

'My Fair Lady,' 'South Pacific' Are Scheduled

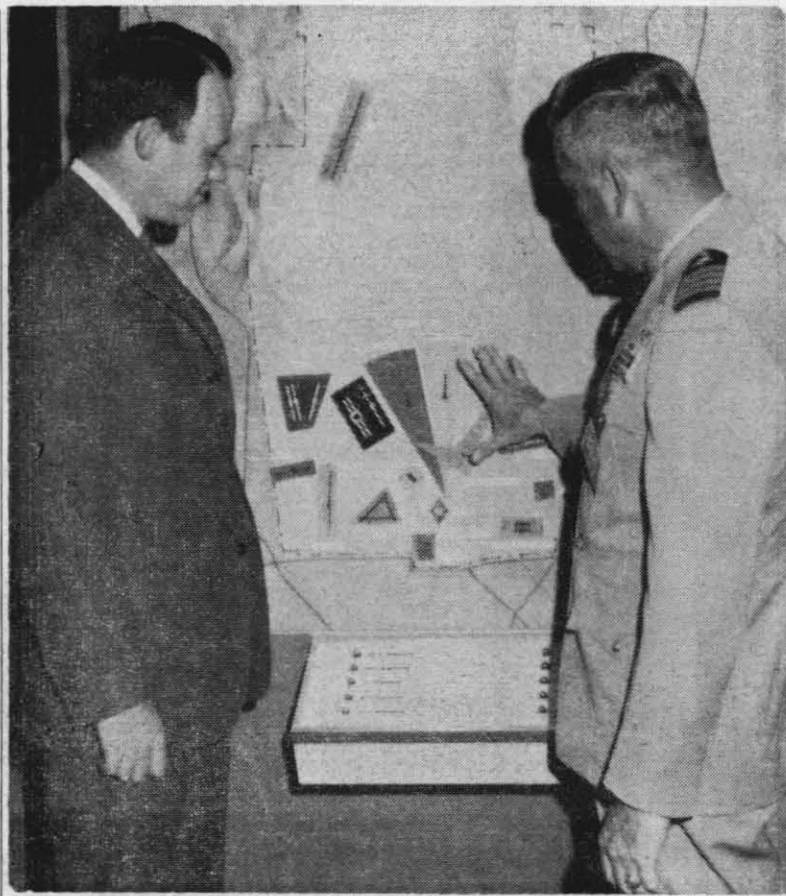
Two fabulous Broadway hits, "My Fair Lady" and "South Pacific," will be the first two productions of the newly organized Community Light Opera and Theatre Association here.

The musicals were approved Monday at the association's organizational meeting.

"My Fair Lady" is scheduled for six performances on May 13, 14 and 15, and 20, 21 and 22. "South Pacific" is tentatively scheduled for sometime in July.

At the meeting, Dr. Richard Ashcom was unanimously elected first president of the association. Also elected were George Coulter, vice president, Don Yockey, secretary, and Carolyn Lindberg, treasurer.

The nine-member board approved a constitution establishing the association as a non-profit community organization.



DR. WILLIAM P. RANEY, special assistant to the Assistant Secretary of the Navy (R&D), was briefed on NOTS projects during visit here Jan. 28-29. Above, Capt. John I. Hardy, ComNOTS, explains various ranges on the station. Dr. Raney also conferred with project directors of the Research, Weapon Development and Propulsion Development Departments.

SHOWBOAT

FRIDAY FEB. 5
 "THE TIME TRAVELERS" (83 Min.)
 Preston Foster, Phillip Corey
 7 p.m.
 (Science-Fiction in Color) Thrilling and unusual story of a scientific team experimenting in moving time forward or back. Gear jams into forward lock. Best in its class. (Adults, Mature Youth.)
 Shorts: "Road to Andalus" (7 Min.)
 "Commuting for Adventure" (10 Min.)

SATURDAY FEB. 6
 —MATINEE—
 "THREE STOOGES MEET HERCULES" (89 Min.)
 1 p.m.
 Shorts: "Woodman Spare That Tree" (7 Min.)
 "Cody of the Pony Express" (No. 1 of 15 Chapters)
 —EVENING—
 "BACHELOR IN PARADISE" (109 Min.)
 Bob Hope, Lana Turner
 7 p.m.
 (Comedy in Color) An author of expose books moves to a small California development and proceeds to enamor all the wives until the husbands "organize." Suburban Bob! (Adults, Mature Youth.)
 Short: "Magical Maestro" (7 Min.)

SUNDAY-MONDAY FEB. 7-8
 "OF HUMAN BONDAGE" (98 Min.)
 Kim Novak, Laurence Harvey
 7 p.m.
 (Drama) Classic drama of a crippled painter and his corrosive love for an emotionally crippled woman of ill-repute. A love that could never be, by Maughm. (Adult.)
 Short: "First Bad Man" (7 Min.)

TUESDAY-WEDNESDAY FEB. 9-10
 "EMIL AND THE DETECTIVES" (99 Min.)
 Walter Slezak, Roger Mobley
 7 p.m.
 (Comedy-Drama in Color) Disney tells of a small German boy who is robbed, and of his friends who match their wits with adult bank robbers. Fun and suspense for everyone. (Adults, Youth, Children.)
 Short: "Baggage Buster" (7 Min.)

THURSDAY FEB. 11
 WORLD AROUND US SERIES
 "Second Look at Africa"
 7:30 p.m.

FRIDAY FEB. 12
 "HELL TO ETERNITY" (132 Min.)
 David Janssen, Jeffrey Hunter
 7 p.m.
 (War-Drama) A Marine, reared by Japanese-American family, finds it difficult to kill at Saipan but becomes a hero by causing surrenders. Lots of action, some suspense and liberty party to end 'em all. Here's one of the better war tales. (Adult.)

Chester Creider Heads Editorial Branch at TID



CHESTER A. CREIDER JR.

Chester A. Creider Jr. is now Head of the Editorial Branch, Publishing Division, of TID.

Prior to coming to NOTS, Creider was for three years senior publications engineer at Philco Western Development Labs, Palo Alto, Calif. His background in technical writing and related areas also includes three years as manager of the technical publications department of Radiation, Inc., Palo Alto; eight years with the FMC Corp Ordnance Division, San Jose; and eight years with International Harvester Co., Rock Falls, Ill.

The new branch head received his liberal arts education at Lawrence College, Appleton, Wis., engineering at San Jose State, and technical writing at Berkeley and Foothill College, Los Altos, Calif.

Before moving west, Creider worked as a financial writer for the Chicago Daily News and a general assignment reporter for the Chicago Herald-Examiner.

Mrs. Creider (Vera) and one of their three sons, Laurence, 16, are expected to move here from the north this week. Laurence will be a freshman at Burroughs High. Chester III, 22, is attending Reed College, Portland, Ore., and David, 19, is at West Valley Junior College, San Jose.

The Creider residence is at 59-B Rowe.

'Seapower' On TV Channel 4, May Get 'Oscar'

"Seapower," a 27-minute documentary scheduled for broadcast tomorrow, via KNBC (Channel 4) at 5:30 p.m., was classified last week as a "documentary contender in the upcoming Academy Awards."

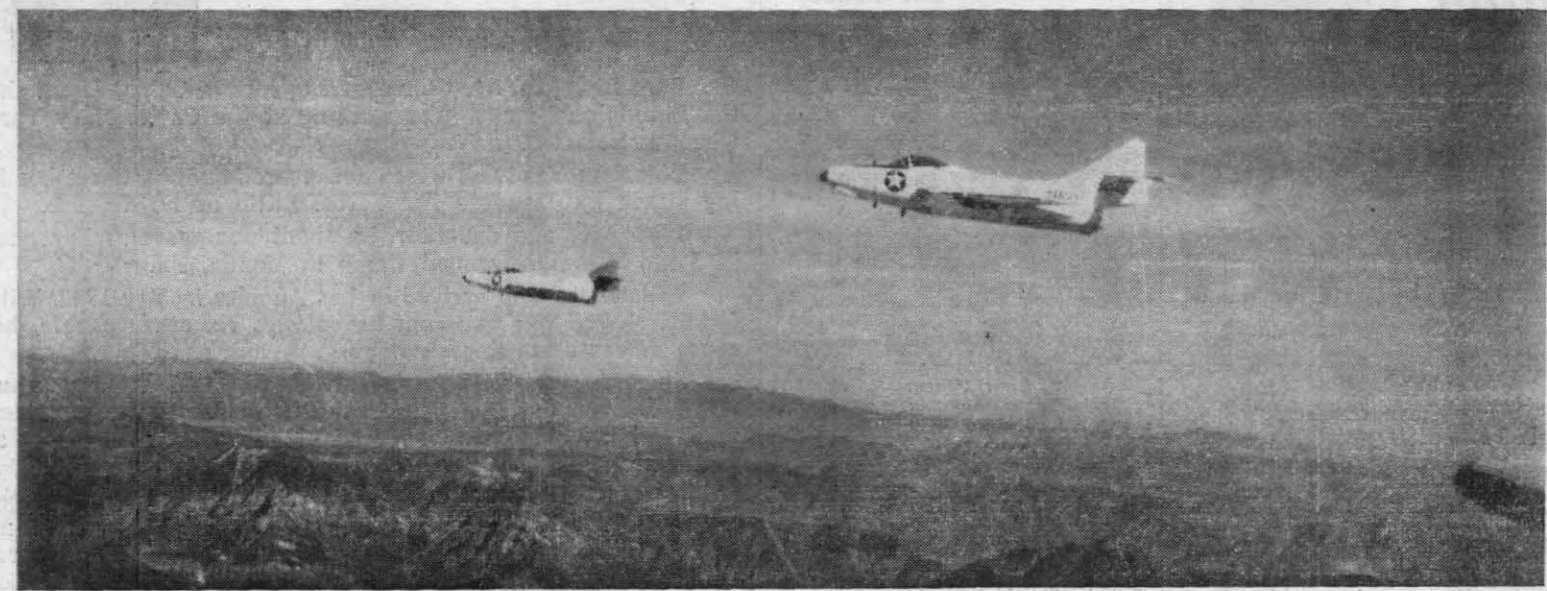
Writing about the powerful film in the Los Angeles Times last Sunday, Julian Hartt said, the film "achieves several notable effects which brand it as a cut above the average military documentary."

"In accomplishing this, it reflects great credit upon Paul B. Fay, Jr., Under-Secretary of the Navy and Vice Admiral John S. McCain, Jr., who originally developed the story concept."

From _____ PLACE STAMP HERE

TO _____

TV-Controlled Dual Drone Flight Sets Precedent Here



FIRST PICTURE ever taken of TV-controlled QF9G drones in flight over China Lake this week symbolizes "breakthrough" by local unit. In photo below, Lt. Todd Crombie, landing-launch control officer, guides drone through take-off from his control panel on runway.

Vol. XX, No. 5 Naval Ordnance Test Station, China Lake, California Fri., Feb. 5, 1965

BuWeps Survey Brings Praise to NOTS Personnel

Preliminary reports stemming from the Station's Comprehensive Survey by a Bureau of Weapons team last month brought praise this week from Captain John I. Hardy, ComNOTS, for all involved in the inspection.

"The report clearly reflects the constructive attitude with which the survey was conducted," noted the Station Commander. "It also reflects evidence of a recognition and respect for the effectiveness with which the Station is carrying out its mission and for the manner in which staff and support services are being provided to facilitate accomplishment of that mission."

"I wish to express my sincere appreciation for your spirit of cooperation and helpfulness to the Survey Team, which were acknowledged to me by Captain Weeks, the Senior member."

"I commend you on the high standards you have been able to set and maintain in accomplishing functions under your supervision," he added.

363 Men Here Taking Exams For Promotions

The February service-wide competitive examinations for enlisted men got underway here Tuesday with 60 Naval Air Facility men and 11 NOTS personnel taking their exams for E-4 (third class petty officer) ratings.

A total of 363 men are going for higher rates.

Yesterday, the E-5 examinations were held for 83 from NAF and 40 from NOTS. Next Tuesday, 70 NAF and 28 NOTS bluejackets go for E-6, and on Thursday the final exams for E-7 rates will be taken by 44 men from NAF and 27 from the NOTS Enlisted Personnel Division.

All exams are being conducted at the Community Center.

Senior member of the examining board is LCDR. D. J. Bunker, assisted by LTJg M. E. McGovern and LTJg S. H. Mann.

66 Employees Reap \$7225 in Incentive Awards—See Page 3

NAF Division Commended on 'Breakthrough'

BY JACK BROWARD

A precedent-setting dual target flight through televised remote control has been achieved by China Lake's NAF-based Target Drone Division. The success ended a period of stalemate that for eight long, costly years had defense industrial giants stumped.

Though the dual target presentation has now neared "routine" stages here, the first such test was successfully conducted only last November at Pt. Mugu.

Inclement weather at China Lake forced the local men engaged in a "crash" program in late 1964 to shift their tests to the Pacific Missile Range installation.

Cites "Breakthrough"

Lieutenant Commander Jack B. Miner called the epic flight last November a "breakthrough" and praised the "dedication, initiative and spirit" of his integrated force of 69 officers, enlisted men and civil service technicians at China Lake.

Recalling the start of the local "crash" program, the 39-year-old naval aviator told how one defense industry had worked eight years to provide dual target presentation for the fleet.

"We watched the program with natural curiosity. Exposed as we are here to research and development, our sentiments were strongly invested in its success," he related.

By December 1963, however, time had run out and a meeting was called at the Navy's Air Development Center, Johnsville, Pa., to determine "where we were to go from there."

Plan Offered—Accepted!
 LCDR. Miner admits it was an "interim" plan when he suggested to Navy officials gathered for the conference that at least two drone targets could be flown under control through the implementation of television in one of the planes.

"That was the real starting point. Our crew here plunged into one of the darnedest work (Continued on Page 4)



Sunday Climaxes Another Big 'Visitors Week' Here

It was another big "Visitors Week" at China Lake this week, with an estimated 73 Naval officers and school administrators touring the Station and being briefed on various NOTS projects.

On Wednesday and Thursday orientation tours were conducted for 24 officers from the Fleet Anti-Submarine Warfare School; members of the Training Command, Pacific Fleet; the Fleet Training Group; Nuclear Weapons Training Center, Pacific, and members of the Anti-Air Warfare Training Center, Pacific.

Also on Wednesday and Thursday, 19 school administrators of the Laton, Calif., School District, were distinguished guests here.

Both groups were honored at a reception Wednesday evening

at the Commissioned Officers Mess (open).
 Starting this evening and continuing till Sunday, 30 members of the Naval Reserve Supply Company 9-7, Great Lakes, Ill., are here for conferences and a tour of many departments.

Rabies Vaccination, Dog Tag Schedule

Following is the schedule for the Kern County Health Department's rabies vaccination and license tag clinic for dogs:

Ridgecrest, County Fire Station, Saturday, Feb. 6: 10 a.m. to noon, and 1 to 5 p.m.

NOTS, China Lake, Building 937, Monday, Feb. 8: 10 a.m. to noon, and 1 to 5 p.m.
 Inyokern, County Fire Station, Tuesday, Feb. 9: 9 to 11 a.m.



LCDR. JACK MINER

CROSSWORD PUZZLE

Answer to Previous Puzzle

ACROSS

- 1-Defests
- 6-Slumber
- 11-Refund
- 12-Analyzed
- 14-City in Russia
- 15-Din
- 17-Symbol for ruthenium
- 18-Danish land division
- 19-Fruit cakes
- 20-Beast of burden
- 21-Roman gods
- 22-Bristles
- 23-Conspiracy
- 24-Guided
- 26-Showers
- 27-Fever
- 28-Son of Adam
- 29-Mortification
- 31-Join
- 34-Shallow vessel
- 35-Stupid persons (slang)
- 36-Tires-toed cloth
- 37-Goal
- 38-Complain
- 39-Shade tree
- 40-Lord (abbr.)
- 41-Old-womanish
- 42-Heraldic device
- 43-Deadly
- 45-Sprinter
- 47-Speak in slow, lengthened tone
- 48-Beef animal

DOWN

- 1-Recluse
- 2-Encourage
- 3-Hindu symbol
- 4-Latin conjunction
- 5-Lawmaking bodies
- 6-Malice
- 7-Girl
- 8-Before

35-Instruct 44-Initials of
 36-Eat away 26th President
 38-Sea eagle
 41-Exclamation
 42-Number 46-Guido's low note

Dist. by United Feature Syndicate, Inc. 15

'Slave' Plane Is Controlled By Television

(Continued from Page 1)

schedules I've seen. Everyone knew we had a time limit and it became a personal challenge to each man."

The auto-pilot controlled QF9 drone is "tricky" at best, even when a "chase plane" is flying control over the drone, according to Miner.

His unit selected two of the jet-powered planes as prototypes for the project, one fitted with a specially designed television camera and transmitter rigged under the left wing.

Television Guidance

This became the control plane and its mission was to keep the "slave" plane "on camera" at all times. The picture of the "slave" plane's relative position to the control craft was transmitted to the ground control station, sometimes up to 75 miles away, which maintained remote control over both planes through this method.

Up to this time, ground remote control was possible only over one unit at a time.

"Our final week of tests was socked in with bad weather here. Fortunately, Pt. Mugu's drone operations were open, so we shifted our equipment there for the last phase."

Credit Misplaced

Pt. Mugu's personnel aided in the finishing touches and were credited in at least one newspaper article that chronicled the successful flight, "but it was a China Lake product from start-to-finish," claims the wiry Navy pilot.

One of the Navy's smallest drone target units, the NAF-based organization has 12 QF9G (jet-powered) drones, 10 Q2C "Firebee" target drones, 4 DF-8F and 2 T-28 chase aircraft.

The QF9G — flown in Korea as the Navy's first-line fighter plane and by the famous "Blue Angels" — is used here in low-to-medium (500 to 30,000 feet) altitude tests. The Q2C drone target, a scaled-down version of a swept-wing fighter plane, is used for low altitude (50-feet) to high altitude (50,000 feet) and can also be used for high speed (500 knots) evaluation.

Because it is unrealistic in size and has limited payload capacities, the Q2C drone has serious restrictions in its use involving development of some surface-to-air missiles for fleet use.

Launched From Stands

Special launching stands have been erected at the G-1 range area for use of the Q2C target drones.

The QF9G drones are launched and landed at NAF using normal runway procedures. While the take-off is relatively simple, drone controllers encounter their greatest difficulties in the landing procedures.

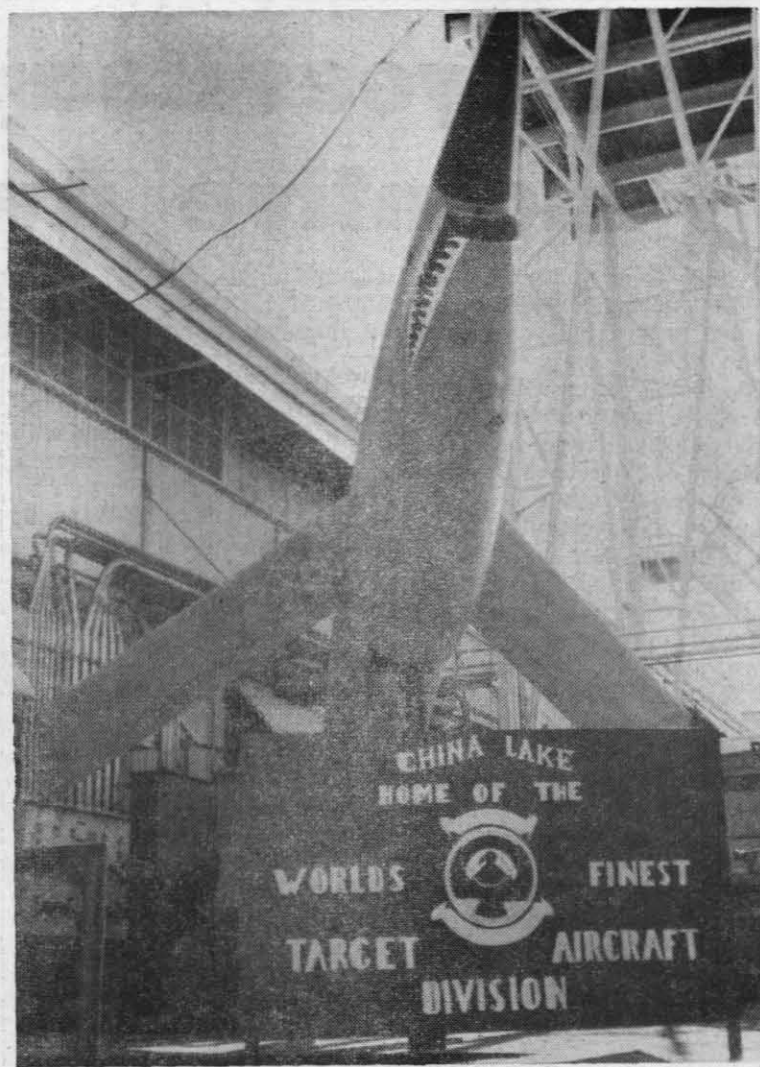
"At all times, we're faced with the operational competence of the proverbial 'black box,'" notes Miner.

Under control of a remote ground control is turned over to a T-28 chase plane for low altitude and slow pattern flying, once the drone leaves the ground.

After proper altitude and speed is attained, control is then turned over to DF8F jet chase planes and guided into the firing pattern.

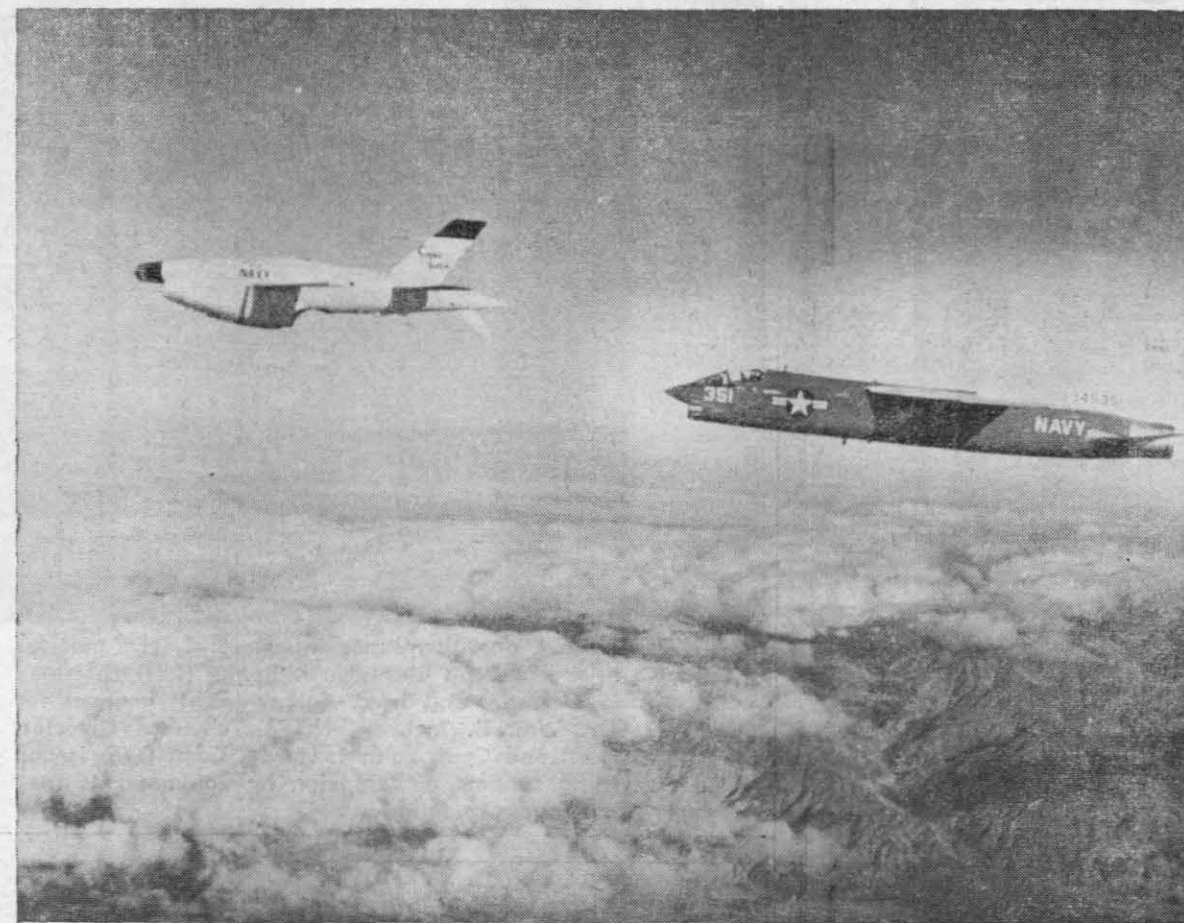
Control: Key Element

It is from this critical point on that control becomes the key (Continued on Page 5)

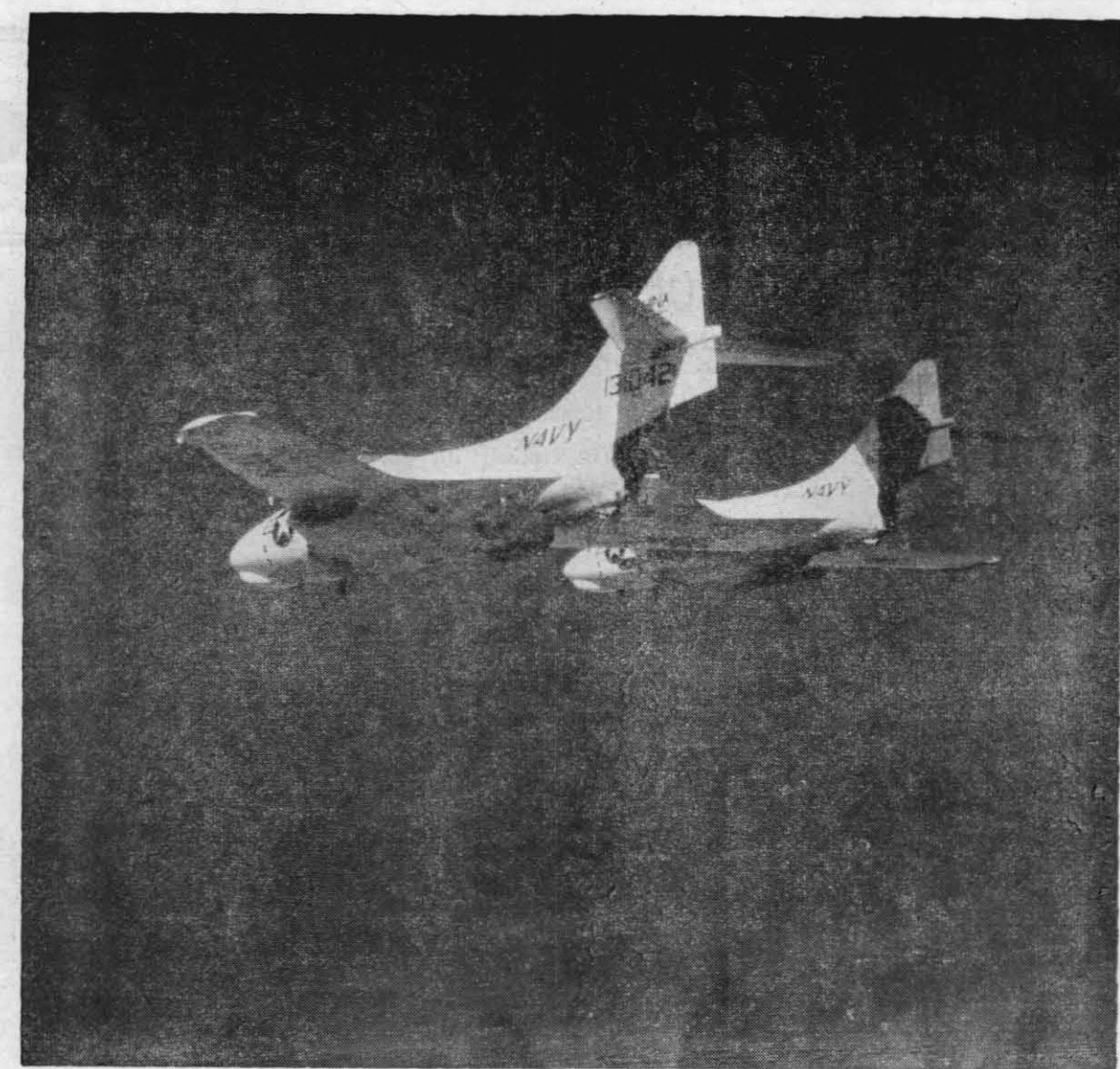


NAF's "REDBIRD" Division lays claim to "World's Finest!" Unit. It's also Navy's smallest but has racked up significant goal in dual-target presentation success.

'Project Drones'



DF-8 CHASE PLANE guides Q2C "Firebee" scale targets are used for high-altitude, high-speed tests, but also fly low-level.



DARK-TAILED TV control plane (right) is transmitting picture of "slave" plane at left. Both drones are unmanned and under remote control of ground station on G-1 Range.



CHASE PILOTS (l-r) are LTs. Pat Thompson, Ken Sikes, Dick Thomas, Dave Jordan and Dick Karr. LT. Sikes, due for transfer, is soon to be relieved by LT. Thomas, as assistant division officers. Pilots are all NAF based. Behind them is a DF8 chase plane.



'NERVE CENTER' team during dual target presentation includes (l-r) Robert C. Burks, Ken Seaman, John H. Kolm-Donald, ATN3; Oscar A. Perkins, LCDR. Miner and Gordon F. Zurn Jr.

RIGHT: Checking out TV control camera are (l-r) Ronald G. Stoutmeyer, Victor D. Bizon, Lloyd J. Holt, James W. Baker and David W. Maghe, AE2.

LEFT: "Redbird" division includes two officers, 51 enlisted men and 16 civilians.

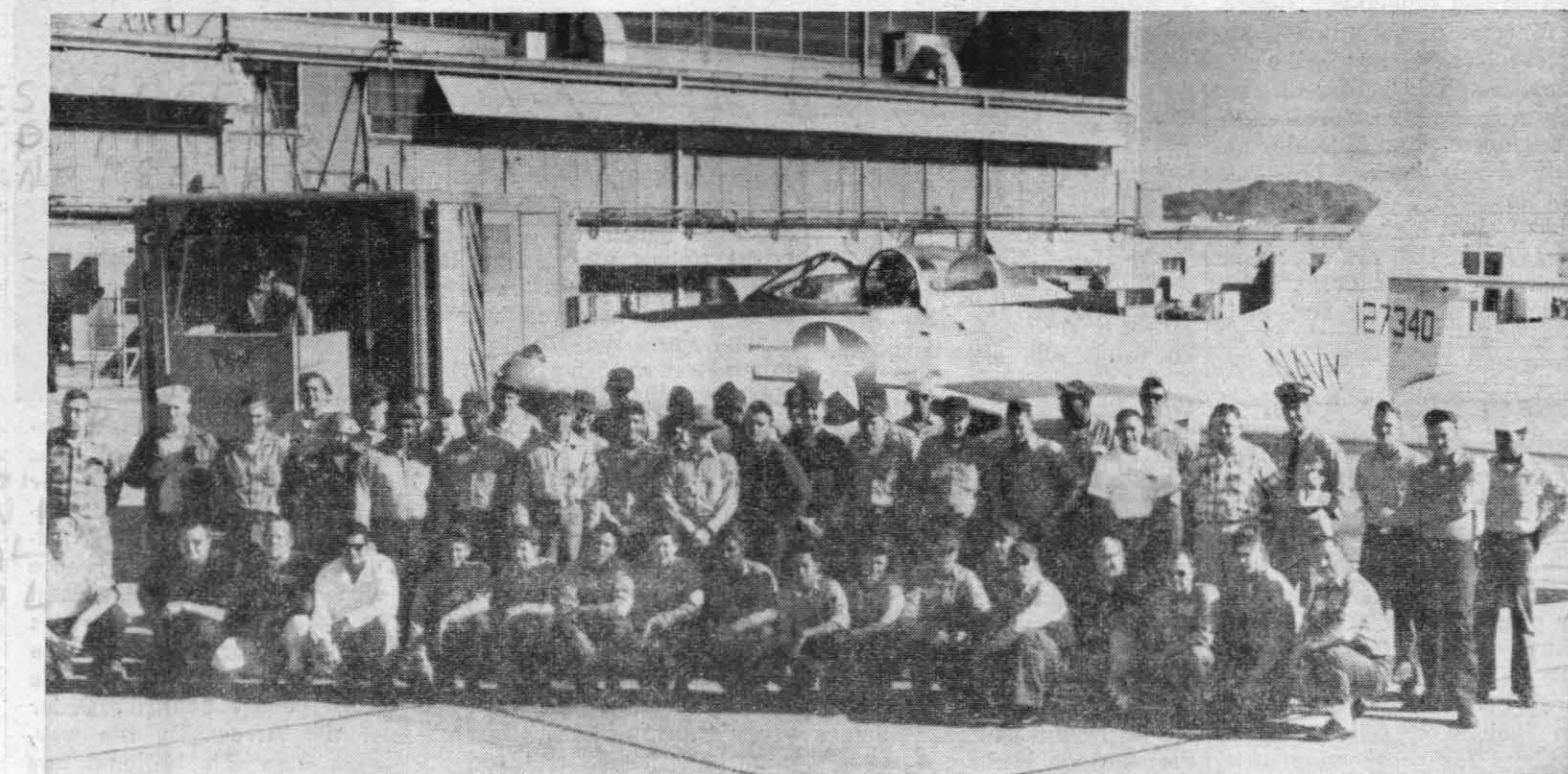


PHOTO CREDITS — Aerial photos by Floyd Pickrell and Sam Wyatt, AOD Photo Lab. All others by Seth Rossman, PH3, Rocketeer staff.

Look Forward to Controlling More Than Two Targets

(Continued from Page 4)

element in a successful test. As a result of the local unit's achievements, the flight controller is now able to maintain control over the flight of two target drones, providing dual target presentation for test and evaluation of missile development here.

"We're right now at the end-of-the-beginning stage," reports Miner, adding that his concept must acquire many refinements in the months ahead.

Not All Fatal

Contrary to widespread belief, a target drone is not meant to be shot down in every test flight, he explained. Inadequate guidance or faulty sensing devices frequently cause drone target destruction.

"In most instances, the missile being fired has much greater value than the drone target it destroys."

"That's the personality of weapons research and development — and the purpose of our being here," he notes philosophically.

The highest number of "missions" ever flown by a QF9G drone at China Lake is 12. Men engaged in maintaining the target units design symbols to paint on the sides of their drones, denoting "missions flown," "hit-but-returned" and other unusual flight characteristics.

Spirit Reflected

This spirit, according to Miner, reflects the intensity of interest his men have in their work here, "and probably accounts to a large degree to the success of our dual target presentation project."

Unlike the static "Redbird" symbol attached to the Drone Division as a nick-name, today's crews working at NAF are swiftly "on the move" with a new target in sharp focus: flights of three targets under televised control!

All because it has now become a challenging way of life for them here at China Lake.

Combined Effort

As is the case in most major achievements here at NOTS, the dual drone flight scored by the NAF Drone Division, serves as an outstanding example of joint effort.

The greatest source of pride is that expressed by Captain Robert R. Yount, Commanding Officer, Naval Air Facility, "in the outstanding officers and enlisted men engaged in our continuing programs involving drone operations."

"In addition, the latest achievement serves us as a stirring tribute to all the NOTS personnel — military and civilian — who contributed their technical knowledge and resources to this success."

The technical force includes, "as my number one advisor," Harry L. Myers, Head, Target Instrumentation and Evaluation Branch, Cdr. Miner said.

Others participating in the dual target presentation include: Henry Wair, Gordon Doyel, Robert C. Burks, Frank H. Greedy, D. Neil, Wilbur C. Pritchett, Oliver C. Norris, Richard P. Lansdowne, Gary W. Evans, Woodrow Chartier, Henry M. Purcell, and Ivan Goff.

Range Instrumentation Personnel included Lyle M. Johnson, Don W. Stanton, Randall W. Morris, Glenn O. Gallaher, M. P. Kratz, Ochs Hardin and Ken J. Davis.