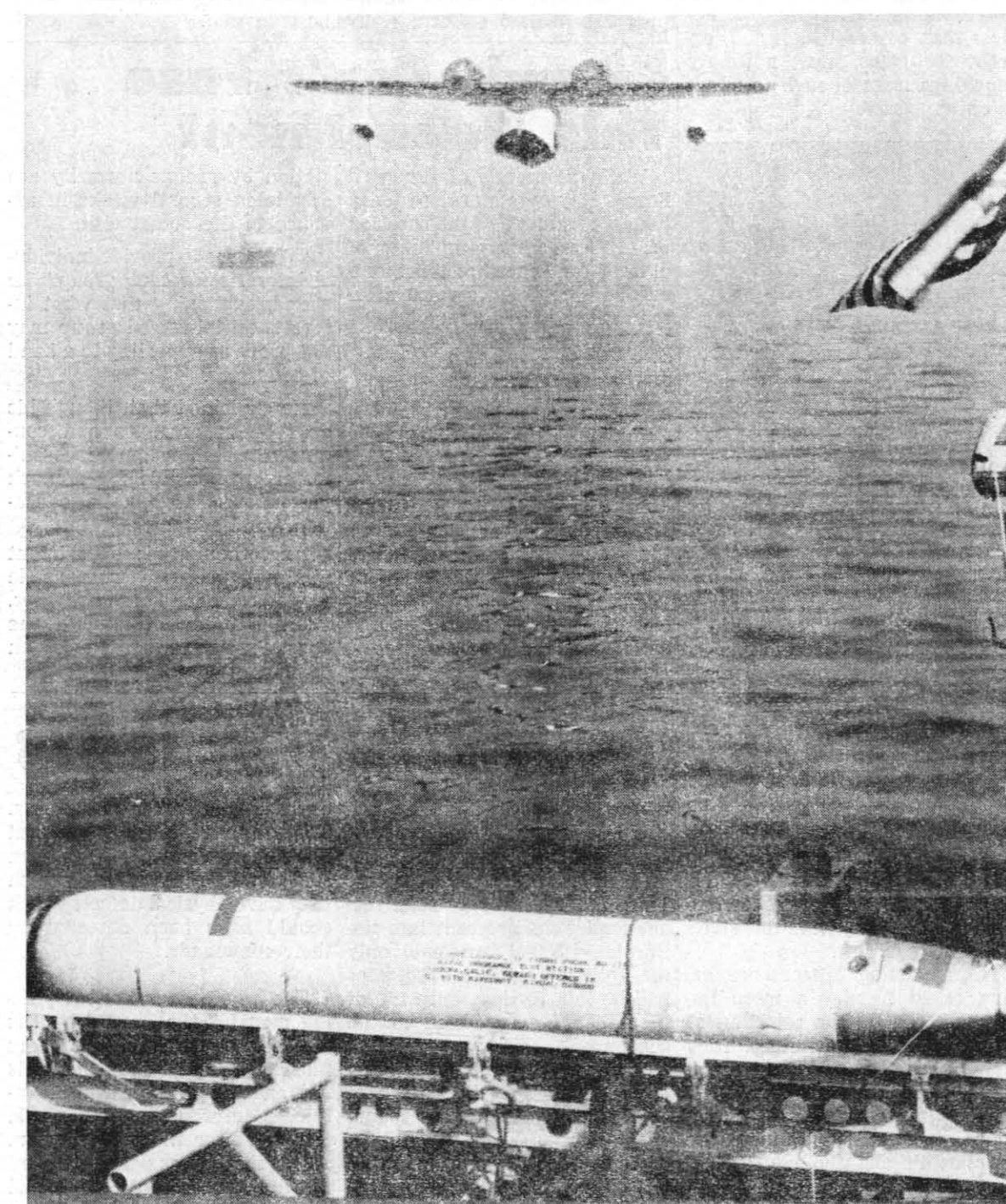
MORRIS DAM LOCATIONS

- 1. Visitor Parking Area (Bus Service to Gate); 2. Entrance from Highway; 3. Parking Area; 4. Variable Angle Launcher; 5. Movies;
- 6. Displays; 7. Boat Rides; 8. Propulsion Pits; 9. Rest Rooms;
- 10. Divers; 11. Canteen; 12. Dispensary.

Program At Pasadena to Feature Torpedo Firing

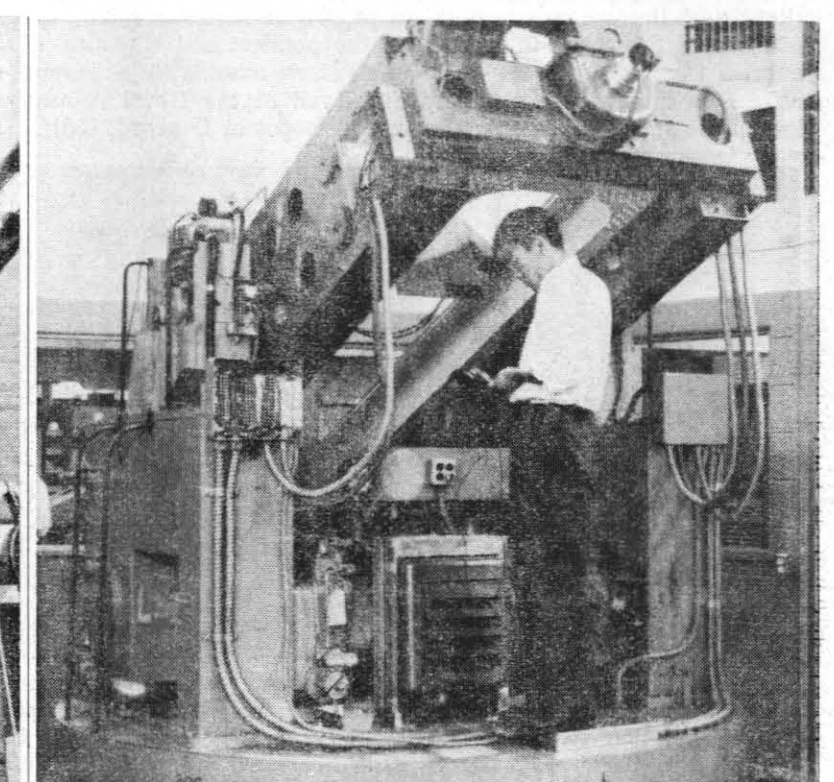
Start	Event	Duration
10:00 a.m.	Gates open.	
10:00 a.m.	Displays and weapons exhibits open for inspection.	Continuous
10:30 a.m.		
11:30 a.m.		
12:30 a.m.	Torpedo firings from Variable-Angle Launcher	5 Minutes
1:30 p.m.		
2:30 p.m.		
3:30 p.m.		
10:45 a.m. to 3:45 p.m.	Boat Rides. Continuous. (Children must be accompanied by adults.)	15 Minutes
10:45 a.m.		
11:45 a.m.		
12:45 p.m.	Movies in Torpedo Shop. (POLARIS, ASROC, others.)	55 Minutes
1:45 p.m.		
2:45 p.m.		
3:45 p.m.		
11:00 a.m.		
12:00 Noon		
1:00 p.m.	Demonstrations of diving.	20 Minutes
2:00 p.m.		
3:00 p.m.		
4:00 p.m.	Gates close. Visitors must clear the area by 4:30 p.m.	

PHOTOGRAPHY permitted. Please observe restrictions posted. Children must be accompanied by adults.



LONG BEACH SEA RANGE — A torpedo is readied for firing at the Long Beach sea range. Plane in background will start its cameras as "fish" leaves torpedo tube and

trace its "run" on enemy target. Experimentation of this nature is a vital element in the overall research and development programs conducted by NOTS Pasadena.



DRY-LAND TORPEDO RUN — In the hydraulic simulator, an ocean torpedo run is simulated. The torpedo experiences the same depth, pressures and forces via this dry-land method as it would during actual water tests.



NOTS PASADENA headquarters, located on Foothill Blvd., coordinates research and development programs on underwater and anti-submarine weapons systems for defense of Nation. It is from this location that work is coordinated at San Clemente Island, Morris Dam and Long Beach facilities.