

## Local VX-5 Squadron Develops New Bomb Delivery Techniques

Playing a key role in the Navy's weapons program is an air development squadron right here at NOTS.

Air Development Squadron Five, (VX-5), probably the Navy's top test squadron, was originally commissioned at NAS Moffett Field in June 1951. Deploying at NAF China Lake in June 1956, the squadron has become well known to the NOTS community.

Commanded by Captain Richard A. Beveridge, USN, the squadron has approximately 30 officers and 200 enlisted men, including two Marine pilots and one Air Force exchange pilot.

Ideal flying weather, characteristic of the Mojave Desert, and the well instrumented ranges available at NOTS provide a favorable atmosphere for the role of this squadron. Its mission is of a continuing nature. As the Navy's latest types of attack airplanes are scheduled for Fleet delivery they are assigned to VX-5 to determine their capability for special weapons attack.

Under the logistic and operational control of the Commander, Naval Air Force Pacific Fleet and the technical control of the Commander Operational Development Force, VX-5 develops day and night and all-weather techniques for the delivery of special weapons by carrier-based airplanes.

During the course of six years, the squadron has evaluated AD "Skyraiders," F2H "Banshees," F7U "Cutlasses," F9F-8B "Cougars," F3D "Skyknights," and the A3D "Skywarrior," the Navy's largest carrier-based jet attack bomber. Now undergoing extensive study are the Navy's smallest attack airplane, the A4D "Skyhawk," and the latest of the famed "Fury" series, the FJ-4B.

As new techniques are proven and information compiled, it is promulgated in official reports to the Fleet squadrons to provide them with the information necessary to maintain the highest state of readiness.

### Electronics' Prints Sam Dorsey Article

Research Department Electronics Engineer Sam Dorsey again makes news in the technical publication "Electronics" for November with his 3-page article titled "Photoelectric Target for Missile Tests."

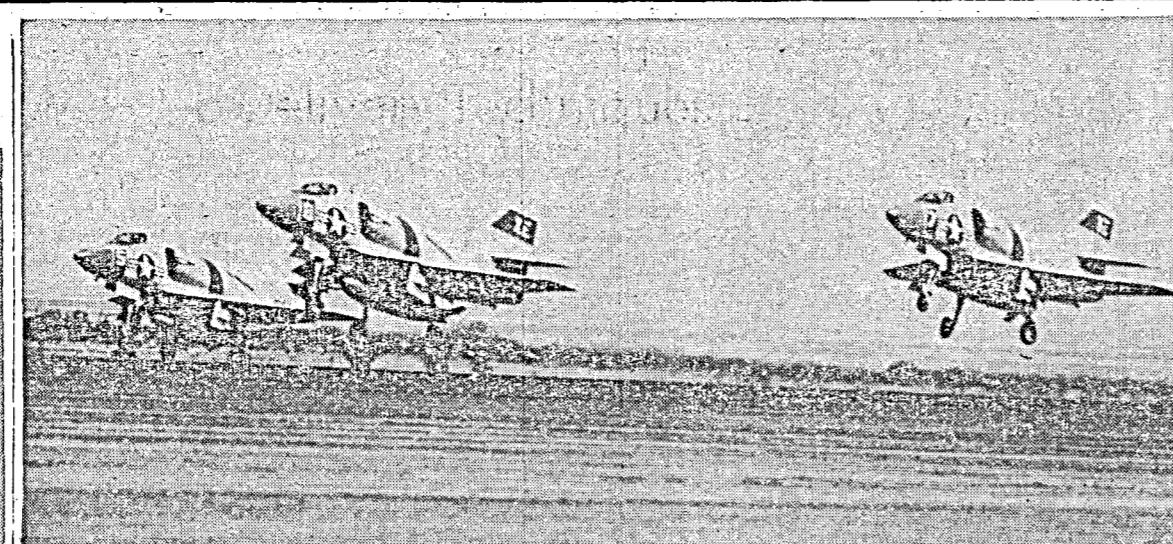
Dorsey has written numerous Navy AD technical reports and articles which have appeared in open literature publications such as "Military Automation," the "Journal of the Society of Motion Picture and Television Engineers, Inc.," including three other articles which have appeared in earlier "Electronics" engineering editions. Dorsey has been a NOTS employee since 1945.

### Book of the Week

*Face to Face* by Ved Mehta. A blind young Hindu finds in America the education and liberation he could not find in India.

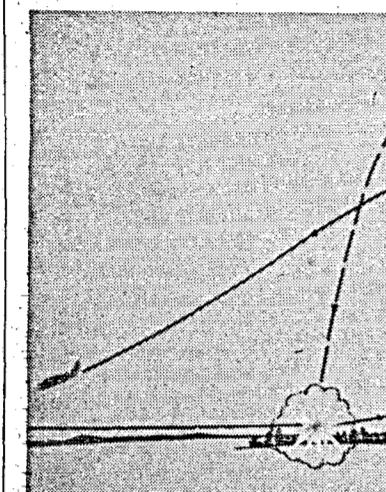


NEW CLUB HOUSE—Present at the new club house opening for the China Lake Navy Wives Club were Capt. F. A. Chenault (left) and Capt. W. W. Hollister (right). Club officers seated (l. to r.) are: Ann Pugh, Treasurer; Phyllis Thorpe, President; Shirley Birkholder, Recording Secretary; and Ann Smith, Corresponding Secretary. The new quarters are located next door to the Greyhound Bus Depot.



INSIGNIA OF VX-5, indicating the day and night capability of the squadron as well as its all-weather special weapons delivery potential.

THREE SERVICES REPRESENTED—Taking off in formation in A4D "Skyhawks," the Navy's smallest carrier-based attack bomber, are three aviators serving with VX-5, but representing three different branches of the service. Flying the jets (l. to r.) are Lt. E. R. Christie, USN, (who recently left the squadron); Major D. E. Wegley, USMC; and Captain S. Clark, USAF, who also leaves the squadron this week.



VX-5 takes justifiable pride in a backward loop, recovering in the direction from which it came, and escaping the blast effect of the weapon.

This particular maneuver, a standard one-half-cuban eight, is now affectionately called "the idiot loop" by the delivery pilots.

Diagrammed above are 3 variations of this type of bombing—low, medium and high angle lofts. The latter is more commonly called the "over-the-shoulder" maneuver and is used when an initial pull-up point near the target cannot accurately be determined.

Other types of bombing techniques employed are: glide bombing (also developed and perfected by VX-5), toss bombing (a modified loft from altitude), dive bombing, and the BOAR (rocket assisted delivery).

Realizing their vital role in supplying the Fleet squadrons with the necessary "know how" of special weapons delivery, VX-5 continues to work energetically to meet this significant responsibility.

rumor that Sandquist Spa is to be abandoned?

Station officials report there is no basis to this rumor.

Matters of new business brought before the Council were:

- Inadequacy of barricades around contractor facilities: The Public Works Department and Command Administration are taking every possible action to correct this situation.

- Status of Station funds and effects of Satellite on Station programs and funds?: The money situation has not changed, and it is not known at present what effect, if any, the Satellite will have on Station programs or funds.

- Adequacy of Public Address System in auditorium of Community Center: This item had been referred to the Recreation Officer who reported that the present system is considered adequate.

- Request Wherry Housing list published in same manner as Station housing list: The Community Manager reported that Wherry Housing can be handled in same manner as other housing and will be considered at next Housing Board meeting.

- Complaint that street lights in Wherry housing area are not being turned on at night: It was reported that investigation of this matter found that one of the clocks controlling the Wherry lighting system had been out of commission for about a month, and that there should be no further trouble concerning the lighting.

- Questions Answered

- Do tenants moving from Wherry housing have any recourse against assessed charges beyond normal wear and tear?

A tenant may request an adjustment by the Station Commander, who has authority to adjust charges when circumstances warrant. Re-

Navy Exchange Holiday Hours  
All Navy Exchange activities will be closed Thanksgiving Day, November 28, with the following exceptions:  
Community Center Dining Room Open 5 to 9:30 p.m.  
Community Center Coffee Shop Open 5 to 11 p.m.  
Station Restaurant Open 7 a.m. to 1 p.m.

SERVICE AWARDS—E. W. Ellington, Head of the Manufacturing Division of the Engineering Department, presents 30 and 20-year pins to (l. to r.) Charles D. Radcliff, 30 years; Walter Petersen, 20 years; and Stephen Jurich, 20 years.



Vol. XIII, No. 47

U. S. Naval Ordnance Test Station, China Lake, California

November 22, 1957



## Washington Post Writer Klutz Praises Our 'NOTS Philosophy'

(Editor's Note: The following article written by Jerry Klutz appeared in the Washington Post. It was the result of a visit to NOTS Pasadena, Secretary of the Navy Thomas S. Gates in commenting on the article to Dr. Wm. B. McLean said, "My observations of NOTS coincide with those of Mr. Klutz." The article is reprinted in toto.)

A group of young Navy civilian "pros" in a ramshackle converted factory in Pasadena, Calif., have a refreshing approach to their work and their jobs that could be unique in the Federal service. They are part of NOTS, the Naval Ordnance Test Station, charged with the development of superior rockets and missiles. The installation there is developing deadly underwater guided missiles that can seek out and destroy enemy vessels.

A larger NOTS station is at staff. Their average age is about 32 years. NOTS gets them young, usually out of college graduating classes, and it trains and encourages them and gives them challenging work.

It is the only major Government scientific agency I know of which isn't faced with a serious shortage of professional people. NOTS isn't hunting for them. It's building up an excellent reputation as an excellent place to work, and it doesn't have too much trouble attracting 100 to 150 carefully selected science and engineering graduates each year, despite higher salary offers elsewhere.

THE TOP CIVILIAN and military people in NOTS are young and bright, and they work together as a team. Examples:

Dr. William B. McLean, technical director, is only 42. He was given a cash award of \$25,000, a record amount, for conceiving and helping to develop the Sidewinder, the Navy's deadly air-to-air missile. He's a former employee of the Bureau of Standards here.

Douglas J. Wilcox, chief of the Underwater Ordnance Department, doesn't look his 36 years. On his young shoulders lies the heavy task of developing underwater weapons that will make the oceans too hot for enemy submarines.

As a member of the Golden League, the Burroughs High School "A" team placed third in football this year and the "B's" placed second. It is hoped that the basketball team will win a large majority of their 12 games in the league. Coach James Nau says it is too early in the season to predict the successfulness of the team, but that three lettermen from last year's varsity squad are back and turnouts at practice have been good.

Coach Nau is new to Burroughs this year and is himself a former varsity basketball player from Oregon State College at Corvallis. The six-foot-five-inch coach promises that the basketball players will be busy boys for several weeks and, if not successful winners at least good sports.

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## United Fund Contributions Short Of Goal; Mop Up Drive Begins

The United Fund Drive in the Indian Wells Valley, which officially closed November 15, is now engaged in a "mopping up" operation, according to Augie Schaefer, campaign manager.

Wanda Shomate, coordinator-consultant of China Lake Schools, will give preliminary talks on National Book Week at each school as an introduction to the book reviews.

Book Week displays were designed by all grade school and Junior High School students, and Book Week book marks will be presented to the students.

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## NOTS Dart Target Fulfills Fleet Need

Representatives of the Fleet Air Gunnery Unit at El Centro, the U.S. Naval Air Development Center at Johnsville, Pa., the U.S. Marine Jet Fighter Squadron 115, ComAirPac, NOTS, and the Douglas Aircraft Corporation met on the Station recently to determine the feasibility of equipping carrier based fleet squadrons with the NOTS inspired and developed Dart target.

A concrete result of this meeting was the evolution of a practical method for launching the Dart target from a carrier flight deck with minimum interference in normal carrier operations. This had been the major stumbling block to immediate employment of the device. By eliminating many ideas of only marginal suitability, the meeting brought the Dart target several steps closer to introduction as a standard fleet target, thereby creating another milestone in the effort to fulfill the operating fleet's serious need for target services.

Among those whose presence contributed to the success of the meeting were Bill Ward, Bill Roney, Joe Hibbs, Frank Wenthink, LDCr. John Wolfe, LCdr. Richard Bishop and Lt. R. O. Westcott.

Applications should be filed at the Housing Office if a person is a new employee and has never before applied for housing or if an employee has received a promotion or has had a change in dependents status so as to affect his housing application.

Employees who wish to be considered for other housing and have not reapplied after being assigned family quarters, including trailers, should also file an application.

Those carried correctly on the October list who have not been assigned or offered family housing need not make further application at this time.

The Housing Office will appreciate the cooperation of tenants in giving notice of plans to vacate Station housing as far in advance as possible. Appointments for check-outs may be made by calling Ext. 72941.

## Commissary Closes

The Commissary Store will be closed Thanksgiving day.

Regular business hours will be observed on all other days of the week.

## Basketball Season Opens at Burroughs

Burroughs High School gridiron hung up their football uniforms after their homecoming game last Saturday to this week don new green and white outfits that will be seen on the basketball courts this winter.

Trona High School, competing against the Burros at the closing football game, will also open the Burros basketball season on November 27 in Trona. Burroughs lost to Trona last week, 38-0.

As a member of the Golden League, the Burroughs High School "A" team placed third in football this year and the "B's" placed second. It is hoped that the basketball team will win a large majority of their 12 games in the league. Coach James Nau says it is too early in the season to predict the successfulness of the team, but that three lettermen from last year's varsity squad are back and turnouts at practice have been good.

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JACK FROST?—No. Brad Kopps, son of LCdr. and Mrs. R. L. Kopps of 524-A Nimitz. Somebody left their sprinklers on Sunday night and Brad woke up and had popsicles for breakfast Monday morning as the temperature dipped to below freezing.

