

Navy Records Many 'Firsts'

We at NOTS are aware of the extent our local projects have progressed and what we will strive to achieve in crash programs or long-range planning—but do we have the over-all picture of the Navy's accomplishments for 1960? During the past year, our Navy has moved with giant strides to keep in the forefront of scientific progress. From its research and experimental laboratories have emanated powerful and deadly weapons to meet the challenges posed by international tension. This resume of the Navy's outstanding record makes impressive history for the Sixties.

ASROC
A new and powerful anti-submarine weapon known as ASROC, joined the fleet. The front half of the missile is a torpedo and the rear a solid propellant rocket. When fired, the rocket booster falls off and a parachute lowers the torpedo into the water. Guided by an acoustic homing device, it closes on its target at high speed.

RADIO-TELESCOPE
Under construction for the Navy is the world's largest radio-telescope. Located in West Virginia and scheduled for completion in '62, it will enable scientists to listen in on radio signals emitted by astral bodies at 19 times the distance probed by the Mt. Palomar telescope. Riding on circular tracks, the dish can be aimed at any point in the sky. It will be electronically controlled from a nearby building which will serve as a research center.

SATELLITES
The Navy's Transit I-B navigational satellite was placed in orbit in April, followed by Transit II-A in June. A total of four satellites were launched by the Navy into outer space.

SPEED RECORD
Capt. John F. Davis flew a F4H-1 Phantom II fighter around a closed

circuit course setting a new world's record of 1,390 miles per hour.

BATHYSCAPH
The Navy's bathyscaph, Trieste, set a new world's record by diving 7.15 miles to the bottom of the deepest known hole in the Pacific Ocean. The 37,800-foot dive compares with the 29,028-foot altitude for Mount Everest... a greater feat than conquering the tallest mountain of the world!

NUCLEAR SUBMARINES
The nuclear submarines Sargo and Seadragon reached the North Pole traveling under the polar ice cap. Seadragon opened a new "Northwest Passage" through the Canadian Archipelago on the way.

The USS Triton sailed around the world submerged, travelling some 24,000 miles in 84 days.

POLARIS
The submarine-ballistic missile weapons system became a reality more than two years ahead of schedule. The USS George Washington is now at sea carrying six-teen thermo-nuclear missiles, each with a range of more than 1,300 miles.

Preparedness
The Navy also added new missile-firing surface ships to its fleet and installed advance weapons in many of its older ships. Men have been trained to operate and maintain some of the most complex electronic, nuclear and mechanical devices in the world.

Repeated threats to world peace have kept the Navy on the alert; to bolster its striking forces, an additional attack carrier was assigned to the Sixth and Seventh Fleets.

The United States Navy has carried the American Flag throughout the world from Pole to Pole, reminding our friends—and other nations—that American seapower is always on hand to help keep the peace.

Meet Your Credit Union Directors . . .

Supervisory Committee Examines CU Affairs

This is the fourth in a series of personality sketches on directors and committee members of the NOTS Employees Federal Credit Union. Today's article deals with the three members of the Supervisory Committee.

The function of this committee is to make periodic examinations of the affairs of the Credit Union, which includes an audit of its books, and submit written reports to the Board of Directors, and the Bureau of Federal Credit Unions as may be required.

Gus Swiers, the senior member of the Supervisory Committee with three years of service on the committee, is a Management Analyst in Code 174 of Central Staff. Since he came to NOTS in April, 1952, he has also worked as a Budget Specialist in Explosives Department, and as Administrative Assistant in Test Department.

He is a graduate of the American International College, Springfield, Mass., with a BS degree in business administration. He also attended Syracuse University for one year for his masters degree.

Gus is a native New Yorker, born in North Tonawanda, later attending high school in Niagara Falls. Following basic training in the Army during World War II, he received specialized training at the University of Chicago where he studied Russian. He was attached to the 28th Infantry Division in France, and was awarded the Purple Heart medal. One of his duty assignments in Germany was as interpreter for Russian displaced persons.

Other outside interests are the Community Council, United Fund Drive, woodworking, and gardening. His family consists of his wife, Margaret, and their three children, and they live at 404-B Fowler.

Robert McKenzie, a Budget Ana-

lyst in Central Staff, has served on the Supervisory Committee since March, 1959. He came to NOTS in February, 1954, and has worked in the Budget Division ever since except for six months in the Management Analysis Division.

Bob is a graduate of Ohio State University, class of '50, with a degree in psychology. He later served two years with the Army Medical Corps.

He is a member of ASPA, and is a co-chairman of the Boy Scouts community finance committee, and the organization and extension committee.

His wife, Carol (Westerfield), was formerly a speech therapist with the China Lake schools. They now have a small son, Luke, and live at 301-B Thompson.

Laura M. Patton, Architect on the department staff of Propulsion Development Department, Code 45011, is the most recent addition to the Supervisory Committee. She replaced Evelyn See when she was elected to the Board of Directors last summer.

Her work involves facilities planning for the department's physical structures including building equipment, and utilities. She has been with the same department since she first came to NOTS in 1947.

She attended the University of Texas where she majored in architecture, but her professional interests are shared by a keen fascination for archeology.

Among her outside interests are skiing, her membership in the American Ordnance Association, and the American Society of Civil Engineers. She lives in a bachelor apartment at 451-M Nimitz.

Rocketeer Deadlines
News, Tuesday, 4:30 p.m.
Photos, Tuesday, 11:30 a.m.



FINAL APPROACH—This scene was repeated many times for curious spectators watching the Schweizer 222-C gliding over its paces. Gliders have only one wheel for landing but are equipped with skids on assembled the glider as a 6-month, spare time project.

Navy Captain Cited By AFGE Union As 'Man of Year'

Quonset Point, R.I.—A Navy doctor who was instrumental in curbing last summer outbreak of polio in Rhode Island and who has helped perfect the new jet hypodermic injector has been chosen "Man of the Year" by the American Federation of Government Employees.

Capt. Edward A. Anderson, senior medical officer of the Naval Air Station here, will receive the award in January in the nation's capital. The award is given for outstanding public service during the previous year.

A letter from the Federation cited Capt. Anderson's "outstanding progress in the field of medicine." The captain, while not the inventor of the hypodermic jet injector gun, has made many modifications to increase its efficiency.

During the summer, in an effort to prevent polio in Rhode Island, Capt. Anderson administered more than half a million shots with the new injector. For this and other work to curtail polio epidemics in the state, the captain has received over 25 awards, plaques and letters of commendation from various communities.

During the past six years Capt. Anderson has taken time off from his Navy medical duties to help combat epidemics for the government's International Cooperation Agency. He has used the hypodermic injector in African countries and in Thailand, Pakistan and Brazil. (AFPS)

GEBA Assessment Nos. 41, 42, 43 Due

Assessment No. 43 is now due and payable by members of the Government Employees Benefit Association following the death of Jack Roberts, 58, on December 28. Some collections for assessments 41 and 42 are still due following the deaths of Hubert Stanfill on December 13, and Bob Hughes, December 23, all members in good standing.

Roberts had been a firefighter at NOTS for 14 years. His survivors are his wife, Anna, of 245 Holly Canyon Drive, Ridgecrest, and two grown children. His widow received a check for \$1,000 from GEBA.

Payment of each \$1.10 assessment from members may be mailed to the residence of the secretary-treasurer Frank M. Brady, 302-A Groves, China Lake.

School Notes
Burrhus students recently packaged 229 bags of used clothing totalling 4,500 pounds for the World Clothing drive for underprivileged children and needy adults. Contributions were far in excess of the nation wide average of 2 pounds per student.

Soaring Reaches Popularity Height

The maiden flight of the China Lake Soaring Club's new Schweizer 222-C training glider was hailed last Thursday as the beginning of a stepped-up activity for sailplane enthusiasts. Purchased as a factory kit, the glider was assembled by Club members and proved its airworthiness as a Federal Aviation Authority official witnessed the craft's performance.

An intensive flight training program was launched last weekend culminating in a total of 78 flights. The activity attracted many people to the Inyokern airport; several fortunate to receive demonstration rides.

Auto Tow Used
Training flights are made by auto tow with a 1000 foot steel wire at approximately 50 miles per hour. A safety release is provided on the tow car as well as the glider. The tow is run about 1 1/2 miles which is ample to achieve heights to 1000 feet.

Charles Drew, secretary, disclosed that arrangements are being made for aircraft tow so that longer

flights can be made. This will also make it possible to conduct soaring flights on days having thermal activity. The Club will make a nominal charge for flight instruction and demonstration rides in order to offset operating expenses.

Growth Foreseen
Inyokern airport manager Joe Kilgore and his assistant, David Anderson, were checked out for their first glider solo flights; both are accomplished power pilots. It would appear that with the Club's five members qualified to instruct, coupled with the specially suited trainer, a considerable growth of soaring can be achieved in the valley.

At the present time the Club, a chapter of the Soaring Society of America, has two other gliders under construction. One is a novel tailless flying wing which should be completed next summer. The other is a war surplus training glider being rebuilt. In addition, there are three privately owned single place higher performance gliders under construction.

Registrations Open for UCLA Spring Semester

Classes in the Spring semester of the UCLA Extension and Graduate Program are scheduled to start Monday, January 30. Registration and payment of fees will be accepted starting Monday, January 16 through February 3, by the registrar in the Education Office, Room 1004, Michelson Laboratory, every day from 9 a.m. to 1 p.m.

Refunds of registration fees are granted to students who withdraw prior to the fourth class meeting and to eligible employees who complete courses successfully. Complete information may be obtained from the registrar or from the NOTS Education Bulletin No. 1-61. Copies may be obtained from the Education Office.

Extension Program Courses
Business Administration XL 152 (3 units, \$40); Education XL 139 (2 units, \$28); Education X 313.5AE (2 units, \$25); Education X 326.5CD (2 units, \$25); Engineering XL 114A (3 units, \$40); Engineering XL 117A (3 units, \$40); Engineering XL 120A (3 units, \$40); Engineering XL 130B (3 units, \$40).

Journalism X 400AB (2 units, \$25); Mathematics XL 122B (3 units, \$40); Mathematics XL 131B (3 units, \$40); Mathematics XL 140 (3 units, \$40); Mathematics XL 197 II (3 units, \$40); Oceanography X 102ABC (3 units, \$40).

Physics XL 119 (3 units, \$40); Physics XL 121 (3 units, \$40); Psychology XL 145A (2 units, \$25); Real Estate X 481.3AB (2 units, \$25). Registration for this course will be from February 27 to March

PEBBLEPUP'S FIELD TRIP TOMORROW

Pebblepup members will rendezvous at 9:30 a.m. tomorrow on Trona Road, 3 miles east of the NOTS south gate road, for their monthly field trip which will take them to the Bentonite mine area. The usual orange-ribbon markers will be posted from the meeting point along the 17-mile route.

Minerals found at the site are orthoclase feldspar crystals, basalt or rhyolite and peridot. Indian petroglyphs can also be seen in this area. Tools needed are small rake or garden claw.

If the trip is cancelled, a notice will be posted on the Military Personnel Pickup Station near the main gate.

"It Just Occurred to Me"
An omen it is, a year of jest, A year of rollicking fun, For when you turn it upside down, It's still 1961.
By James Rhodes
China Lake

ROCKETEER

TEMPERATURES

	Max.	Min.
Jan. 6	64	19
Jan. 7	57	22
Jan. 8	49	23
Jan. 9	60	23
Jan. 10	63	26
Jan. 11	63	31
Jan. 12	64	30

Budd Golt, Editor Office, Housing Bldg., Top Deck Phones 7-1354, 7-2082, 7-1655

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EXCESSIVE SPEED CAUSED THIS—Three Station enlisted men are hospitalized because the driver lost control of this vehicle while traveling at an excessive rate of speed. The driver suffered the loss of one third of a leg. His two passengers were seriously injured. One received a skull fracture, the other a spine fracture. The driver reported on board only two weeks ago to the Commissary Division.

Three Navy Men Injured In Death Valley Auto Accident

Again, excessive speed was given as the cause of an automobile accident in which three enlisted men from the Commissary Division were injured last Saturday afternoon in Death Valley. One man lost one-third of his left leg and two others are hospitalized with injuries.

The accident occurred when the driver of the car, Raymond Duran, 27, failed to negotiate a slight curve on Highway 199, near the Zabriskie Point Road intersection, 3 1/2 miles east of the Furnace Creek Inn.

Investigating authorities reported that the vehicle was traveling in excess of 85 miles per hour. The report indicates that the vehicle's right front and rear wheel left the pavement and traveled on the loose gravel shoulder for a distance of 300 feet, then continued over the crest of a hill for an additional 100 feet, then crossed the highway, rolled over once, before landing in an upright position on all four wheels in a dry gulch 165 feet from the highway.

Duran, the driver of the car, who suffered the loss of one-third of his leg, was given emergency treatment at the Station Hospital, then flown to the San Diego Naval Hospital. Duran has 10 years of service with the Navy and reported to the Station just two weeks prior to the accident.

His passengers, Seaman Dennis J. Marren, 18, and Clarence J. Hoffman, 20, are being treated at the Station Hospital. Marren received a basal skull fracture, fractures of the left hand and abrasions. Hoffman suffered a cervical fracture of the spine.

Two Ambulances Used
When the Station Hospital was notified of the accident, two ambulances were dispatched with Dr. A. M. Scardino and two medical corpsmen, to meet the Death Valley Rangers who were on their way to China Lake with the accident victims.

The Station ambulances met the first Ranger vehicle carrying Duran and Marren between Trona and the entrance to Death Valley. Because of their critical condition no attempt was made to transfer the men.

One of the Navy ambulances escorted the first Ranger vehicle back to the Station Hospital while the other continued on to meet the second Ranger vehicle carrying Hoffman, who was transferred to the Navy ambulance for return to the Station.

Credit Union Pays \$93,000 in Dividends

Dividends for 1960 have been credited to the accounts of NOTS Employees Federal Credit Union shareholders exceeding \$93,000 effective January 3, according to Ken Martin, Credit Union manager. This is a result of the five percent dividend declared by the Board of Directors at a recent meeting.

The annual meeting for Credit Union shareholders has been set for Monday, January 23, at 7:30 p.m. in the Community Center to elect officers and committee members whose term are due to expire.

This is the fourth successive year that the local Credit Union has declared a 5 percent dividend since it was granted its charter in November, 1947.

NOTS Safety Score

Disabling Work Injuries	'59	'60
China Lake	22	38
Pasadena	5	6
San Clemente	6	9
	33	53

Navy League Address Station Commander Reviews Status of National Defense

Captain W. W. Hollister, Station Commander, addressed the Los Angeles Council Navy League at the University Club, Los Angeles, last Tuesday, January 10. His topic was a brief review of the world situation today.

Included in the audience were former Station officials Rear Admiral Sherman E. Burroughs (Ret.) the first NOTS Commander, December, 1943; Captain David Young (Ret.), Station Commander from 1953 to 1955; Dr. William H. Pickering and Dr. Charles Lauritsen, members of NOTS Advisory Board.

Capt. Hollister enumerated the impressive roster of officers who served at NOTS in the past such as RADM. P. D. Stroop, Chief of the Bureau of Naval Weapons; Vice Admiral Charles Hayward; and RADM. Frederick Ashworth. Also noted in the civilian field was the impressive number of past Stationites represented in almost every industrial activity in this country.

Station 'Innovates'
The main topic of his address centered on the status quo of armament development throughout the countries of the world; and the Station's mission was described as one which "innovates" in its contribution to national defense.

The Station-developed missiles which are now operational within the Fleet were discussed in addition to the Station's work in the basic research of the ocean. "To me, it appears more important to uncover the secrets of the sea with all its abundant sources of food, power, minerals, transport, than to place higher priority on trips to the moon or other planets," he said.

"But," he went on to explain, "continued effort in space research should not be stopped and we must of necessity maintain a survivable deterrent force sufficiently powerful in nuclear retaliatory strength to convince the Soviets that the initiation of general war would be suicidal. At the same time more effort must be placed in the development of new conventional weapons in order to control the brush fires



Capt. W. W. Hollister

Registration Starts Monday For Adult Education Classes

Registration will start next Monday, January 16 through 19, for the Spring semester evening classes in Bakersfield College and Burroughs High School between 6:30 and 8:30 p.m. in the BHS library.

The Spring semester is scheduled to start January 30.

Unless pre-registration shows sufficient demand for the classes listed below, they will not be offered when the semester begins. This regulation must be enforced because of the necessity of hiring teachers, ordering books, and having the necessary printing done before the classes start.

An English classification examination will be given next Thursday, January 19, at 7 p.m. in Room 24 at BHS.

High School Classes
Classes offered at the high school level are: Algebra 1 (first semester); Algebra 2 (second semester); Arithmetic and Language Review; Art; Astronomical Instrument Design; Blueprint Reading and Drafting; Bookkeeping 1; Ceramics 1; Electronics 2; History of United States 2; Jewelry 1; Mother and Child Care; Needlework and Yarn-craft; Photography; Sewing 1 (beginning); Sewing 2 (intermediate); Sewing 3 (advanced); Sheetmetal Layout; Shorthand 2 (intermediate); Spanish (conversational);

Swimming and Lifesaving; Typing 1 (beginning) Typing 2 (intermediate); and Woodshop.

College Classes
Students must have the necessary prerequisites before enrolling in the following Bakersfield College classes: Astronomy 1b (3); Class Piano 1a (1); English Xa (3); English Xb (3); English 1b (3); English Literature 40a(3); English 51a (3); French 2 (4); French 4 (4); Fundamentals of Music 1a (3); Geography 1b (3); History 17a (3); Journalism 20a (3); Mathematics B (3); Mathematics D (3); Mathematics C (3); Mathematics 1 (3); Mathematics 3a (3); and Mathematics 14b (5).

Philosophy 6a (3); Political Science 1 (3); Psychology 1b (3); Psychology 33 (3); Public School Art 8 (2); two courses in Reading Improvement 81b (1); Russian 52c (2); Sociology 1 (3); and Speech 18 (3). States 2; Jewelry 1; Mother and Child Care; Needlework and Yarn-craft; Photography; Sewing 1 (beginning); Sewing 2 (intermediate); Sewing 3 (advanced); Sheetmetal Layout; Shorthand 2 (intermediate); Spanish (conversational);

For further information contact the office of W. J. Shortt, evening high school principal and coordinator of Bakersfield College courses, at Ext. 72019 during daytime hours or Burroughs High School, 718-51421 during evening hours.

The Navy's Role Nation Observes Civil War Centennial

The Civil War Centennial Commission, headed by Major General U. S. Grant, III, 79-year-old grandson of our 18th President, has established a program to stimulate interest in and understanding of the Civil War.

The underlying theme that the war did not divide—it united, is vividly expressed in the President's Proclamation which states in part "It was a demonstration of heroism and sacrifice by men and women of both sides, who valued principle above life itself and whose devotion to duty is a proud part of our national inheritance."

It is a common belief that the Army was the major force in prosecuting the Federal cause throughout the civil war conflict. During the Centennial, the Navy will attempt to correct that assumption by citing Navy contributions. Aside from data which included battle engagements, troop movement, supply maintenance and blockade tactics, the Director of Naval History has provided this significant chronology for 1861:

Of particular interest in February of that year, the Confederate Congress passed a resolution authorizing a committee on Naval Affairs and later passed laws establishing the Navy Department.

In March, Gideon Welles took office as the Federal Secretary of the Navy and immediately strengthened the Navy by the charter and purchase of vessels; Confederate Congress passed a law providing for the organization of the Navy and establishing a Marine Corps; President Lincoln approved Gus-

tavus Fox' plan to relieve Fort Sumter by sea—Fort Sumter surrendered less than a month later.

May—Stephen Mallory, Confederate Secretary of the Navy wrote: "I regard the possession of an iron-armed ship as a matter of the first necessity"; the USS Constitution arrived at Newport, R. I. with officers and midshipmen from Annapolis. The Naval Academy remained there for the duration of the war; the Confederate Government assured the patent protection of inventions connected with the building of ironclads.

June—Gideon Welles requested authorization to appoint a Naval Strategy Board—it played a significant role in formulating the strategy of victory by strengthening the blockade, planning amphibious operations to capture southern ports, and split the Confederacy along the line of the Mississippi.

July—The Navy Technology Expands. Seapower exerted vast and decisive influence in blockades, coastal assaults, and in combined operations on the Mississippi. That era saw the birth and utilization of more technological changes and scientific developments in Naval warfare than any previous period in history. A better understanding of this influence on the part of the general public will build a greater awareness of the present and future importance of seapower.

What's Doing

Clip and Save
Published once a month as a community service.

- Monday**
AFGE, 2d, Community Center, 7 p.m.
Amateur Radio Club, 2d, 4th, NOTS Hobby Shop, 8 p.m.
American Chemical Society, 1st, 8 p.m.
Ceramics Club, 3d, Com. Ctr., 7:30 p.m.
CAP, Inyokern Sq. 82 (Cadets), each, Inyokern Airport, 7 p.m.
CPO Wives Club, 2d, CPO Club, 8 p.m.
Desert Art League, 1st, Recreation Hut, 6 p.m.; 3d, Com. Ctr., 7:30 p.m.
C.I. Boat Club, 1st & 3rd, 7 p.m.; Station Restaurant.
C.I. Bowmen, 4th, 57-B Rowe, 7:30 p.m.
China Lake P.E.O.'s, 4th, to be announced.
Community Women's Club, 1st, Methodist Church Social Hall, Ridgecrest, 8 p.m.
DAV, Chapter 135, 1st, County Bldg., 7:30 p.m.
DAV Aux., 2d, 4th, County Bldg., 7 p.m.
Eastern Star, 2d, 4th, Masonic Temple, 8 p.m.
Film Society, 1st & 5th, Com. Ctr., 8 p.m.
Junior Rifle Club, 4th, VFW Hall, 6:30 p.m.
National Seaporters, 3d, Com. Ctr., 8 p.m.
Natural Science Club, 2d, Com. Ctr., 8 p.m.
Navy Wives, 1st, 3d, Clubhouse, 7:30 p.m.
Rockhounds, each, Rockhound Hut, 7 p.m.
R.N. Club, 4th, Community Center, 8 p.m.
Soaring Club, each, Glider Hut, at intersection of NAF & SNORT roads, 7:30 p.m.
SPEBSQSA, each, Hut 81, 8 p.m.

- Tuesday**
AAUW, 4th, Com. Ctr., 7:30 p.m.
Alkali Angels (Model Airplanes), each, Hobby Shop, Ridgecrest, 7 p.m.
Altar Society, St. Ann's, 4th, East Wing, All Faith Chapel, 8 p.m.
American Legion and Auxiliary, 1st, 3d, American Legion Hall, 7:30 p.m.
BPW, China Lake, 2d, 4th, 1130 a.m.
CAP, China Lake Sq. 84, each, 7:15 p.m.
CAP, China Lake Sq. 84, each, 7:15 p.m.
Driver Educ. Center, Husey & Nimitz.
CAP, Inyokern Sq. 82 (Seniors), 2d and 4th, Inyokern Airport, 8 p.m.
CL Fencing Club, each, Rowe St. Hut, 6:30 p.m.
Cl. Elem. Sch. Bd., 1st, 3rd, Murray Library, 7:30 p.m.
Cln Club, 2nd, Com. Ctr., 7:30 p.m.
Community Council, 2d and 4th, Community Center, 7:30 p.m.
Desert Empire Bks. of WWI veterans and Aux., 4th, County Bldg., 8 p.m.
Eagles, Fraternal Order of, and Aux., 1st, 3d, Amer. Legion Hall, Ridgecrest, 7:30 p.m.
Emblem Club, 1st, 3d, Elks Lodge, 8 p.m.
Moose, 1st, 3d, Moose Hall, 8 p.m.
Musicians, Int'l Assn., 442, 1st and 3d, Community Center, 7:30 p.m.
Oasis Garden Club, 4th, Recreation Bldg., Ridgecrest County Park, 9:30 a.m.
Sheetmetal Workers, 2d, Com. Ctr., 7:30 p.m.
Ski Club, 3d, Com. Ctr., 8 p.m.
Women of the Moose, 2d and 4th, Moose Hall, 8 p.m.

- Wednesday**
Astronomical Society, 1st, Com. Ctr., 8:30 p.m.
Beta Sigma Phi, 2nd & 4th, 8 p.m. Call Ridgecrest 5-1431.
Cactus Squares, each, Recreation Hut, 7:30 p.m.
Federal Employees Veterans Assn., last, 239 W. Ridgecrest Blvd., 8 p.m.
Fleet Reserve Assn. Branch 95, Fleet Reserve Hut, 2d, 7 p.m.
Fleet Reserve Aux., 2d, Anchorage, 7:30 p.m.
IAM Women's Aux., 2d, 4th, County Bldg., Ridgecrest, 7:30 p.m.
IWW Sports Car Club, 2d, Com. Ctr., 8 p.m.
Junior Archery, each, 57-B Rowe, 5:30 p.m.
Modern Dance, each, Com. Ctr., 6 p.m.
Photographic Society, 1st-6th, 8 p.m., CB Hut.
Rug Club, each, Recreation Bldg., 9:30 a.m.
Masonic Lodge, each, Masonic Temple, 7 p.m.
NRCC 11-1, 2nd, 4th, Mich. Lab., 7:30 p.m.
Toastmasters, each, Com. Center, 6 p.m.
Sweet Adelines, each, Rowe St. Hut 203, 8 p.m.

- Thursday**
Air Reserve Sq., Flt. F, 9447th, each, Room 1001, Michelson Lab, 8 p.m.
BPW, Kern Desert, 2d, 4th, 8 p.m.
Chess, each, Com. Ctr., 7 p.m.
Desert Dancers, each, Com. Center, 8 p.m.
Desert Devils, each, James Monroe School, 7 p.m.
Elks, each, Elks Lodge, 8 p.m.
IOOF, 1st and 3d, County Bldg., 8 p.m.
Ladies of Columbus, 2d, KC Hall, 7:30 p.m.
PTA (Burroughs), 2nd, Library, 7:30 p.m.
PTA (Elementary), 2d, 7:30 p.m., Murray.
Sage Sharks Diving Club, each, Com. Center, 7:30 p.m.
Quarter Midget, 2d, Com. Ctr., 7:30 p.m.
Sage Sharks Skin Diving Club, 2nd, Com. Ctr., 7:30 p.m.
Shrine, 3d, Amer. Legion Hall, 6:30 p.m.
Scottish Rites, 2d, County Bldg., 7:30 p.m.
Toastmasters No. 853, each, COM, 5:45 p.m.
Toastmasters, each, 52d and 4th, 6:30 p.m.
VFW, 2d and 4th, VFW Hall, 7:30 p.m.

- Friday**
Rebekah Lodge, 1st, 3d, City Bldg., 8 p.m.
Rocket Bridge Club, each, Com. Ctr., 7 p.m.

- Monday**
AFGE, 2d, Community Center, 7 p.m.
Amateur Radio Club, 2d, 4th, NOTS Hobby Shop, 8 p.m.
American Chemical Society, 1st, 8 p.m.
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Cl. Elem. Sch. Bd., 1st, 3rd, Murray Library, 7:30 p.m.
Cln Club, 2nd, Com. Ctr., 7:30 p.m.
Community Council, 2d and 4th, Community Center, 7:30 p.m.
Desert Empire Bks. of WWI veterans and Aux., 4th, County Bldg., 8 p.m.
Eagles, Fraternal Order of, and Aux., 1st, 3d, Amer. Legion Hall, Ridgecrest, 7:30 p.m.
Emblem Club, 1st, 3d, Elks Lodge, 8 p.m.
Moose, 1st, 3d, Moose Hall, 8 p.m.
Musicians, Int'l Assn., 442, 1st and 3d, Community Center, 7:30 p.m.
Oasis Garden Club, 4th, Recreation Bldg., Ridgecrest County Park, 9:30 a.m.
Sheetmetal Workers, 2d, Com. Ctr., 7:30 p.m.
Ski Club, 3d, Com. Ctr., 8 p.m.
Women of the Moose, 2d and 4th, Moose Hall, 8 p.m.

- Wednesday**
Astronomical Society, 1st, Com. Ctr., 8:30 p.m.
Beta Sigma Phi, 2nd & 4th, 8 p.m. Call Ridgecrest 5-1431.
Cactus Squares, each, Recreation Hut, 7:30 p.m.
Federal Employees Veterans Assn., last, 239 W. Ridgecrest Blvd., 8 p.m.
Fleet Reserve Assn. Branch 95, Fleet Reserve Hut, 2d, 7 p.m.
Fleet Reserve Aux., 2d, Anchorage, 7:30 p.m.
IAM Women's Aux., 2d, 4th, County Bldg., Ridgecrest, 7:30 p.m.
IWW Sports Car Club, 2d, Com. Ctr., 8 p.m.
Junior Archery, each, 57-B Rowe, 5:30 p.m.
Modern Dance, each, Com. Ctr., 6 p.m.
Photographic Society, 1st-6th, 8 p.m., CB Hut.
Rug Club, each, Recreation Bldg., 9:30 a.m.
Masonic Lodge, each, Masonic Temple, 7 p.m.
NRCC 11-1, 2nd, 4th, Mich. Lab., 7:30 p.m.
Toastmasters, each, Com. Center, 6 p.m.
Sweet Adelines, each, Rowe St. Hut 203, 8 p.m.

- Thursday**
Air Reserve Sq., Flt. F, 9447th, each, Room 1001, Michelson Lab, 8 p.m.
BPW, Kern Desert, 2d, 4th, 8 p.m.
Chess, each, Com. Ctr., 7 p.m.
Desert Dancers, each, Com. Center, 8 p.m.
Desert Devils, each, James Monroe School, 7 p.m.
Elks, each, Elks Lodge, 8 p.m.
IOOF, 1st and 3d, County Bldg., 8 p.m.
Ladies of Columbus, 2d, KC Hall, 7:30 p.m.
PTA (Burroughs), 2nd, Library, 7:30 p.m.
PTA (Elementary), 2d, 7:30 p.m., Murray.
Sage Sharks Diving Club, each, Com. Center, 7:30 p.m.
Quarter Midget, 2d, Com. Ctr., 7:30 p.m.
Sage Sharks Skin Diving Club, 2nd, Com. Ctr., 7:30 p.m.
Shrine, 3d, Amer. Legion Hall, 6:30 p.m.
Scottish Rites, 2d, County Bldg., 7:30 p.m.
Toastmasters No. 853, each, COM, 5:45 p.m.
Toastmasters, each, 52d and 4th, 6:30 p.m.
VFW, 2d and 4th, VFW Hall, 7:30 p.m.



NEW DESIGNATION FOR SEABEE OFFICER — Cdr. Irwin (Bud) Shull, Commanding Officer of the local SeaBees, pins new shoulder boards on his Executive Officer, Lt. Col. Paul Erickson, signifying the change from Line to the Civil Engineering Corps. Training Officer Richard Malone holds Erickson's old boards.

NOTS Conducted Survey Published By IRE Magazine

In a recent issue of IRE Transactions on Engineering Management, the role of the Government laboratory is discussed at length, disclosing the results of a questionnaire study conducted at NOTS by Eugene Walton, Management Analyst in Central Staff. Walton is currently studying under a Station Fellowship toward his doctorate at the School of Public Administration, USC.

Respondents in the survey were mostly physicists, general engineers, electronic scientists and mathematicians; the largest group having been employed for 6 to 8 years at this Station, and were chosen according to their income relative to age.

Interviewed about the role of the Government laboratory in the total American defense structure, their views understandably differed, but practically all agreed that the existence of the profit motive in the

Community Council Ratifies Staffs

At the January meeting of the China Lake Community Council, members ratified the establishment and staffing of various committees. It is intended that these directors serve as a nucleus for the committee structure only; they will be supplemented by other individuals from the general community listed below:

Public Relations— W. P. Mayne, chairman, J. W. Gardner, F. G. Wentink; **Medical Services**— J. G. Condos, chairman, Anna-Marie Gordon, F. Kinder; **Commercial Services**— E. A. Long, chairman, June Amie, G. Roberts; **Housing**— F. C. Wentink, chairman, J. G. Condos, E. A. Long; **Education**— W. K. Webster, chairman, R. Zuber, Hertha Wahlgren; **Entertainment and Cultural Resources**— R. Zuber, chairman, Anna-Marie Gordon, Hertha Wahlgren.

Recreation— J. Strommen, chairman, Mrs. Wm. Thorpe, W. P. Mayne; **Civil Defense**— F. Kinder, chairman, J. E. Smith, Mrs. Wm. Thorpe; **Civil Affairs**— R. Frederick, chairman, J. Strommen, A. Wiruth; **Ways and Means**— A. Wiruth, chairman, J. E. Smith, Georgia Bushnell; **Community Improvements**— G. Roberts, chairman, June Amie, Georgia Bushnell.

Liaison appointments were: Robert P. Biller for EMCO, John Gardner for Public Information Officer, and William K. Webster for the Ridgecrest Chamber of Commerce.

DESSERT ART LEAGUE brings distinguished artist, Albert J. Kramer to the Community Center next Wednesday, 8 p.m. as guest speaker. He will discuss casein painting and will demonstrate the technique for paper mosaics. Public welcome.

AAUW Study Group Meetings are scheduled as follows: Book Review—Jan. 16, 1:30 p.m. at 710-A Nimitz. Lorraine McClung will review "Advise and Consent"; Education—Jan. 18, 7:30 p.m. at 50-B Randolph. A discussion of foreign language in elementary schools is planned. Social and Economic—Jan. 17, 8 p.m. at 52-A Farragut. Topics arising from the controversial "Operation Abolition" will be aired.

OVERSEAS CLUB will meet Jan. 18, 7:30 p.m. in Room B, Community Center. Information on European and Scandinavian tours will be presented.

CL LITTLE LEAGUE meeting will be held at the Anchorage next Tuesday at 7 p.m. Officers, past managers and all interested persons may attend.

FRENCH LANGUAGE CIRCLE will hold its monthly social dinner meeting next Wednesday at 7 p.m. in the Sage Room of the Hideaway in Ridgecrest.

OXEN FOR MONEY
Some 900 years before Christ, the Greeks used oxen as money. A suit of gold armor cost 100 oxen.

What's Doing in Recreation

Cribbage Trophies Pegged for Tourneys

By Jean Cone, Recreation Director

The first cribbage tournament of the new year will be held in the Community Center lounge next Monday at 7 p.m. All Station adults are eligible to participate.

Four hand, partner Cribbage will be played. The winning team will receive individual trophies and their names will be engraved on a plaque which remains at the Community Center. The best three out of five games will determine the winner of each round.

Adult Station Dance
"The Esquires" will play for the coming adult Station Dance to be held Friday, January 27. Dance time will be 9 p.m. at the Community Center. Reservations are being taken for groups of eight or more.

Indian Museum
In response to several inquiries about the Antelope Valley Indian Research Museum, the following information is now available. The Museum is located on East Avenue M near 150th Street in Lancaster. It features exhibits which depict the culture of Southwest, Plains, Coast, Channel and Latin American Indians. Doors open Wednesday through Sunday from 10 a.m. to 5 p.m.; admission, 50 cents.

Centennial
The Eastern Centennial weekend celebration at Lone Pine will be launched tonight—the western theme prevailing. Richard Webb, star of TV's Border Patrol, will join the parade of dignitaries. Special exhibits include gems and minerals from Owens Valley and the famed '300 years of American coinage' loaned by collector C. H. Phillips. Of interest to the golfer, the Mt. Whitney Golf Club is sponsoring a weekend visitor's tourney.

Raft Club
The Raft Club is getting back into full swing after the holiday season. Tomorrow, the Junior and Senior Ballroom Cotillions will commence their sixth season and will be held twice monthly at the Club for ten sessions. The Raft Club's regular activities will be cancelled on these evenings.

The January dance will be held next Wednesday from 8:30 - 11:30 p.m. The Esquires will play your favorite tunes; refreshments and door prizes are planned. Paul Vaughn and the Royal Impalas will be back with us next month—more on that later!

Ping-pong and pool tournaments will commence Jan. 18-19. Sign up for these events at the office. Special awards are presented to monthly winners, and Snack-Bar prizes are given weekly.

The popular Snack Bar still has a "Happy Hour" each Tuesday and Thursday from 6:30 - 7:30 p.m.

Western in Color Wagon train passage is blocked by warring Indians. Famed Indian fighter arrives to find out source of trouble is liquor traffic. Scout falls in love with Chief's daughter and the train believes he sold them out. Action plus intrigue. Adults. SHORTS: "Fastest with the Mostest" (7 Min.) "Holiday for Champions" (10 Min.)

THURSDAY-FRIDAY JAN. 19-20
"INDIAN FIGHTER" (88 Min.)
Kirk Douglas, Elsa Martinelli
6 and 8:15 p.m.

Friday
"LOVE ME OR LEAVE ME" (122 Min.)
Doris Day, James Cagney
7 p.m.
(Blag. Drama in Color) Small time gangster "angels" a dance hall girl to stardom in Ziegfeld follies. He asks her to marry him, but she loves her pianist so the "hood" is too uncouth. Here's a roaring-ventures tale of the famed Ruth Etting. Adults-Young People. TUESDAY-WEDNESDAY JAN. 17-18
"TESS OF THE STORM COUNTRY" (84 Min.)
Diane Baker, Lee Phillips
7 p.m.

SATURDAY JAN. 14
CHILDREN'S FILM SOCIETY
10 a.m.
"An Ice Cream Dream," "Blue Warriors of the Pacific," "Sporting Wings," "Riot On Ice," "Disney Cartoon Parade No. 6"

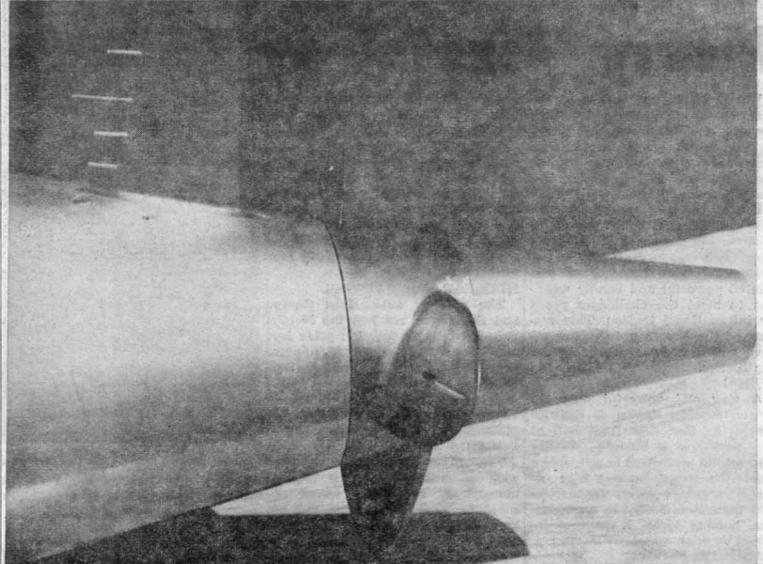
TODAY JAN. 13
"JOURNEY TO THE LOST CITY" (97 Min.)
Debra Paget, Paul Christian
7 p.m.
(Adventure in Color) Maharajah plans to marry a pretty temple dancer but his evil brother opposes to the throne and plans a revolt. American architect also falls for girl and is imprisoned. Very little costume and coolies of action. (Adults-Young People) SHORTS: "I Was A Teenage Mad" (7 Min.) "Two's A Crowd" (7 Min.)

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"LOVE ME OR LEAVE ME" (122 Min.)
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7 p.m.
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News From Pasadena



SUPERCAVITATING PROPELLER—Mounted on a field is carried on here by members of the PropulsiON afterbody, an experimental supercavitating sion Division. The device has undergone captive propeller is made ready for a test. Work in this operation at Morris Dam.

Pasadena Achieves Break Through In Solving 'Prop' Cavitation Barrier

A recent development in underwater propulsion is the supercavitating propeller, and NOTS has recently entered this field by successfully propelling a torpedo with such a device. The purpose of this propeller is to break through, and operate beyond, a cavitation barrier which arises in high-speed torpedoes.

To go back a little bit—One of the most critical components in a torpedo's propulsion system is the device used to produce the ultimate thrust for pushing the vehicle through the water.

In the past, several different types of thrust producers have been used, including conventional propellers, pumpjets, shrouded propellers, and high-speed hydrojets.

Each individual device typically has an area of application in which it excels over others. Nevertheless, all rotating propeller-type thrust producers have some limiting speed where the water pressure on the suction side of the blading drops to a point where bubbles or cavities of water vapor form.

This phenomenon is called cavitation and it is most undesirable with conventional propellers because of its adverse effect on propeller efficiency, noise generation, and blade surface erosion.

The supercavitating propeller, with a blade cross-section resembling a wedge rather than an airfoil, was developed to operate efficiently with a fully developed vapor cavity formed over the back of its blading.

To maintain the cavity formation as operating depth is increased, high-pressure air or other permanent gas can be injected into the critical regions through passage-ways in the propeller blades. This refinement is called ventilation.

Developed for surface vessel operation, the ventilated supercavitating propeller is a relatively new thrust producer. In the past, research and development has been restricted to towing basin and water tunnel experimentation under limited conditions.

It became apparent that a need existed for a test program that would expand present ventilated supercavitating propeller data to higher speeds and thrust loads, greater depths, and generally more realistic operating conditions for torpedo applications, and this is where the Propulsion Division of Underwater Ordnance Department came in.

Jack Hoyt, Division Head, with funding from the Office of Naval Research, began work to acquire such information. Paul C. Roberts, a senior engineer with the division, carried out the NOTS experimental program. A ventilated supercavitating propeller, designed and manufactured by the David Taylor Model Basin, was fitted to a NOTS

When the NOTS basketball team defeated the Pasadena Fire "A" team on January 6, they scored their fifth straight win of the season. The game got off to a slow start with NOTS trailing 26-22 at halftime. Then in the third quarter, they racked up 11 points to their opponent's 5, and 20-7 in the fourth for a final score of 52-28.

Station Crew's News

Congratulations to L. L. Webb, BM1 from Morris Dam, G. E. Shippe, EM3 from the MAA Force, J. A. Soriano, SHL3 of the Sixth Div., and E. E. Baker, CS2 from the Galley Div.—all shipped over for a six-year hitch. J. O. Ramsey, SKCA from the Commissary, reenlisted for four years.

Proficiency Pay awardees for January are: R. C. Barker, SFP2; R. B. Hallisey, ICI; E. M. Kaberlein, RM2; L. Liu, RM2, and D. W. Weaver, RM. R. S. Goodrich, AK3, received his advancement in time to celebrate the holidays.

RMC Soyring and OMC Struzik, both having completed over 20 years service, are looking forward to their tentative transfer to the Fleet Reserve. Struzik plans to go to school in San Diego, and Soyring will leave for Naples to join his wife currently employed there.

Speedy recovery to: Don Preuninger, PH3, M. L. Lewis, CS1, and K. T. Tingle, FN—all confined to the San Diego Naval Hospital.

Hello to: F. C. Henderson, MM1-P1 and A. Sheppard, SH2 now with the Commissary Division; C. D. Massey, MM2, and J. R. Fitzalund, MM3 with the First Div.; E. E. Duran, CS2, G. L. Gatzke, CSSN, and H. D. Stalnaker, GS1 with the Galley Div.; E. P. Fisher, ETC assigned to the Fourth Div. and J. H. Wedgewood, PH2 now with the Thirteenth Div. Welcome aboard—hope you enjoy your tour.



Spip

So long to: W. E. Austin who boarded the USS Sirius, W. E. Murphy left for an overseas tour, R. Putnam joined the USS John R. Craig, and Z. D. Hildreth is on the USS Ashtabula... happy cruising!

Lt. Viola was the recipient of a commendation for outstanding services during a recent Medical Department picnic. Congratulations Doe!

Promotional Opportunities

Current Station Employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Supervisory Mathematician or Physicist, GS-13, PD No. 33052, Code 3564. Position is that of Head, Data Reduction Branch. Duties include Administration and Technical Supervision; Technical Consultation and Planning.

Clerk (DMT), GS-4, PD No. 31496, Code 4574. Originates correspondence, routes and screens mail, files, makes travel arrangements, acts as receptionist, makes arrangements and prepares minutes for meetings and conferences.

Supervisory Administrative Officer, GS-12 or 13, PD No. 045077 or 31550, Code 4500. Advisor in regard to the financial, space, and personnel aspects of the technical plans. Formulation and development of policy, budgetary planning and fiscal control, direction of administrative actions, and devising methods for making feasible the overall technical planning of the Department.

Supervisory Chemical Engineer, GS-13, PD No. 045096, Code 4542. Position is Head, Explosives Applications Branch. Decides and develops broad scale individual programs such as conventional cast explosive loading, development, use of plastic-bonded explosives in

Driving Tip of the Week

Dusk is the most difficult time of the day for driving. As it becomes twilight, turn on your driving lights. No, not your parking lights—your low beam head lights! Give yourself every opportunity to be seen as well as to see.

Sports Slants

Varsity and Intramural Basketball Get Underway

The Station varsity basketball team plays its first home game of the season on Friday, January 20, against the Marine Corps Supply Center from Barstow. The NOTS

Blue Jackets	30	15
High single game: T. Swope 251; high single series: M. Coleman 600.		

Desert League	Won	Lost
Lucky Ones	28	14
Sumco	27	14 1/2
Nolos	25	17
High individual average: M. Coleman 178.		

Mixed Foursome	Won	Lost
Desert Motors		