

O. E. Miller Wins New Mustang At Navy Relief Fund Carnival



WINS NEW MUSTANG — Public Works employee Orville E. Miller was the winner of a new Mustang, the Navy Relief first prize. He is seen receiving the keys to his new car from Capt. John I. Hardy, ComNOTS.

Life took on new meaning Saturday night for NOTS employee Orville E. Miller when it was announced that he was the winner of the 1966 Mustang, the Navy Relief first prize this year.

NOT PRESENT
Miller, who wasn't even present at the drawing, had to be called to the telephone in order to get the good news. "At first I just couldn't believe it," Miller said, "but after a while they finally convinced me. I will say this, we're very happy about the whole thing."

He went on to say that after they finally convinced him he felt pretty generous and gave his 1961 Chevy station wagon to his wife.

CPO WINS TV
The second prize, a color television set, went to Chief Petty Officer Joseph M. Strichak of NAF. Strichak, a bachelor, will undoubtedly be the envy of his buddies.

According to Navy Relief spokesmen the Saturday night carnival was a big success, thanks to the many organiza-

tions and individuals that donated their time and efforts. Thanks also were extended to the three musical groups, The Shades of Youth, the Californians, and The Four Dimensions who provided continuous music throughout the affair.

Gem Faceting To Be Subject Of Club Meet

Gem Faceting for Amateurs and Beginners will be the subject of the Indian Wells Gem and Mineral Society meeting tonight. Al Cles, this year's Show Chairman will give a comprehensive talk and demonstration on the various phases of gem faceting.

Members and non-members are invited. There will be a short meeting with refreshments following. The event will start at 7:30 at the Rowe Street School building hut at the corner of Rowe and Langley Street. There is no charge.

SHOWBOAT

FRIDAY JUNE 24
"THE ALPHABET MURDERS" (91 Min.)
Tony Randall, Anita Ekberg, Robert Morley
7:30 p.m.
(Mystery/Comedy) Apollonia Christie story has famous detective Hercule Poirot solving drowning and poison dart murders somehow tied in with alphabet letters. Action, serie going on and pretty Anita. Simple as ABC. (Adults, youth, mature children.)
Shorts: "Heavenly Pass" (7 Min.)
"Pete's Place" (10 Min.)

SATURDAY MATINEE JUNE 25
"MAGIC SWORD" (80 Min.)
Gary Lockwood
1 p.m.
Shorts: "Sweet Dreams" (7 Min.)
"Radar Men, Chap. No. 3" (13 Min.)

EVENING
"HOUND DOG MAN" (87 Min.)
Fabian, Carol Lynley, Stuart Whitman
7:30 p.m.
(Drama) A couple of teenagers who idolize a local loafer and prominent Rameo find out there's more than huntin' and fishin'—there's GIRLS! Here's a simple back country story as pleasant as spring with a song or two. (Adults, mature youth.)
Shorts: "Homeless Home" (7 Min.)
"Rodeo Roundup" (10 Min.)

SUNDAY-MONDAY JUNE 26-27
"2ND FIDDLE TO A STEEL GUITAR" (107 Min.)
Arnold Stang, Homer & Jethro and 30 Country Song Stars
7:30 p.m.

(Country Music) Society matron's opera company fails to show, so down-country husband saves the day with Operie instead of Opera. Leo Gorcey and Hutz Hall mix it up with over 30 of the very best country music stars. Fun galore. (Adults, youth, mature children.)
Short: "Wild About Harry" (7 Min.) (Roadrunner)

TUESDAY-WEDNESDAY JUNE 28-29
"THE SPY WHO CAME IN FROM THE COLD" (112 Min.)
Richard Burton, Claire Bloom
7:30 p.m.

(Drama) Cold war espionage thriller has a British Agent assigned to get a German counter-spy chief by intrigue within the party. Romance with a pretty Communist complicates his problems in this unusual tale. Suspenseful. (Adult, mature youth.)

THURSDAY-FRIDAY JUNE 30, JULY 1
"FRANKIE & JOHNNY" (87 Min.)
Elvis Presley, Donna Douglas
7:30 p.m.

(Musical) Elvis works on a riverboat and gambles his salary away until he falls for a co-worker, but an old flame shows up, and trouble brews. Lush dance numbers and solid songs make this an expensive production. (Adults, youth, children.)
Shorts: "Bully For Pink (Pink Panther)" (7 Min.)
"Ski Boom" (9 Min.)

STATION LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

- Fiction**
Boland—The Catch.
Carroll—The Road Grows Strange.
Clavell—Tai-pan.
Holt—Manfrey in the Morning.
Van Vogt—The Winged Man.
Chinn—"Marcus."
Marric—"Gideon's Badge."
Lott—"Backtrack."
Underwood—"Anxious Conspirator."
Non-Fiction
Brown—The Worlds of Robert A. Sherwood.
Enthoven—The Stitches of Creative Embroidery.
Marshall—Beyond Our Selves.
Nader—Unsafe At Any Speed.
Toliver—Fighter Aces.
Baker—"All Things Considered."
Burrowes—"Your Future in the Navy."
Longford—"Queen Victoria."
Miracle—"Sportsman's Camping Guide."
Richardson—"Painting in America."
Roth—"Pathway in the Sky."
Samson—"The Mind Builder."
Silva—"Lifesaving and Water Safety Today."

PHYSICALLY FIT?
Seen in the latest copy of Around The Scuttlebutt: "This office requires no physical fitness program. Everyone gets plenty of exercise jumping to conclusions, flying off the handle, running down the boss, knifing friends in the back, dodging responsibilities, polishing the apple and pushing their luck."



AFTER 21 YEARS, GOODBYE — Charles A. Moore, SCH, receives the traditional flag from LCdr. Fredrick H. Elliott, CO, Enlisted Personnel at his retirement ceremony. Capt. Leon Grabowsky, Executive Officer, also extended his congratulations. Moore, who has completed 21 years of active service, plans to return to his home town, Elizabethtown, Kentucky.



AWARD IN MATERIAL DIV. — Receiving a Group Superior Achievement Award from Capt. P. W. Jeffrey for exceptional work are (l-r) Frank Ptacnik, Charles Jackson, Marvin Cornelius and Jay Harrington, Material Div.



TECHNICAL DIV. SCORES — Work well done by (l-r) Samuel Martinez, Dorothy Ferguson, James Poore and Dominick Reale earned them a Group Superior Achievement Award, given by Capt. P. W. Jeffrey, Director of Supply.

From _____
TO _____
PLACE STAMP HERE

Glass Sphere to be Featured By Novel Deep Submersible

Dr. W. B. McLean Leads Workers In Dual Project

In these times of unusual combinations of people, places and purposes, it should not be surprising that in the midst of the sands of the Mojave Desert, scientists are in the lead of efforts to open up the last great geographical frontier on earth — the unknown depths of the seas.

The latest innovation in the series of strange - looking undersea craft that have appeared mostly in the last four years is the creation of Dr. William B. McLean, NOTS Technical Director, and colleagues. His glass bubble concept for the protective and life - supporting enclosure for a submarine is a radical departure from the heavy, multi-jointed, and view-restricting metal submersibles that have carried the burden of search and research so far.

Glass Is Tough
The focus of the radically new submersibles in planning at China Lake is a material usually thought to be brittle or, at least, much weaker than commonly used metals.

But research conducted from March of 1964 by two top Navy scientists showed that increasing pressures on a glass sphere made the glass itself increasingly tough — in fact, much tougher than steel.

H. A. Perry of the U. S. Naval Ordnance Laboratory in Washington, D.C., published a paper called "Feasibility of Transparent Hulls for Deep-Running Vehicles" in 1963. Then he and Dr. John P. Craven, chief scientist of the Special Project Office, conducted tests with glass spheres from on board the USNS Gillis over the Puerto Rico trench off San Juan.

Blasts Don't Damage
The spheres were subjected to the explosions of pentolite charges at as deep as 7,200 feet, with the charge only 20 feet away, without cracking. In this case, the concussion hit the sphere with a force of over 13,000 pounds per square inch.

Actually, two separate projects are being conducted here to build twin - hulled, catamaran - type submersibles using the glass sphere cockpit. One is being undertaken by Dr. McLean on his own time and with his own private funds, which he envisions as an eventual private pleasure craft. It would be sold commercially and would serve to introduce to a wide section of the public the absorbing interests to be found beneath the sea's surface.

The Station's project is led by Donald K. Moore, head of Code 40's Astrometrics Division; Larry McKinley, Project Engineer; and supporting engineers and technicians of the division's Structures and Materials Branch, headed by Mike Sanitate.

ROCKETEER
FROM UNDER THE SEA TO THE STARS
Vol. XXI, No. 25 Naval Ordnance Test Station, China Lake, California Fri., June 24, 1966

TEMPERATURES		
	Max.	Min.
June 17	98	63
June 18	99	63
June 19	99	67
June 20	100	67
June 21	96	68
June 22	93	65
June 23	95	56



READY TO DIVE — In plastic version of glass cockpit for submersible, Dr. W. B. McLean, NOTS Technical Director (with camera), and Ron Cohn, a Junior Professional mechanical engineer, are ready to make demonstration dive in deep end of Station swimming pool. Steadying the cockpit before moving it into place for descent (l-r) are Bob Flood, a project technician, and Al McKinley, project engineer. The glass has been tested at over 7,200 feet.

Rocketeer Wins Second Place In Annual Contest

The Rocketeer was named "Second Best Sea Services Publication" for 1965 by the Armed Forces Writers League. First place went to the Camp Pendleton "Scout." Over 500 newspapers were entered in the annual contest, ranging in distance from Iwakuni, Japan to Pensacola, Florida.

The 20 papers to make it to the final judging stage had all won three or more awards during the calendar year.

Third place went to the "Tester," NAS Patuxent River, and fourth to the "Boot," Marine Corps Recruit Depot, Parris Island.



CHECKING OVER THE PLAN—The new 1966 board members of the United Fund Drive are shown going over the schedule of the coming drive. Left to right are: Linn Powers, Danny Dandurand and John Finazzo.

(Continued on Page 5)

CROSSWORD PUZZLE

- ACROSS**
1-High mountain
4-Speed
9-Suffix: ad-herent of
12-Ventilate
13-Wing-shaped
14-Born
15-Female ruff
16-Fiber plant
17-Large truck
18-Vigor
20-Adhesive substance
22-At a distance
24-Crony (colloq.)
25-Actual being
28-Deface
29-Chicken
30-Man's name
31-Citrus fruit (pl.)
33-Forgive
34-Man's name
35-Be ill
36-Tibetan gazelle
38-Approach
39-Nahoor sheep
40-Workman
41-Trials
43-Consume
44-Pair
46-Tail structure
48-Doctrine
51-'e mistaken
52-Fragrant oleoresin
53-New Deal agency (abbr.)
54-A state (abbr.)
55-Brief
56-Short sleep
- DOWN**
1-Swiss river
2-Falsehood
3-Liars
4-Damage
5-A state (abbr.)

Answer to Previous Puzzle

S	O	W	S	M	E	S	S	M	A	T
A	W	O	L	I	R	O	N	A	R	E
G	L	O	O	M	S	T	O	P	P	E
D	E	A	R	W	A	L	L	S		
S	A	M	W	E	L	T	C	E		
A	L	A	S	M	A	T	I	N	E	C
M	A	N	U	F	A	C	T	U	R	E
B	E	N	E	F	E	D	E	N	S	E
O	F	E	D	E	N	S	E	S		
U	P	P	E	R	E	R	E	S		
P	E	E	R	A	G	E	W	A	I	S
A	A	R	T	E	R	N	L	E	R	
S	T	A	T	E	N	A	L	T	R	A

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54				55				56			

Two Heroes Honored At NAF

Mares and Chavez Receive Medals For Heroic Acts

LCdr. Ernest Mares received the Navy Commendation Medal last week for heroic action as a pilot over North Vietnam. The citation reads as follows: "For heroic achievement in aerial flight as pilot of a light jet attack aircraft while attached to and serving with Attack Squadron One Hundred Fifty-

Five embarked in USS Coral Sea (CVA 43) on 7 October 1965. Lieutenant Commander Mares participated in a coordinated two-carrier strike against the Vu Chau Railroad Bridge, North Vietnam.

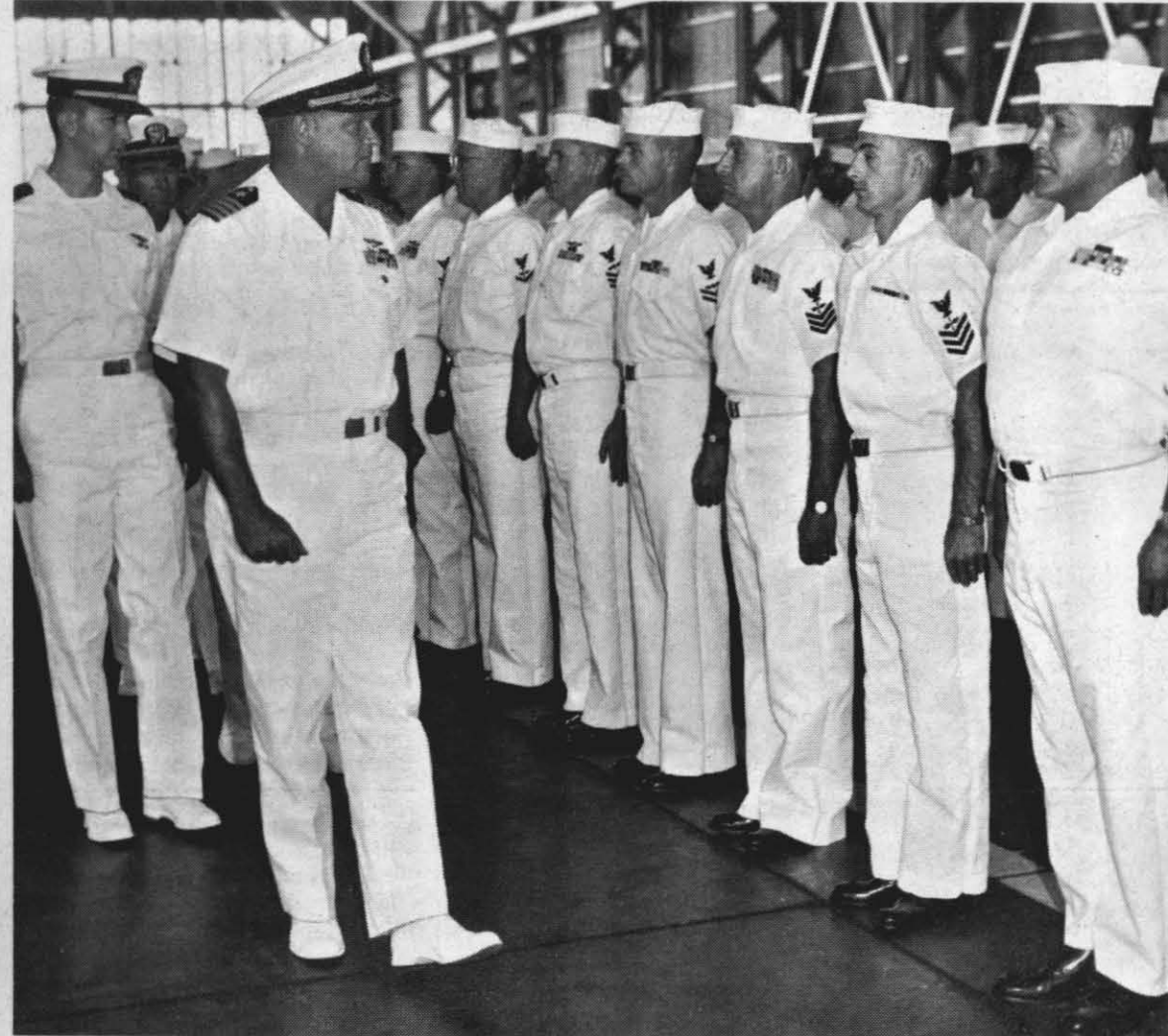
"Despite anti-aircraft fire en route, and the launching of surface-to-air missiles against his strike group, he penetrated to the target and pressed home a determined dive bombing attack which inflicted substantial damage on his target.

"LCdr. Mares then effected a rendezvous and retirement under the continuing threat of surface-to-air missiles and enemy fighters. His cool and professional performance in the face of formidable enemy resistance contributed materially to the success of this vital mission. His heroic conduct throughout was in keeping with the highest traditions of the United States Naval Service."

RUDOLPH CHAVEZ
Rudolph Chavez AN, at NAF received the Navy and Marine



LCDR. MARES DECORATED — Capt. Robert R. Yount, Commanding Officer of NAF presents the Navy Commendation Medal for heroic action to LCdr. Ernest Mares during a recent ceremony honoring the occasion.



CAPTAIN'S INSPECTION — Following the awards presentation Friday, June 10, an inspection of NAF personnel was held by Capt. Robert R. Yount, NAF Commander.

Corps Medal for heroism last week for saving the life of a fellow serviceman. The citation reads as follows:

"For heroism while serving at the U.S. Naval Air Facility, China Lake, California on 3 December 1965. As a result of an accident, the driver of the automobile in which Chavez was a passenger, was pinned in the flaming wreckage.

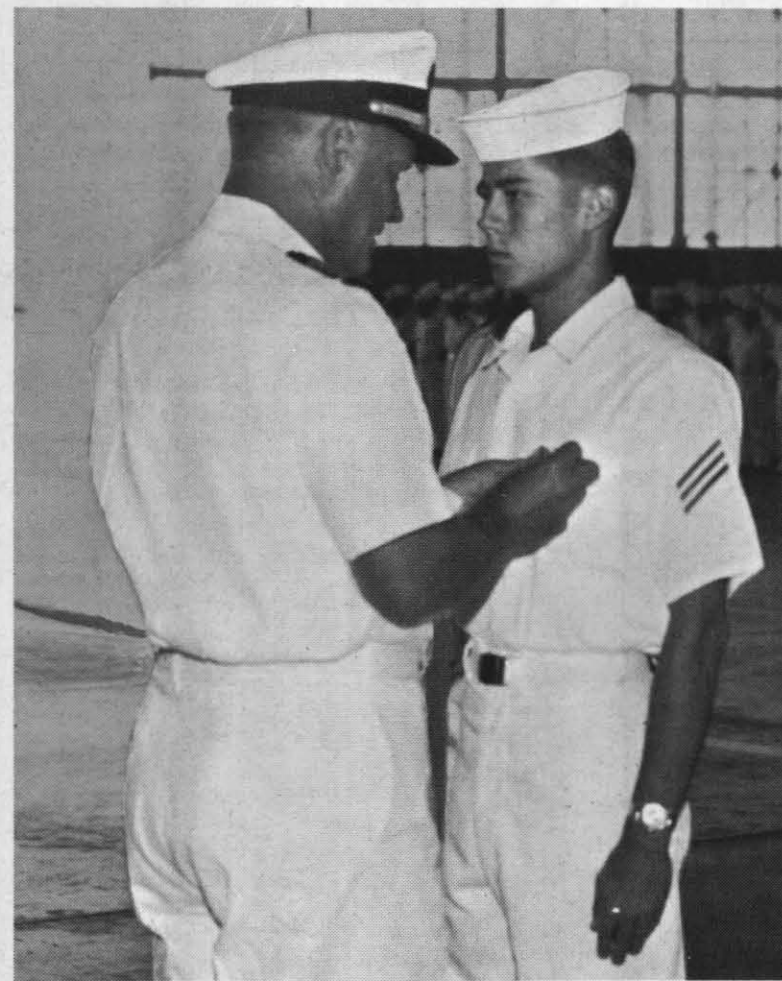
"With complete disregard for his own safety and fully aware of the personal danger involved, Chavez, although injured, unhesitatingly proceeded

ed to extricate his fellow serviceman from this flaming and dangerous situation.

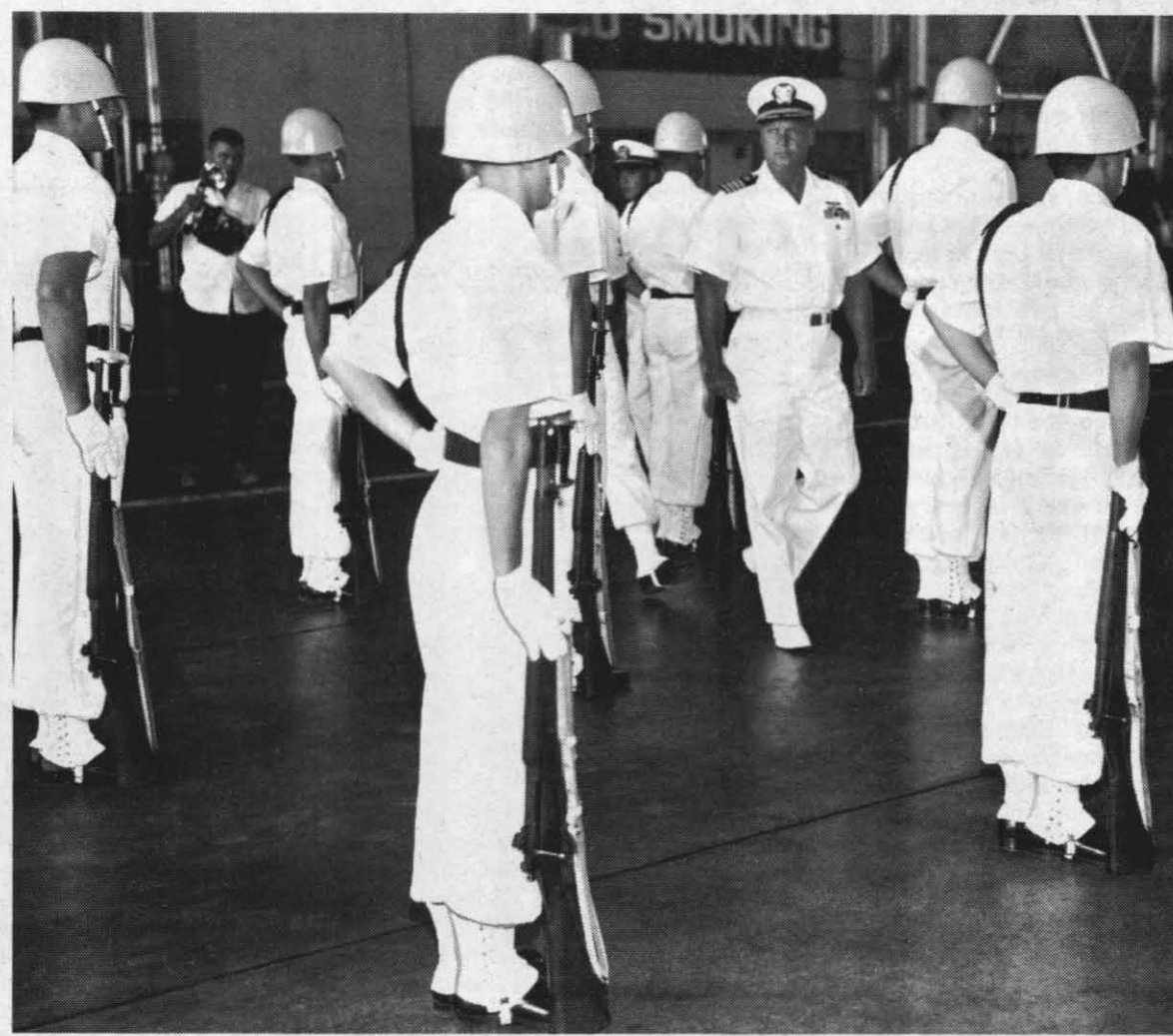
"His courageous action in the face of great personal risk undoubtedly prevented death or very serious injury to the driver and was in keeping with the highest traditions of the United States Naval Service."

Following the presentations, Capt. Robert R. Yount, NAF Commanding Officer held an inspection of the Naval Air Facility personnel.

PHOTOGRAPHS BY ROBERT HANCOCK PH2



LIFESAVING MERITS MEDAL — Pulling a man from the flaming wreckage of an automobile results in the presentation of the Navy and Marine Corps Medal to Airman Rudolph Chavez by Capt. Robert R. Yount, CO NAF.



LOOKING SHARP — The NAF Drill Team Yount, NAF Commanding Officer following the awards presentation, June 10.

'Bluejacket' from NAF Is Civic-Minded Man

Bill Lane Elder, ATN-2, an avid worker with things electronic on and off his job at NAF, has been chosen Bluejacket of the Month for June. A man of varied interests and a leader in the Navy community here, he and his wife Bette will represent NOTS in Bakersfield on the weekend of July 8-10 as guests of the Greater Bakersfield Chamber of Commerce.

Bill, a native Oklahoman, began his Navy career in 1953, after his graduation from high school in Tulsa. There, he had concentrated in the school's machine shop while working a full evening shift in a Tulsa commercial shop in his senior year and after.

Bette Elder, a Kansan from Wichita, met her future husband during a three-year break in service when he worked with commercial aircraft. They found a common interest in politics, and engaged in conventions and election activities.

"We still keep in touch with things back home," he says, "and we like to follow events wherever we are." He explains that Bette's interest grew dur-

ing the two years she worked as a legal stenographer in a county attorney's office in Tulsa.

Both the Elders are active in China Lake groups. Bette is vice-president of the Navy Wife's Club, and Bill serves on the board of the Acey-Ducey Club. They occasionally enjoy fishing trips nearby, though Bill's favorite stream is in the rugged mountains near Phoenix, Arizona.

Bill Elder has been an aviation electronics technician for a year, and previously served as an ordnanceman. He has attended both the Naval Air Technical Training Center in Memphis, where he joined the Fleet Reserves, and the Aviation Ordnance school in Jacksonville during his first tour with the Navy. At NAF he works with maintenance of navigational gear and with civilian vehicle radio systems.

The Elders will drive to Bakersfield on Friday, July 8, to be honored guests of the city for the weekend. They will stay at the Holiday Inn, and drive a new car for the occasion from the Haberfelde Ford agency.



PULSE FIRING—Five-pulse solid propellant rocket motor fires successfully at Lockheed Propulsion Company's Redlands, Calif., proving ground in test conducted for NOTS. The energy controlled motor was developed to demonstrate feasibility of pulsed rockets for use in an air-launched Navy weapons

system. Before firing, the motor underwent severe environmental conditions, including temperature cycling between extremes of minus 65 degrees Fahrenheit and plus 165 degrees, and vibration along both longitudinal and lateral axes.

— Photo by Lockheed

Submersible Uses All-Glass Cockpit

(Continued from Page 1)

miniature, lima bean-shaped, unmanned submersible conceived by him and tested last November. (See Rocketeer cover of Nov. 19, 1965).

The propeller consists of a number of variable-pitch parallel paddles revolving in a cylindrical pattern. It is able to change thrust direction through a full 360 degrees with a simple change in blade pitch.

The catamaran-type hull was chosen for its stable surface characteristics, as the submersible is to be operated from surface to the depths and back again without the need for support vessels.

Four Ascent Tanks
The hulls will contain four sealed "ascent tanks" at their ends, and two divided "floatation tanks" midships in the hulls and open to the sea when submerged. Batteries for submerged power will also be carried in the hulls. Approximately 200 pounds ballast will be releasable for quick or emergency ascent.

Normal ascent is to be accomplished by releasing a small amount of gas into the ascent tanks, which will increase in volume as the craft rises. In case the craft should lose its battery power or become hopelessly entangled at the bottom, the sphere can be released from the rest of the vessel, to float up by itself.

Controls Similar
Controls for the operator would be similar to those developed in recent and more conventional submersibles, such as Deep Jeep, but would be linked to the rest of the craft by light, beamed through the sphere itself. This would preserve its structural integrity and strength. Experience with Deep Jeep and Moray has provided infor-

mation for the life-support system design for the new craft. The system must maintain oxygen and carbon dioxide percentages within close tolerances. There are to be gauges and perhaps an audible warning system to monitor the environment. A de-fogging chemical may be applied to the inside of the sphere, with help from a system which can be turned on to control moisture inside during periods when clear visibility is necessary.

The submersible is to be able to take researchers down for comfortable periods of up to eight hours, with a maximum life-supporting time of 24 hours.

The most obvious advantage of the glass sphere promises to give aquanaut-scientists—and also, perhaps, the underwater aficionado—is an unequalled, nearly, 360-degree view of the deep surroundings, a view never before available.

Completion Date Set
Completion of the mock-up fabrication is to be August 1 and the craft is to be in the water by September 1.

Not only would an operational submersible using the glass sphere cockpit greatly extend the capability of researchers by extending both their range and their visibility, but it could give a tremendous boost to the growing national desire to make the sea—at long last—another habitat and ready resource for man.

SIDEWINDER
The United States Navy developed the world's first combat-proven air-to-air missile in its own laboratories. This missile is the heat-seeking Sidewinder conceived, developed and initially produced by the Naval Ordnance Test Station, China Lake, California.—NAV-NEWS.



BLUEJACKET'S HOMEWORK — Bill Elder and his wife Bette churn through paperwork for the Acey Ducey Club in their home at 322 Toro. Bill serves on the club's board of directors, and Bette is vice-president of the

Acey Ducey Wives Club. Both keep up on civic and political affairs, and were active in local politics in Tulsa, Oklahoma between Bill's tours of Navy service. — Photo by Robert Hancock PH2

Ens. R. W. Hardy Bound for Sea Duty

The guided missile frigate USS King, DLG-10, home-ported in San Diego, will be the first ship for Ens. Randall Hardy, son of Capt. and Mrs. John I. Hardy, come July when the new naval officer is to report from guided missile schooling at Mare Island.

Ens. Hardy was one of 868 graduates from the U.S. Naval Academy June 8, and stood 27th in his class. He graduated With Distinction, majoring in political science. The graduating category includes the top 10 percent of the class. This year's graduating class

included 763 men bound for Navy service, 79 for the Marines, and four foreign students, according to Capt. Hardy, who attended the ceremonies. He observed that the class was about double that of 20 years ago, reflecting the increased size of today's Navy. More than 4,000 midshipmen studied at Annapolis this year.

Ens. Hardy managed the varsity wrestling team at Annapolis, participated in intramural soccer and softball, and was a member of the Public Relations Club.



Ens. R. W. Hardy

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

Tigers Clawing To Stay On Top

BY DAN MOORE

The Paper Tigers of the NOTS summer bowling league maintain a slim one game lead over second place Shrikers who in turn are being buzzed by the high flying UFO's.

AstroNOTS and Jacks and Better trail the leaders in a close 4th and 5th place as the summer league completes the 8th week of play.

High scores are as follows: team series, Shrikers, 2435; team game, Jacks and Better, 822; men's high series, Lyle Emerick, 663; women's high series, Deanna Bingham, 616; men's high game, Jack Springer, 245; and women's high game, Pat Preston, 221.

In Memoriam

Friends and associates of former NOTS employee Alan R. Irvine were saddened by news of his death on June 14th. Services were held June 17th with interment at Rose Hills Cemetery, Whittier.

Al retired on disability in September 1964 from his position as Industrial Property Officer in Supply Department's Purchase Division.

Al began his NOTS career at China Lake in October 1948 and transferred to Pasadena in July 1949. He had served two periods in the Navy from 1923-1927 and 1942-1944.

He is survived by his wife, Ireta, who works in the Contract Administration Branch of the Purchase Division, and a 15-year-old son, Malcolm Alan.

PROMOTIONAL OPPORTUNITIES

To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-58 must be submitted when applying.

Engineer (Mechanical, Aerospace, or General), GS-9 or GS-11 (1 vacancy), Code P5514 — The incumbent works in support of countermeasure programs related to aircraft and ships, and must be willing to travel frequently. Position involves coordination with industrial firms and participation in a variety of field operations. Experience with infrared and with aircraft desirable. Own transportation required on a mileage reimbursable basis except when Navy vehicle available.

Engineering Technician, GS-11, Code P5514 — Incumbent will be involved in Configuration Control Engineering problems relative to the MK 46 Torpedo. Required to prepare internal and external procedures and instructions; various periodic reports; set up and supply information needed in computer programming.

Mathematician, GS-12, Code P8043 — Mathematical design and computer implementation design of underwater weapon system simulation models. Computer analysis of experimental acoustic data. Minimum of three years professional work including analysis and programming of digital computer systems. Bachelor's degree or equivalent in mathematics or in physics or engineering required.

Engineering Technician, GS-11, PD No. 9P80015, Code P8084 — Responsible for manpower and test scheduling for all Range Branch tests. Supervises control center, and coordinates procurement of range test services. Serves as range project engineer for specified tests.



LT. W. R. WATKINS, Long Beach Sea Range Officer, bids farewell to R. J. Lemke, BMI, retiring from his naval career.

Lemke Retires After 19 Years

Raymond J. Lemke, BMI, USN, is retiring after more than 19 years of naval service.

Before reporting to NOTS in March, 1962, he served on the USS Hector (AR-7), US Blockade Escort (CTF-95), USS Worcester (CL-144), and the USS Maddox (DD-731) among others.

Lemke received a commendation letter from Captain G. H. Lowe, Officer in Charge, in

appreciation for his loyalty, devotion, and performance of duty, while serving as Petty Officer in charge of NOTS YFU-44.

He plans to return to his home state of Minnesota in the future.

Goal Surpassed

During the current Navy Relief Drive a goal in the amount of \$329 was established for NOTS, Pasadena, including Long Beach Sea Range and San Clemente Island. A final total of \$580 was solicited for the 1966 Navy Relief Drive through the sale of tickets.

In a letter from Captain G. H. Lowe, Officer in Charge, NOTS Pasadena, all personnel involved were praised for this outstanding accomplishment, and the willingness of these personnel "To help the Navy help its own."

Rocket Action

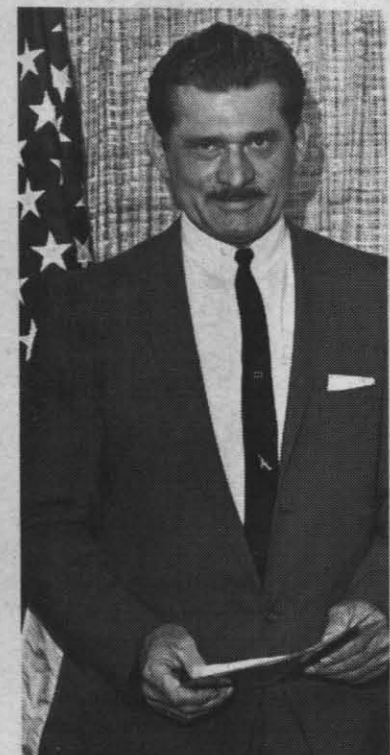
BY BEN LONG
NOTS Rockets defeated Gup-till Co. 21-6 on June 10th, to bring their season record to 3 wins, 2 losses. The slo-pitch softball team played practice games with Dan Beckers and the Podres on June 17th and 22nd respectively.

Tonight's league game is with L. A. County Roads at Wright Field.



LENGTH OF SERVICE PINS are awarded to (l-r) Shelby Sullivan and Art Kuhn, P8089 employees having completed 10 years with NOTS; and Dave Hullberg, P8083, 5 years service with the Naval Ordnance Test Station.

Recognition Awarded P808 Personnel



FRANK STRAHALM in the Photo-Optical Section, is rewarded for top job performance with a Quality Step Increase.



QUALITY STEP INCREASE and Outstanding Performance Rating is awarded to Howard Talkington, Advance Systems Branch Head.



SYSTEMS OPERATIONS DIVISION HEAD, D. A. Kunz, reads letter awarding a Group Superior Achievement Award to recipients

(l-r) Norman Wyman, Arthur Backlund and Greydon Dodge. Wyman also received a 20-year pin for total federal service.

Security Offers Info For Touring Ranges

Now that summer's here, outdoor activities in the desert and mountains have pleasure and interest to offer valley residents and others. The varied terrain covered by NOTS ranges calls to the sightseer or aficionado of desert life and lore — but not all of it, says Sam R. McMullen, NOTS Security Officer.

"With the advent of warm weather," he explains in a recent note, "more and more requests for recreation passes are being received at the Police Division." He says that new regulations have been written to keep range visitors safe.

The new instruction provides a guide to interesting places on the ranges, as well as warning against dangerous roads and areas.

North Ranges

According to the instruction, the main route to the north ranges is the G-2 Tower Road, best reached by following the signs through the Ground Range Headquarters Area. It leads to the area of Wild Horse Mesa, Carricart Valley and scenic areas in the Argus Mountains. Attractions such as Devil's Kitchen, Coso Hot Springs and the petroglyphs near Haiwee Spring in the Coso Mountains can be reached only from Highway 6, turning east at Coso Junction, south of Little Lake.

The instruction warns, however, that side roads, trails and extensions of the main access roads are not usually maintained, and the wheeled sightseer needs to be especially cautious and skillful.

Scrap Ordnance

"It has not been practical to pick up all scrap ordnance fired on the ground ranges," says Lt. McMullen, by way of warning. "Rockets, missiles, uncased high explosive and artillery shells have been widely scattered. Areas known to contain extremely dangerous duds have been posted. Any ordnance material you may find is potentially dangerous, and handling or removal is prohibited."

He adds that such areas have been posted, and that the visitor must leave debris and duds strictly alone, as well as respect the restricted areas.

On the ground ranges, buildings and facilities are concentrated in the launching area, which is restricted. Between G-1 and G-2 Tower Roads there is a restricted area highly sown with duds. Downrange installations include remote control instrument stations.

Restrictions

Restricted areas around the SNORT and G-4 tracks include the installations, readily identified instrument stations and downrange installations as well as those at the track breaches.

Aircraft range building and instrument stations are mostly located on the flat desert floor along the western side of the valley. The buildings and target zone are restricted.

Open Areas

In general, the open areas of this wild desert area are found east of the tall wooden target towers in the center of the area's "waist." The headquarters area to their west is restricted, except for access to the Wash and Mojave "B" areas. The gun line, two target tower areas and the 50-foot rocket launcher are restricted.

As on the main NOTS ranges, this area contains widely scattered spent ordnance, including rockets, missiles, machine gun ammunition and artillery shells.

It is also posted, and parents are urged to be sure to caution their children not to handle interesting scraps and fragments.

Travelers there should know, says McMullen, that there are few blacktop roads in the area, so that travel through the ranges is not recommended. Parties must enter and leave through the Headquarters Gate.

Occasional washouts make the Panamint Valley Road to Ballarat and the roads south and east of Pilot Knob dangerous.

(Continued on Page 7)



KEY PEOPLE AT AOA MEET — 135 members and 25 guests attended a recent dinner meeting of the Los Angeles chapter of the American Ordnance Association held at the Commissioned Officers' Club. Left to right are: Capt. Atlee F. Clapp, ComNOTS Representative; Haskell G. Wilson,

Associate Technical Director; Norman L. Rumpp, China Lake AOA President; D. A. (Bud) Kunz, Guest Speaker; RADM. Mell A. Peterson, USN (Ret.), AOA Executive Director, Los Angeles Chapter, and RADM. H. O. Hauck USN (Ret.), a visitor.

— Photo by Robert Hancock PH2

Big Change-over Takes Place At Commissary Store

In order to assist the military and civilian patronage of the Commissary Store and Navy Exchange during the transition period prior to the opening of Von's Supermarket, the following information is submitted.

COMMISSARY STORE

The Commissary Store will cease its operation at its present site at 6 p.m. on July 15, and will open at its new temporary location, the large quonset hut south of the present store, adjacent to Richmond Road.

NAVY EXCHANGE RETAIL STORE

The Navy Exchange Retail Store will move the self-service department to the Outdoor Shop on July 15. The Navy Exchange Main Retail Store will close on July 26. As of July 28, the expanded Outdoor Shop will accommodate the currently retailed Exchange items.

VON'S SUPERMARKET

Von's Supermarket will open at the site of the present Commissary and Exchange Stores, located at Ben Plaza.

GENERAL

Civilian patronage of the Commissary Store and Navy Exchange Retail Store will terminate as of September 1. Military patronage will continue in the temporary buildings until the new facilities are completed. Civilian privileges at the Navy Exchange Service Station will end as of December 31. Other services, presently provided under Navy Exchange System, will be transferred to Employee Services Board operation, as feasible, during the latter part of this year.

Further information on the above change-over will be published in the Rocketeer for the benefit of all Station employees and residents of China Lake.

Luxuries are the things that make people go without necessities.



GETS THIRD STRIPE — Dr. Richard D. Collier, Assistant Dental Officer at NOTS has reason to smile. On June 15 he was presented with his new full commander boards by Capt. Leon Grabowsky, Executive Officer, and his wife Peggy. Dr. Collier reported to NOTS in August from the Light Cruiser USS Springfield, the Flag Ship for the 6th Fleet, which was berthed in France.



NOTS HOSTS RESERVE OFFICERS — Members of the Naval Reserve Intelligence Division 11-1 from San Diego spent a day recently being oriented on the functions performed at

NOTS. The day started with the presentation, "Highlights of NOTS Technical Programs," and continued into discussions concerning various weapons tested here.

