

Johnny to Read - in Five Languages, Yet

Burroughs High Speeds Up Foreign Language Studies

A record high of 358 enrollees in foreign language classes at Burroughs High School, out of a student body of nearly 1000, is a monument to the activated interest sparked by the recent installation of a new Language Laboratory. This figure is double the normal enrollment and it is expected to be exceeded next year.

According to Burroughs High School principal Kenneth W. Westcott, less than 5 percent of the high schools in California have this equipment, but the percentage is rising fast. The Language Lab has been under consideration for two years and went into full operation January 4. The installation further establishes the progressive curriculum offered by the local high school.

Four foreign languages are offered under the new system: Matthew Weightman teaches 58 students first year French, and 59 second year French; Mary J. Campion teaches 37 first year Latin, 20 second year Latin, and 102 first year Spanish; and Frank Grober teaches 82 first year German.

The Language Lab consists of 35 booths which are equipped with microphones and earphones electronically connected to a control panel manned by the instructor.

Depending on the assignment, students may tune in on individual

instructions from the teacher or receive recorded instructions by native linguists. The procedure may be reversed allowing the teacher to record, test, and play back the student's performance.

The method accelerates conversational skills through ear and speech training. This allows the student more time in speaking the language and less in reading and writing, especially during the first year.

Three of the 35 booths are equipped with tape recording devices for additional analysis of a student's performance. The use of text books is optional depending on individual teachers.

Language laboratories were started as an experiment in high schools five years ago, and the results indicate that they are here to stay. The upward trend in foreign language enrollments locally will necessitate an additional full time teacher next year, according to Mr. Westcott.



CONTROL PANEL—A student pinch hits for teacher in a demonstration of the mechanics of the control panel. The central switchboard permits communication between teacher and individual student stations.



LANGUAGE LAB FLEXIBILITY—Partitions forming booths are adjustable depending on the type of assignment students have been given. Background shows panels collapsed for open instruction. Background shows raised panels for individual assignments blocking out noise and distractions.

Death Valley '49ers Add 5 Men to Board

Five new members were added to the Death Valley '49ers Board of Directors at the Trona meeting which followed the '49ers recent tour of the Station.

Two of the new members, Harold Thrig of Altadena and Paul Young, San Bernardino County Board of Supervisors chairman, participated in the Station tour.

The other three new members of the board are: Ed Ainsworth, Los Angeles Times columnist; Bill Bender of Arroyo Grande, noted Southwest artist; and Leo Moore, Culver City photographer.

Willis Vore, Associate Head of NOTS Test Department, spoke to the Board at its Trona meeting on "Conservation of Renewable Natural Resources Program at China Lake."

He assured the conservation-minded '49ers that the Navy constantly seeks to avoid damaging areas of natural beauty, flora or fauna during rocket tests.

Long range plans for accomplishments of the Death Valley '49ers mission of publicizing and conserving the unusual assets of Death Valley was discussed by the Board.

Murray Jr. High Expands Language Teaching Methods

When school bells beckoned 7th and 8th grade pupils back to school last fall, 237 of the 400 student body at Murray Junior High School enrolled in an augmented curriculum of language classes heretofore unknown in China Lake schools.

The year before, a French class consisting of 20 students in the 8th grade Honors Program was conducted as an experiment.

Statistics of last fall's enrollments show 85 students from both 7th and 8th grades enrolled in three Spanish classes taught by Carolyn Hockett; 64 in two French classes, and 35 in one Russian class taught by Vera Weightman; and 53 in two German classes taught by Louise Gegner.

In addition to conversation and textbooks, the enlarged curriculum employs four supplemental methods of teaching: (1) Dramatizing conversation through the use of puppets; (2) a visual method utilizing a flannel board where objects are seen and discussed; (3) an audio method through recordings of foreign conversation by natives followed by intonation drills by the students; and (4) the use of slides and films on the culture, art, music, geography, government, and history of foreign countries.

The new approach promotes enthusiasm in the classrooms and quickens the process of learning. It is the school's objective to offer two full years of language before students enter high school. As a result, first and second year language credits earned in Junior High will be honored at the high school level.

Although the program is a significant improvement over past methods of teaching foreign languages, the purchase of a modern language lab comparable to the one installed at Burroughs High this year is under consideration to supplement the program. It is the general consensus of opinion among educators that students at the elementary school age level have the greatest ease of attacking languages other than their own.

NOTS' ASROC Is Now Operational In Pacific Fleet

ASROC, the Station-developed anti-submarine rocket, has been installed aboard another guided missile frigate. Installation of the Navy's newest submarine killer was made by the Long Beach Naval Shipyard aboard the USS Preble (GLG-15) last week.

The Preble will join the Mahan and the King. ASROC became operational while the Mahan was operating off the California coast.

In commenting on the successful firing, Radm. Robert T. S. Keith, Commander of the Pacific Fleet's cruiser-destroyer force, termed ASROC as an important step in solving the problems confronting destroyers in combating submarines.

With ASROC, destroyers no longer must close within a few hundred yards of an enemy submarine before launching an attack.

Also scheduled for an ASROC installation by the Long Beach Naval Shipyard is the USS Shelton (DD-7902). She is scheduled for completion by the end of June.

Installation of ASROC aboard the Preble is a "first" not only for the Long Beach Yard but for any of the west coast naval activities.

TEMPERATURES	Max.	Min.
Posthumous charities are the very essence of selfishness, when bequeathed by those who, when alive, would part with nothing.—Colton.	Jan. 27 — 61 37	Jan. 28 — 59 38
	Jan. 29 — 58 39	Jan. 30 — 59 35
	Jan. 31 — 52 32	Feb. 1 — 62 32
	Feb. 2 — 57 33	



AUDIO METHOD—Teacher Vera Weightman demonstrates the use of recording equipment and playback method as an aid to her French class pupils.



INTONATION DRILL—Hal Fernandez, Russian class student, tapes his voice on a pronunciation assignment to query: "Do you speak Russian?"



PUPPET DRAMATIZATION—Sharon Ayers and Richard Joyce enact a French conversation through the use of puppets Jacques and Suzanne.

Foreign Language Emphasis Serves National Purpose

The recent installation of a modern Language Laboratory at Burroughs High School and the introduction of foreign languages at Murray Junior High are a significant step toward helping overcome this country's definite weakness in foreign languages and will serve a national purpose by not only increasing communications between ourselves and other peoples but, also, by increasing understanding through knowing others' culture and heritage, an inevitable side effect of language study.

In his summary of 10 major issues facing this country, President Kennedy lists improving our Foreign Service.

"One of our great strategic deficiencies has been ignorance of foreign languages. In 1959, 70 percent of all new Foreign Service Officers had no language skills whatsoever. How can we understand other peoples, or help them understand us, if we can't understand their language?"

"We must be represented abroad by our best people, and they must know languages other than their own. And we must develop technicians needed to work with the peoples of undeveloped lands, outside normal diplomatic channels. By technicians I mean engineers, doctors, teachers, agricultural experts, specialists in law, labor, national finance, civil service.

"We must help the new countries rise to a level from which their people can laugh at Communism.

"I therefore propose formation of a 'peace corps' of talented young men willing to serve their country, as technicians, for three years as an alternative to peacetime selective service. They must be qualified through rigorous standards, and trained in the language, skills, and customs of the country where they will serve."



CRUSADERS—Supported by keymen, NOTS Command prepares to launch the annual Federal Services Joint Crusade next Friday, February 10. Shown in front row (l-r): Dr. A. G. Hoyem, Campaign Chairman; Capt. W. W. Hollister; John Sloan, CAKE representative, and H. G. Wilson. Second row: Bernice Reger, Irma Agnew, Lee Gerbrick, Ellen La Fortune, Harold Moore, Lt. (jg) H. G. Clay, Lt. Bill Reilly, USMC, Gerald Young and Harry Schmidt.

Third row: Phillip Sprankle, E. Whitaker, HM-1, Ens. Dale Edwards, Lt. (jg) R. E. Compton, Lt. A. L. Berthelson, Al Christman, Harry Williams, Lee Lakin, Harry Samons and Bob Kinstle. Indoctrination of keymen has been completed for the week-long drive.

ROCKETEER

BUDD GOIT, EDITOR PHONES 71354, 72082, 71655 OFFICE, HOUSING BLDG., TOP DECK

Vol. XVII, No. 5 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA Fri., Feb. 3, 1961

New Inventors Augment Station's Patent Roster

Fourteen names were added to the Station's inventors' roster last week as Capt. W. W. Hollister made formal presentations of patent awards; only six recipients were veteran contributors.

An asterisk denotes the new inventors.

Joining the NOTS Patent Division's "Who's Who in the Patents Field" are: David A. Colpitts* (Code 45) for Patent No. 2,960,935 covering an igniter comprising frangible capsules, alternately arranged, separately containing an oxidizer and a fuel hypergolic to the oxidizer.

Roy C. Compton* (Code 40) accepted Patent No. 2,957,574 for a novel method and apparatus for the continuous conveyance and peripheral coating of articles of finite length.

Leonard T. Jagiello* (Code 40) received Patent No. 2,935,947 for a three axis gyroscopic damping system. Used in Sidewinder IC, it controls pitching, yawing or rolling motions of an airborne vehicle.

Floyd A. Kinder* (Code 30) was awarded Patent No. 2,961,933 for an airborne cinetheodolite. Co-inventor E. E. Green* has terminated. It is a unitary airborne apparatus having a system of cameras for simultaneously photographing a ground marker system and a missile in flight. It is presently utilized by the Air Force at Wright Field.

Duane J. Russell* and Cyril D. Hansen* (both from Code 40) earned Patent No. 2,952,818 for an improved astable multivibrator. Used for switching large quantities of power between loads at regular intervals, it operates with a relatively small amount of control current.

Edwin G. Swann* (Code 40) received Patent No. 2,963,241 for an improved electrical gate phase discriminator which produces electrical quantities that determine the magnitude and sign of the phase angle of one signal with respect to other signals.

Nadim P. Totah* (Code 40) and Frank Fulton* (Code 45) were awarded Patent No. 2,954,246 for their method of forming improved high strength joints. This invention was used in the two-inch rocket motor.

Michael M. Kamimoto (Code 40) was presented Patent No. 2,952,207 for an improved system for controlling the roll, azimuthal, and elevational direction of missile movement through air.

Notices of Allowability Employees who perfected inventions of a classified nature which cannot be made available to the public by means of patent publication are as follows:

Lohr A. Burkhardt, William G. Finnegan (both from Code 50) and Rex L. Smith (Code 45) for con-

ceiving an auxiliary igniter and sustainer to be used in an internal star-perforation propellant grain.

John Pearson (Code 50), Robert G. S. Sewell*, and Richard T. Carlisle* from Code 40 were cited for their contribution of controlled fragmentation of multi-walled warheads. This fragmentation means is used extensively by the Army.

William A. Gey (Code 45) formulated a new slow burning composition which generates a clean gas and has good stability on long storage.

Rapee Patent Richard J. Zabelka* (on educational leave attending Purdue University) and Cecil A. Glass* (terminated) realized Patent No. 2,954,947 for the life-saving Rapee system; the aircraft ejection seat with a timing means for safely ejecting a pilot.

Keymen Appointed; New Charity Added To FSJC Campaign

The Arthritis and Rheumatism Foundation has been added to the seven health agencies previously designated in the local Federal Services Joint Crusade campaign. These health agencies, plus CARE, American-Korean Foundation, and Radio Free Europe Fund comprise the program.

Keymen appointed by Dr. A. G. Hoyem, Campaign Chairman, will begin the fund drive next Friday, continuing through February 17. Code representative keymen and their alternates (*) are:

Keymen	Code
Irma Agnew	00, 01, 11, 17
*Mildred Beck	
Richard Gray	12, 15
*Bernice Reger	
LCdr. L. H. Lippincott	14
*Ens. Dale Edwards	
LT. A. L. Berthelson	18
Ellen LaFortune	20
Lee Lakin	25
Lee Gerbrick	30
Phillip Sprankle	35
Harold I. Moore	40
Harry Williams	45
*Mary Jane Allison	
Robert Weakley	55
David Samons	56
Harry Schmidt	70
Albert Christman	75
Robert Kinstle	85
1st Lt. Wm. J. Reilly	86
E. Whitaker, HM-1	87, 88
Lt. (jg) R. E. Compton	952
Lt. (jg) H. G. Clay	957

11ND Awards Contract for NOTS Capehart Housing

An official release was received at China Lake yesterday from the Project Manager of Capehart Housing for the Eleventh Naval District announcing the awarding of a contract on January 26, 1961, to start the construction of 500 housing units at NOTS.

The contract was awarded by Radm. J. R. Davis, Eleventh Naval District Public Works Officer, to the J. W. Bateson Construction Company, Inc., of Dallas, Texas, in the amount of \$8,183,794. The contract calls for a completion date of 480 calendar days from the start of construction, which was last Monday, January 30. Plans and specifications were prepared by Palmer and Krisel, architects, of Los Angeles.

It is expected that ground breaking ceremonies will be held sometime next week.

Plans call for framed stucco construction on concrete slabs with attached garages. The project will consist of 172 single family units for officers and civilian personnel from GS-11 through GS-14 level, 58 duplex units for junior officers and civilian personnel from the GS-7 through GS-10 level, and 270 duplex units for enlisted personnel and civilian personnel at the GS-7 level.

Five bids were received on October 4, 1960, from prominent construction firms.

Initial FHA closing was held at the Republic National Bank of Dallas, Texas, on January 26.

The 11ND Officer in Charge of Construction will be represented at the building site by Capt. T. J. DuMont, Resident Officer in Charge of Construction, and Public Works Officer at NOTS, China Lake.

Check Before You Buy High-voltage Appliance

A few Station tenants recently purchased 220-volt electrical appliances such as clothes driers and combination washer-driers, only to find later that the cost of providing 220-volt service was more than they could afford. The service charge is set forth by Station Instruction 11101.9 dated Nov. 29, 1960.

Tenants are advised to check with the Housing Rehabilitation and Service Contracts Branch of Public Works Department, Ext. 71500, before buying any 220-volt appliance.

Children's Concert

A shortened version of the Solov Ballet evening performance will be given at 3:30 Monday afternoon in the Station Theatre for members of the Children's Concert group.

Due to a clause in the contract, admission is restricted to children 16 years of age and under. Tickets at 50 cents each for the one performance, or 90 cents for the remainder of the Children's Concert series are available in the schools.

Ballet Ensemble To Perform For NOTS Concert Monday

Noted dancers Irina Borowska and Michael Maule will head the Zachary Solov Ballet Ensemble which will be presented under the auspices of the NOTS Civic Concert Association in the Station Theatre at 8:15 p.m. next Monday, February 6.

Choreographer Solov, well-known for his dances for 28 recent Metropolitan Opera productions as well as works for Ballet Theatre and London's Festival Ballet, has chosen music by Tchaikowsky, Gluck, Weber and Mendelssohn as the basis of the program here.

Irina Borowska, noted ballerina of the Ballet Russe de Monte Carlo, has performed across the U. S. in such ballets as "Swan Lake", "Beau Danube", "Scheherazade", and "Gaiete Parisienne." Miss Borowska, also noted for her strong technique and personal beauty, was born in Argentina of parents who had emigrated from Poland, and has been dancing since seven years of age.

Heading the male contingent of the Ensemble is Michael Maule, one of the most esteemed dancers now appearing in the U. S. He has partnered such luminaries as Alicia Markova, Maria Tallchief, and Alexandra Danilova.

A South African by birth, the red-haired dancer has been a principal dancer with the New York City Ballet, toured the U. S., South America, and Japan with Danilova, and for two years was leading dancer of the Metropolitan Opera.

No single admission tickets will be available for this concert but season tickets may be purchased at the reduced rates of \$10, \$8, and \$6. Children and students tickets are half price.



CREDIT UNION OFFICIALS—Officers of the NOTS Employees Federal Credit Union 1961-62 Board of Directors meet with CU Manager Ken Martin (seated) to discuss new business for the coming year. Officers (l-r) are: William Koontz, Vice President; Henry Wair, President; Robert Holloway, Treasurer; and Joseph Doucette, Secretary. Wair and Koontz were re-elected to their posts. Holloway and Doucette are serving the second half of their terms. Other Board members are: Evelyn See, La C. L. Vancil, and Berce Giles.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

Monthly cribbage tournaments will be held the second Monday of each month in the Community Center lounge. It is very difficult, in fact, impossible, to select a time when every one interested can participate. We hope this regular schedule will make it easier for folks to plan ahead and attend these tournaments.

Monday, Feb. 13 is the date of this month's competition. Tournament play starts at 7 p.m. All Station adults (military and civilian) are invited to participate. Four hand, partner Cribbage is played. Winners are awarded individual trophies and have their names engraved on the Champions plaque.

Adult Dance Date Set
The next adult Station dance will be on Friday, February 24. Save that date for a fun-filled evening. Music will be by one of the favorite West Coast bands, Bill Pan-nell. "Diamond Lil" will also be here to really sing out those songs you love to hear.

EM Club Activities
A Western type dance will be held at the EM Club every other Friday night starting this week in the Oasis room. The downbeat will be sounded at 9 p.m. and dancing will continue until 1 a.m. Western music for your listening and dancing pleasure will be by that popular trio—Lloyd, Jim, and Andy. All 1st and 2nd Class Petty Officers and their guests are invited.

Club members are reminded of Happy Hour held each Wednesday and Friday evening from 7-8 p.m.

Numismatists to Meet
The China Lake coin Club meeting will be held in the main auditorium of the Community Center Tuesday, February 14. Following a short business meeting, there will be an auction of rare, scarce and unusual coins.

The Coin Club is now offering membership for the current year. However, visitors are always welcome. A highlight of the year's activities will be at the April meeting, when Cyrus Phillips, of National Numismatic fame, is to be

State Jeep Rally
A State Jeep Rally will be held at the Hunter-Liggett Military Reservation February 10-12 reports Mr. Forrest Sheppa, Vice President of the California Association of Jeep Club and chairman of the State Jeep Rally.

If you are interested in attending, please contact the Recreation Director for further information on registration, entrance fees, facilities available, and planned Rally activities.

Sequoia Winter Season
Something new in all year accommodations has been opened at Camp Kewah in Sequoia National Park. Folders illustrating these new cottages and other Park accommodations are available at the Community Center receptionist counter. Lodging discounts are given for the winter season for mid-week reservations (Sundays to Thursday nights).

Modern Dance
The Modern Dance Club will hold their regular meeting next Wednesday at 6 p.m. in the Community Center. New members will be enrolled for the Spring classes. The group meets each Wednesday, from 6-7:30 p.m. This club, the only one of its kind in the area, is composed of members whose abilities range from the professional to amateur.

For further membership information, contact Michaela Martin, Ext. 74644 or Joan Leipnik, Ext. 725212.

Raft Club
Paul Vaughn will do the honors as Master of Ceremonies at tomorrow's Record Hop which will begin at 8:30 p.m. Also present to contribute to the evening's entertainment will be "The Incidentals". The previous record hop was enjoyed by all—plan on attending.

SHOWBOAT

FRIDAY FEB. 3
"THE NAKED JUNGLE" (95 Min.)
Charlton Heston, Eleanor Parker
7 p.m.

(Drama in Color) South American plantation owner weds, by proxy, but finds his wife unsuitable for the rigors of his area. Giant soldier ants infest his fields as he battles against them. (Adults-Young People)
SHORT: "Pacific Paradise" (14 Min.)

SATURDAY FEB. 4
MATINEE—1 P.M.
"SAD SACK" (98 Min.)
Jerry Lewis
EVENING
"3:10 TO YUMA" (92 Min.)
Glenn Ford, Van Heflin, Felicia Farr
7 p.m.

(Western) Leader of outlaw gang is seen by a poor rancher during a stage holdup. The bandit is caught and sent to Yuma with the rancher as stagecoach guard but the gang attempts to save him. High calibre action and suspense. (Adults-Young People)
SHORTS: "Southern Fried Hospitality" (7 Min.)
"High Colorado" (10 Min.)

SUNDAY FEB. 5
"WIZARD OF BAGHDAD" (92 Min.)
Dick Shawn, Diane Baker
6 and 8:15 p.m.

(Comedy in Color) Evil forces take over this fabulous city of flying horses, floating carpets and lovely girls so a genie is assigned to correct the problem of magic power, sheer fantasy, fun and frolic. (Adults-Young People)
SHORTS: "When Magoo Flew" (7 Min.)
"Rashtin" Champs" (10 Min.)

MONDAY FEB. 6
NOTS CIVIC CONCERT ASSOCIATION
presents
SOLO BALLET ENSEMBLE
8:15 p.m.

TUESDAY-WEDNESDAY FEB. 7-8
"THE FACTS OF LIFE" (104 Min.)
Bob Hope, Lucille Ball
6 and 8:15 p.m.

(Comedy) Two couples plan vacation in Acapulco but only one of one family and one of the other are able to go—and they fall in love. After returning home they plan an "affair" that's the cue for laughs galore. (Adults)
THURSDAY-FRIDAY FEB. 9-10
"ELEPHANT WALK" (103 Min.)
Elizabeth Taylor, Dana Andrews
7 p.m.

Adventure-Drama in Color) Bride accompanies husband to Ceylon plantation and gloomy setting makes for a short honeymoon. Wild rituals, an epidemic and stampede climax her planned elopement with the foreman. (Adults-Young People)
SHORTS: "Shooting Stars" (7 Min.)

Meetings...

PEBBLE PUPS will meet next Monday, 5 p.m. at the Groves School Cafeteria. Milton Speckles, mineral collector and authority on Borno's mineral deposits will speak on its geological history. Representative mineral specimens will be displayed. Parents are encouraged to attend.

COMMUNITY ORCHESTRA members are reminded that rehearsal will be held Tuesday, February 7, next week instead of Monday because of the concert. Rehearsal time is 7:30 p.m. in the high school Band Room.

DESERT ART LEAGUERS are to bring their working materials for the workshop meeting next Monday, February 6. Studio opens at 7 p.m. A film showing is planned.

New SecNav Discusses Polaris



SMOOTH TRANSITION—New Secretary of the Navy John B. Connally Jr. (left) discusses operations of a Polaris submarine with former Navy Secretary William B. Franke, who visited NOTS on two different occasions. NOTS conducted the first public firing of Polaris in "Operation Pop-Up" at San Clemente Island in June of 1958.

NOTS Research Man To Make Balloon Flight

NOTS will participate with the Air Force's Research and Development

Station Reaffirms Child Care Edict

Attention is directed to existing regulations governing the establishment and operation of boarding or day care homes for children. Doris Whitley, Head of the Public Health Branch, states that persons living within the Station wishing to maintain such a facility must make application in person to the Medical Department.

Boarding homes must be operated in compliance with California Department of Social Welfare standards and any additional local regulations promulgated by the Station. Each operator will be required to display in the boarding home her State Operator's license, a Station permit, and a NOTS Medical Department Health Certificate.

Complete regulations and procedures may be secured through NOTS Instruction 53801 or by contacting Doris Whitley, Ext. 71683.

Pasadena JPs Visit For Tour of Station

Sixteen Junior Professionals from Pasadena visited the Station this week for a three-day orientation tour.

During their three days here they visited Mich Lab, toured the ranges and witnessed tests which were in progress, and as a finale toured the Propulsion Development Department Laboratories.

They heard presentations by Capt. W. W. Hollister, Dr. Wm. B. McLean, Harold Metcalf, Dr. Newt Ward, J. L. Cox, Dr. G. J. Plain, W. E. Vore, R. T. Carlisle, Dr. G. S. Colladay, and A. B. Christman.

Junior Professionals participating in the tour were: Mechanical Engineers—Robert B. Hall, Malcolm G. Currie, Howard V. L. Patrick, Paul D. Scholz, Thomas E. Miner and Elvin L. Roeske.

Mathematicians—Benton F. Long, Donald G. Alpin, Richard J. Bourne, William A. Middleton, and Margaret G. Barhyte.

Physicists—Donald Close, Gerald E. Holmberg and Charles E. Manry. Electronics Engineer Baldassare A. Bologna and Metallurgist Charles F. Gibbon.

HOW'S THAT AGAIN . . . A man needed a \$3 bus ticket, but he had only a \$2 bill. So he took it to a pawnshop and pawned it for \$1.50. Then he sold the pawn ticket to a friend for \$1.50 and bought his \$3 bus ticket.—Safe Driver.

The Navy is said to be working on an atomic submarine which will stay under water for four years. Then it comes up just long enough to allow the crew to re-enlist. —Safe Driver.

Sports Slants

Golfers Take to Links In Tournament Tour

By "Chuck" Mangold, Athletic Director

Last Sunday's "Best Ball of Partners" tourney was well received by the members of the China Lake Golf Club. Thirty teams entered the 18-hole event and fought to a thrilling finish. Only nine strokes separated the best and worst scores turned in. Tied for low net at 63 were Ken Fletcher-Jim Davis and Al Tewksbury-John Strommen.

In sole possession of third place at 64 reigned twosome Gary Stevenson and Les Fairall. Scrambling out of the pack for a precarious lock on fourth money, the three teams tied at 65 were Les Anderson-Pat Cropper, Gus Mead-Bob Mead, and Hal Turner-Al Zernikow.

Results of this tournament pre-empt a tight race for the laurels in the approaching annual Best Ball of Partners at 36 holes. This year, it is planned to offer a perpetual trophy for the winning team.

Novelty Event
Next event on the tournament tour is scheduled for Sunday, February 12. Labeled the "Four-bit Scramble," each entrant will receive full handicap and compete against the field on a match play basis. On each hole, the competitor with the high net score will be eliminated. Play continues until all but one entrant is eliminated, or the 18 holes are played; the winner to collect the pot. Entry fee is fifty cents. Entrants may sign up in groups—up to a foursome—and may play together. Deadlines for entries is 4 p.m., February 8.

Death Valley Invitational
Entries for the Death Valley Invitational are coming in. This is a team event scheduled for the weekend of April 8-9. Discussion of a challenge round for the NOTS Trophy have started between China Lake and Pasadena golfers. This is a team match that has been run once, with China Lake winning the first leg on the trophy. China Lake golfers interested in participating in team events should notify the tournament director.

Ladies Golf
A surprise tournament was held in which prizes were given for most putts. Vera Greenfield and Vera Mead tied for first place. Norma Hollister came in second.

A luncheon-meeting will be held next Tuesday in the COO Club at 11 a.m. Pins will be awarded to the following members who have broken 100: Dovie Hampton, Bernice Rice, Eileen Russell, Shirley Gorman, Carolyn Kruse, and Barbara Zernikow.

Intramural Basketball
Feb. 7 V-X vs Salt Wells 6 p.m.

Dust Devils Announce Annual Economy Run
An Economy Run conducted annually by the Dust Devils Auto Club, Inc. has been set for Sunday, February 5. The first run will start at 10 a.m. from the sponsoring Ridgcrest Shell Station at China Lake and Ridgcrest Blvds. Ensuing runs will start at 2 minute intervals.

The course will be approximately 185 miles round trip covering various types of driving and road conditions. There will be classes for all types of cars with a trophy for first place, and awards for second, and third place winners.

A sweepstakes award will go to the car scoring the most ton miles for the entire course.

We Goofed
In last week's recap of BuWeps' achievements during 1960 we inadvertently referred to the Chief of Naval Operations as Rear Admiral instead of Admiral Arleigh A. Burke.

To set the record straight, he was appointed Rear Admiral on July 15, 1950, and was the first Rear Admiral in the history of the Navy to be selected as Chief of Naval Operations, when nominated by former President Eisenhower on May 25, 1955 to succeed Admiral Robert B. Carney as CNO. Burke simultaneously was nominated to the four-star rank of full Admiral.

Admiral Burke is serving an unprecedented third term as Chief of Naval Operations.—The Editor.

News From Pasadena



SOUNDS FISHY—Nope, it's not a fishy picture. It's a fishy picture. Herb Summers, P805 engineer, painted it while about 30 feet under water. He's an artist, recently took up diving, so it was bound to happen.

Diving Leads Artist To New Hobby, Underwater Painting, Color Studies

You take an artist, put him in a diving outfit and you've got an underwater painter. That's Herb Summers, engineer in P805. Herb has been painting for years and just recently took up diving as a hobby.

As for painting an oil picture underwater—it's not an easy task. "Every now and then," says Herb, "you'll find the paint goes floating away from your palette. Then you have to reach up and grab it."

Colors are different too, he says. It's peculiar what various depths of water will do to a particular color. For instance, light red turns a very dark color.

The painting shown below represents his first effort along these lines. Besides being a stunt though, Herb is studying colors and color patterns at different depths.

This particular painting is on a plastic panel with a handle at one side. The paints were put on the palette before going down. With sufficient weights on to hold him down, Herb knelt on the ocean's sandy floor around Emerald Bay off Catalina, about 30 feet down, amid rocks and seaweed. Though he used a palette knife, a different technique had to be adopted and the paint worked into the panel. "It's quite a runny feeling to look

upward and see fish swimming about," says Herb, "when one is used to looking down to see them."

We've seen several of Herb's paintings in Building 7 and in the Personnel Lobby. We look forward to seeing some of his underwater work.

Fair Share Giving Means Big Lift In Lives of So Many

Now in full swing at NOTS Pasadena is the 1961 fund campaigns for Federal Service Joint Crusade and the National Health Agencies. Your help means so much to so many. If you haven't already done so, see your Department Keyman. Do your fair share today!

Promotional Opportunities
PASADENA
Mechanical or General Engineer, GS-12, Code P3092, PD No. OP3011-1. Duties: As a Project Engineer, will be responsible for planning, designing, directing and supervising testing programs in the field of underwater ordnance and associated special equipment. Incumbent will expand program plans into detail, outlining the work to be accomplished and estimating the time, funds, instrumentation, and facilities required. Closing date: Applications must be received by not later than 4:30 p.m. on February 10, 1961. Contacts: Nancy Reardon, Personnel Division, Extension 104.

Test Mechanic (Experimental Ordnance Equipment), Code P8084, hourly pay range \$2.94 to \$3.18. Duties: Set up, operate, and assist in the experimental development testing of launchers, missiles and components. Alter, modify, repair and overhaul launching equipment and such ordnance items as torpedoes, mines, depth charges, small caliber rockets, guided and unguided missiles. Closing date: Applications must be received by 4:30 p.m., February 10, 1961. Contacts: Nancy Reardon, Personnel Division, Extension 104.

Income Tax Forms In Personnel Division
For convenience of employees who do not receive state and federal income tax forms at their home address, a limited supply of the forms is available in the lobby of the Personnel Division.

After discussing world affairs and the state of the nation, the talkative barber observed "Your hair seems to be turning a bit gray, sir." The man in his chair responded, "I'm not surprised—can't you work a little faster?"

Credit Union Says Bring Passbooks To Post Dividends
All shareholders of the NOTS Pasadena Employees Federal Credit Union are reminded to bring their passbooks to the Credit Union Office for posting of annual dividends.

A dividend rate of 5.5 percent was recently announced for the year ending December 31, 1960.

The credit union hours for transacting business are: Monday through Friday each week from 10:30 a.m. to 12:30 p.m., then from 1:30 p.m. to 4:45 p.m.

Hebrew Congregation Assemble Tonight For Charter Presentation
Rabbi Solomon F. Kleinman, Dean of the Los Angeles College of Jewish Studies, will present a charter to the NOTS Hebrew Congregation admitting them to the Union of American Hebrew Congregations. Introduction by Dr. Max Dubin will commence at 8:15 p.m. tonight in the east wing of the All Faith Chapel.

Tomorrow at 1 p.m., Rabbi Kleinman will conduct an open forum in the east wing. A graduate from the University of Washington in Seattle and the Hebrew Union Jewish Institute of Religion in Cincinnati, Ohio, he was formerly Rabbi of Temple Beth El in Niagara Falls. The guest lecturer is also Western Regional Director of the Pa-

Plans Announced For Exercise Here In Disaster Control

The next Disaster Control exercise at NOTS Pasadena is set for two weeks from today, announces Elmer P. Price, Disaster Control Officer.

To overcome communication difficulties experienced in the last two drills, the Communications Team has been experimenting with the walkie-talkies. Charles C. Reader, Assistant Disaster Control Officer, and Hap Smith, Captain of the Communications Team, feel the troubles have been licked and predict a swift-moving exercise on February 17.

Additional volunteers for the various teams are needed as replacements for those who have been terminated. Persons interested in being a part of the Disaster Control organization may call Mr. Price on Extension 12 for details of responsibilities and application blanks.

Recent additions to the group are Donald Close, Keith Wells, Bill Middleton and Gerald Holmberg, who, with Edward Kimuri as Captain, form the new AA#3 Survey Team. Bill Alberts has joined the Radio Communications team; Thomas E. Miner, Rescue; Charles Manry, AA#1 Survey; and J. B. Barrett, Fire-fighting.

Secy's Daughter Crowned Princess In Camelia Festival

The daughter of Jeannine Wolfe, P1901 Secretary, and granddaughter of Mr. and Mrs. Ralph N. Mead, 56-A Card St., China Lake, will be a member of the Royal Court of the 17th Annual Camelia Festival held annually in Temple City.

Marilyn, 6, was notified of the honor this week when she received a telegram reading: "Congratula-

tions Princess Marilyn. We are delighted." It was signed by the Festival Committee.

She, along with the Queen and other four members of the Court, was chosen from among 198 first-graders in Temple City, the scene of the annual event which is a major annual attraction of Southern California.

Besides riding in the parade on February 25, Marilyn will participate in press conferences, and television and other public appearances.

Jeannine and her husband, Ed, have two other children—Linda 11, and Wesley, 5. The Wolfes reside at 9174 Jaylee Drive, Temple City.

Princess Marilyn



NOTS Hoopsters Take 8th Win In Slim 54-50 Victory

Taking their eighth win by a close margin, the NOTS Pasadena Basketball Team on January 23 edged out Stuart Company by 54-50. Trailing by three points at halftime, the NOTS team fought through the second half for a slim four-point win.

Star of the evening was Ray Brooks who brought home 20 points. Other scorers were Tom Grove and Don Brooks, 9 each; Rod Rotter, 8; John Martin, 5; and Lee Haynes, 3. Holding second place in the league, the team has won eight matches this season and lost one. They are scheduled for three more games, then league play-offs begin.

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BuWeps Man Receives Five-year Service Pin

Five years of government service at NOTS was commemorated recently by William S. Eulen of the BuWeps Technical Liaison Office.

A lapel pin was presented to him by OnC Captain Charles J. Beers.

Burlem has been with the BuWeps liaison office here for a little over two years and was previously with Underwater Ordnance Department.