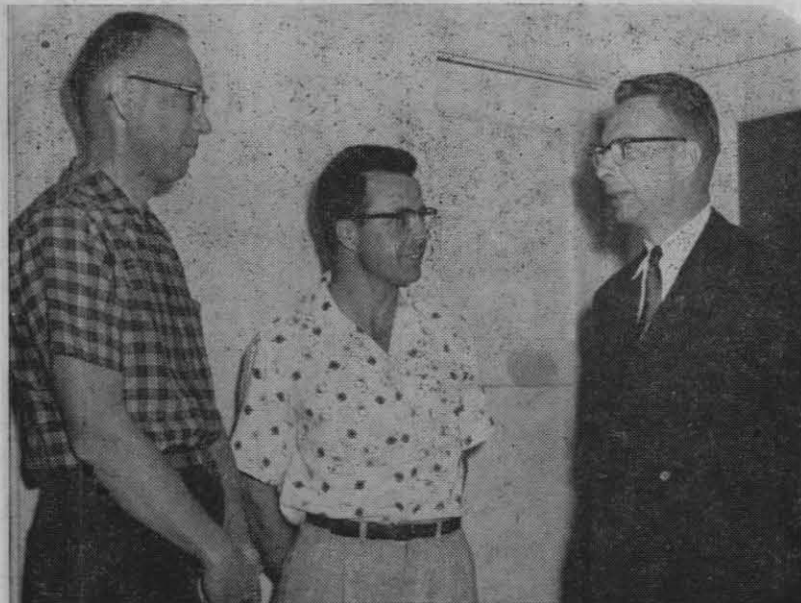


* Given High Honors *



FLEMING AWARD NOMINEES Dr. Ronald A. Henry (left) and Dr. Paul C. Buchanan (center) were congratulated this week by Robert W. Anderson, head of the Personnel Department, on being named as candidates from this Station. Final selection among Navy Department candidates will be made by the Navy Incentive Awards Board at Washington, D.C. Each year 10 Arthur S. Fleming Awards are made to young men in Government service who have shown unusual executive, technical and scientific ability.

Navy's Saratoga Near Completion

New York (AFPS) — The 60,000-ton carrier Saratoga, scheduled to be launched here in October, resembles her sister super flattop, the Forrestal, but there are some important differences.

The biggest improvement is in the design of much of the Saratoga's complicated machinery. Her propulsion mechanism will operate at higher temperatures and steam pressures.

She will develop more shaft horsepower than any vessel ever built for the Navy.

Like the Forrestal, the new carrier's island will be acoustically sealed to muffle external noises. She will have an enclosed bow, making for greater seaworthiness. An oxygen plant will make the ship self-sufficient in providing oxygen for her jet planes.

Navy Aircraft Get New Color Scheme

All aircraft designed and built by the El Segundo Division of Douglas Aircraft for the Navy are coming off the assembly lines with the new white and gray color scheme authorized by the Bureau of Aeronautics.

The familiar Navy blue is no longer being used on the AD Sky-raidors, A4D Skyhawks, A3D Sky-warriors and the F4D Skyrays assigned to carrier operations.

All Navy planes scheduled for carrier duty will be painted glossy white on the lower surfaces, and light gull gray on all other surfaces to provide better camouflage protection.

Indian Wells Valley UWFD Gets Go Ahead

Official Navy Department endorsement authorizing Navy commands to participate in 1955-56 United Welfare Fund Drives has been issued in a letter from Secretary of the Navy Charles Thomas. The letter was directed to all ships and stations.

Campaign headquarters at the Station for the Indian Wells Valley United Welfare Fund Drive have been authorized by Station Commander Captain F. L. Ashworth. The office will be located in Building 35—Housing Office building—according to Mrs. H. E. Tillitt, president.

China Lake Film Society Announces Next Movie

The next movie in the current series of the China Lake Film Society will be shown next Wednesday and Thursday.

Title of the opera-on-film is "The Medium" by the contemporary American composer Gian-Carlo Menotti, and stars Anna Maria Alberghetti and Leo Coleman.

Station employees who regularly park their vehicles in the large parking lot behind the housing office and personnel buildings and in the lot on the east side of the Chapel, are asked to use other facilities next Monday morning between the hours of 7:30 and 9:30.

A full dress Marine inspection has been scheduled by the Commanding Officer of the First Terrier SAM Battalion. The review will be held for the Marine Corps Inspector General.

Questions Answered

Clarify Source, Usage for NOTS Recreation Fund

Misunderstandings on the part of some Station residents concerning the disbursing of recreation funds on the Station has resulted in a request from Captain F. A. Chenault, Station Executive Officer, for an explanation of the source and use of the funds.

Most of the funds for the operation of the local recreation program come from proceeds derived from operation of the Navy Exchange facilities. However, 10 per cent of this profit must be sent to the 11th Naval District for the operation of their recreation programs throughout the District. Other sources of income are the theater, driving range, bowling alleys, snack bar and from contributions and donations.

Formulated by SSO

The estimated recreation fund budget for each fiscal year is formulated by the Special Services Officer over a period of approximately two or three months prior to its approval on July 1 by the Station Commander.

Regular expenses are paid from the fund through the special services officer; however, should large expenditures be required then it is taken up with the Recreation Committee. This group acts in an advisory capacity to the Station Commander.

Golf Course Fund Explained

There has been some misunderstanding concerning the allocation of some \$90,000 for the installation of a nine-hole golf course on the Station.

Money for the course is not coming entirely from the local Recreation Fund. A loan of \$70,000 was obtained from the Bureau of Naval Personnel, a gift of \$10,000 was received from the 11th Naval District Recreation Fund, and \$10,000 was allocated from funds which remained on hand from last year's operation of the local recreation program.

Loan From BuPers

In a sense, the \$70,000 loan from BuPers will come from the local Recreation Fund since it's strictly a loan, made for the express purpose of constructing a nine-hole course, and must be repaid from the Station's Recreation Fund at the rate of \$1,500 a month. If the money is not used for the golf course, it must be returned, according to LCDr. J. T. Waldron, Special Services Officer. The first installment was paid last week.

It is expected that the new golf course will be self-supporting in its operation.

TV Booster Station

Concerning the use of recreation funds for support of the Laurel Mountain television repeater station, Captain Chenault stated at a

recent meeting of the Employee-Management Council, "\$9,000 was allocated in the budget for the operation of the facility, however, at this time it appears that funds in the neighborhood of \$12,000 will be required by the close of the fiscal year."

Allocation of the aforementioned fund for the TV booster station is only sufficient for the day-to-day operation and does not include any large sums for emergencies. A major expense at the facility has been some \$250 per month for diesel oil used in the operation of the power generators. It is hoped that sufficient funds can be derived from a forthcoming drive to install a power line to the booster station area thus eliminating the major source of expense.

Approximately \$20,000 also has been allocated for the installation of a new lounge at the China Lake Community Center. The new facility will be open to all Station residents and their guests.

Immediate disbursement of the Recreation Fund is made by LCDr Waldron, who is custodian of the Recreation Fund and also a member of the Recreation Committee. Others on the committee include: Cdr. E. V. P. Horne, USN, senior member; Cdr. G. T. Weir, USN, Cdr. W. H. Lewis, USN, Lt. G. C. Peebles, USN, Captain W. G. Lutge, USMC, Ens. J. E. Winkler, USN, Richard C. O'Reilly, Maurice C. Lipp, Ty C. Blair, Robert R. Sizemore and Gaye Ritter.

RAdm. John E. Clark Is Missile Supervisor

WASHINGTON — Rear Admiral John E. Clark was named last week as the next director of the Navy's Guided Missiles Division in the Office of Naval Operations. He will relieve Rear Admiral John H. Sides, who has headed the top-secret outfit since March 1952.

Admiral Clark, who has had a hand in air missile work since 1947, is the Commander of the Guided Missile Test Center at Point Mugu.

Job Opportunities

Administrative Assistant, GS-7. Test Department. Some budget experience required. Call extension 71514.

Equipment Specialist (Auto), GS-5. Supply and Fiscal Department. Call extension 72218.

THE WEATHER

Mostly clear over the weekend. Light, variable winds increasing to 10 to 15 knots in the afternoons with gusts to 25 knots. Maximum temperature 90, minimum 55.

VOL. XI, NO. 38

U.S. NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIF.

TEMPERATURES (Housing Area)	
	Max. Min.
Sept. 14	91 70
Sept. 15	88 64
Sept. 16	83 63
Sept. 17	79 55
Sept. 18	82 48
Sept. 19	85 48
Sept. 20	91 49

NOTS Departments Will Change To New System this Monday

All Station departments will change to the new stock numbering system next Monday affecting about 20,000 items in daily use, according to a statement issued this week by Captain R. L. Myers, Supply and Fiscal Officer.

"Beginning on Monday," said Captain Myers, all stub requisitions for items generally known as standard 'G', local 'GL' and non-standard 'JL' material in the stores of the Supply and Fiscal Department will be prepared with the new Federal stock numbers instead of the old Navy stock numbers. Each stub requisition will be limited to one line-item."

The entire Navy Department at all of its shore stations and on all of its ships will have completed the same changes by October 1, the statement continued. It also will take place throughout the entire military establishment, including the Army, Air Force and eventually all departments of the Federal Government.

Purpose of the change, Captain Myers pointed out, is to give each one of millions of items used in national defense and by the Government the same identifying number, name and description. In the past some items had as many as 16 different numbers assigned to them by various components of the armed forces and other governmental departments. The new number or 'language' will replace this. "It will be a tremendous advance in logistic support," said Captain Myers, "making possible the cross-utilization of available material by any of the armed forces in peace time or in a theater of action during war. NOTS is only a segment of this nation-wide change."

Need for the universal numbering system was recognized by President Franklin D. Roosevelt during World War II and was given the personal interest and support of Secretary of the Navy Forrestal during his term in office.

Supply and Fiscal Department personnel have been working day and night for the past several months revising stock record bat-

(Continued on Page Five)

Chief of BuOrd Classification Here



NOTS CLASSIFICATION DIVISION workers have been working closely with Marie Carey (second from left seated), chief of classification for the Bureau of Ordnance, for the past two weeks. The group is shown here reviewing classification procedures, they are (l. to r. seated): Nancy Arnold, division secretary; Marie Carey; Nathan Snapp, head, wage and classification division; Rudy Sausser, classifier, and Douglas Scott, classifier. In the back row (l. to r.) are: Bob Nelligan, classifier; Arthur Maxwell, classifier, and Carter Miller, assistant wage and classification division head.

Navy's Skyhawk, Air-to-Air Sparrow Underwent Various Tests Here at NOTS

Two national defense weapons—one a bantam jet bomber and the other a guided missile—which were given various tests here at China Lake, were in the news spotlight over the nation this week. The two units were the "Air-to-Air Sparrow," a guided missile with unlimited potential, and the "A4D1 Skyhawk," the smallest Navy aircraft capable of carrying an atom bomb.

630 Miles Per Hour

In announcements from Washington, Navy spokesmen this week told the press that the "Skyhawk" can fly faster than 630 miles an hour and is a light jet bomber which has successfully undergone carrier trials



A4D "Skyhawk"

aboard the USS Ticonderoga in the Atlantic.

Flown by Shoemaker

The bantam bomber, flown by company test pilot Calvin Shoemaker, was given extensive testing here at NOTS during March and April of this year. It was put through its paces in practice landings on the simulated carrier deck at NAF. It was launched and recovered by the catapult and arresting gear mechanisms which were constructed here for testing purposes.

Guided Missile 'Sparrow'

The Navy Department revealed in Los Angeles that the new guided missile "Sparrow" at the Rocket Society exhibition. This missile was tested on NOTS aircraft ranges during the past year. The Station, however, did not create the weapon.

News accounts stated that the "Sparrow" is 12 feet long and is built to be fired from aircraft to destroy airborne targets.

'EMCO' Discusses TV Booster Station, Recreational Funds

Financial support of the television repeater station on Laurel Mountain by public subscription and by the Station Recreation Fund were the main topics at the Employee-Management Council meeting September 14.

Discussion about maintenance of the TV station brought a statement from Captain F. A. Chenault, Executive Officer, that all persons sending in contributions to the TV fund may be sure that the money goes directly toward the TV station support, but he said such contributions meet only a fraction of the operating costs.

Funds for Booster Station

It developed that the Recreation Committee had budgeted \$9,000 this year toward these operating costs. "This, together with the contributions are essentially enough to keep the station going on a day-to-day, hand-to-mouth basis," Captain Chenault said. "If an emergency happens, we wouldn't have funds available to meet it."

Station Still Experimental

He stated that the Federal Communications Commission still considers the station as experimental, even though it is felt here that it is a going concern. "Nobody as yet has found any way to use appropriated funds for its maintenance, although we are continuing to explore this field," he said. He added that no practical way had been found to support the station through popular subscription.

"Our station is a unique installation that is being watched with great interest by people in Washington, D.C.," he concluded.

The Recreation Fund, it was stressed, is not an appropriated fund, but is made up from the profits of certain activities on the Station.

Other Topics Discussed

Among other topics discussed at the meeting, which was led by Robert Duguid, EMCO chairman, was the reported responsibility of drivers using government vehicles. Considerable concern was expressed about individuals being liable for such vehicles, or damage to other

(Continued on Page Four)

Rocketeer

Published every Friday at the
 UNITED STATES NAVAL ORDNANCE TEST STATION
 CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY
 Commander

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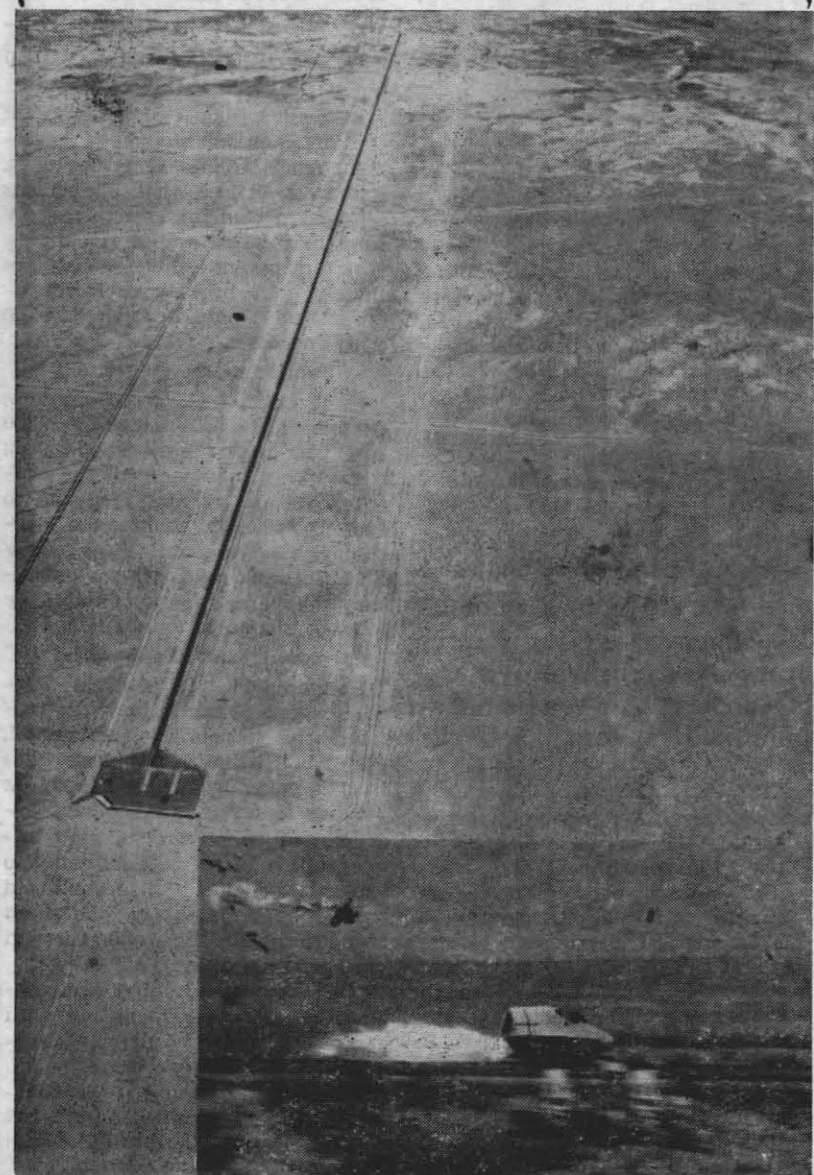
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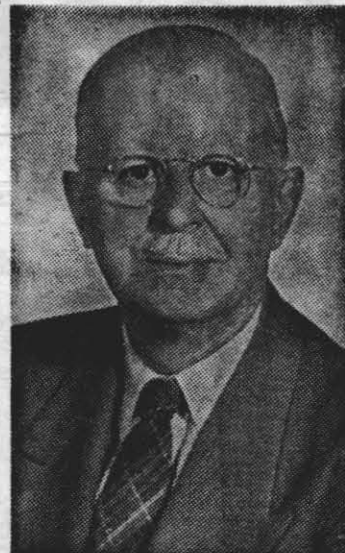
Office: Building 35, Top Deck — Telephone 71354, 72082, 71655

World's Largest SNORT!



UNMATCHED PERFORMANCE of the Supersonic Naval Ordnance Research Track (SNORT) at NOTS will be detailed by W. D. Drinkwater, operations consultant, next Monday during the High Speed Track Symposium in Hollywood. Representatives of test tracks will attend the three-day event at Hotel Knickerbocker, the third day being spent at Edwards Air Force Base. Besides Drinkwater's talk, other Station participants will be B. R. Egbert, "Armament Testing on High Speed Tracks," and B. W. Pike, "The SNORT System for Measuring Sled Position and Time." The track is 4.1 miles long and its rails weigh 171 pounds per yard to withstand the speeds and weights of sleds passing over them. Between the rails is a trough of water used to stop sleds before they reach the end of the track.

Noted Lecturer



World Traveler Here To Start Fall Series

R. K. Loyde, noted lecturer and world traveler, will be the first speaker to appear during the Fall Lecture Series of the NOTS Adult Education Program. The fall series is titled, "Prospects for Peace in the Lands of the Pacific." Loyde's lecture, "Problems of the Pacific," will be illustrated by a colored movie film and slides.

The series begins Oct. 4 and will take place in the Station theatre. Registrations will be made at 8 p.m. Tuesday night.

The lecture and film will cover trips to Alaska, Japan, Formosa, Hong Kong, Portugese Macao, Bangkok, Siam, Singapore, Indonesia, Island of Bali, Australia, New Zealand, Fiji Islands and Hawaii. In these visitations thousands of miles were traveled; 24,000 by air and 1,500 by boat, bus, taxi, and jinrickshaw.

Generation Away from Cannibalism
 Studies were made of the different peoples and you will see in the film that some of these are only a generation away from cannibalism. Cultures and crafts will be shown and explanations made of their particular problems.

Java and Madura Problems
 For example, the islands of Java and Madura which are about one-third the size of this state have a population of 60-million people. This is the most densely populated area in the world, while only 350 miles away is Australia with an area nearly equal to the United States with not more than one person per square mile.

Hunger Prime Motivation
 The lecturer will discuss the areas where "hunger" is the prime motivation for loyalty to the government; in other areas "religion" may be a dividing point in loyalty from the citizenry. These and other problems will be Loyde's topic of discussion.

More than 40 per cent of today's 47 million American families have savings in United States Savings Bonds.

New Parking Plan For 'Michelson Lab' Is Effective Today

Recent changes in parking arrangements have been made near the southeast and north entrances of Michelson Laboratory. These arrangements are outlined below.

a. Parking is restricted in the entire area adjacent to the southeast main entrance as follows:

1. Reserved coded spaces are to be used only by individuals to whom the spaces are assigned. No other parking is allowed.
 2. Individuals having Michelson Laboratory "B" stickers are permitted to park without time limit along the uncoded reserved spaces marked "Reserved B" on the south curb, and also in the east end of the center parking area painted green.

3. The west end of the center parking area, painted white, is reserved for those having business in the laboratory, but the time limit there is one hour between these periods: 7:45 to 11:15 a.m. and 12:45 to 4:15 p.m. Outside of these hours this area may be used for a passenger loading zone.

b. At the north entrance to the laboratory, all spaces along the north fence are reserved coded spaces to be used only as assigned. Ten spaces painted green marked "Reserved B" across from the north entrance are reserved for all base personnel having Michelson Laboratory "B" stickers.

Training Class Set By Personnel Dept.

A training class for draftsmen will be initiated soon in the product and production engineering division of the Engineering Department. Applicants will be given a written test and those who qualify will be interviewed by the employing department.

It is expected that four trainees will be selected for the next class. They will begin as Engineering Draftsmen—GS-1, \$2,690 or GS-2, \$2,960 per annum—with the grade level depending on the number of high school courses which the individual may have had and which can be substituted for actual experience.

Drafting or illustrating experience is desirable but not required, provided the applicant has had high school courses in mathematics and physical science. Interested personnel should file Form 57 with the Personnel Department, Code 6535, by September 30.

Washington (AFPS) — By the end of 1956 the Navy is expected to have 1000 ships in the active fleet, 101 less than last year's total. However, the number of warships will remain the same—approximately 400—with the cut being made in support vessels.

THEY WORK AROUND THE CLOCK! Life, Death, Injury Are All in a Day's Work for Station Rescue Squad Men

Listings of "unsung heroes" might well include the men of the Station Fire Department's rescue squad, judging from their past record in dealing with emergency cases where human life was involved. "Rolling" on every emergency call received by the local fire fighters is every-day routine with these men who have but one thought in mind and that is the preservation of human life and doing everything within their power to assist the injured until medical help arrives.



ROLLING on every emergency call received by the local Fire Department is every day routine for the men of the fire and rescue squad.

"The men of the rescue squad are carefully selected and trained for this particular type of work. They must be steady, and above all have the knowledge and understanding to act swiftly in any emergency involving human life and at the same time make the right move at the right time since a delay of even a moment or two might well defeat their purpose for being at the scene," Fire Chief A. C. Wright stated. "It is understandable that some individuals are not suited to this type of work since they are disturbed by the sight of blood or serious injury."

An outstanding example of the training of the rescue squad men is the one involving Ernest Bumgarner. Last June 14, during his off-duty hours, Bumgarner was attempting to remove a TV antenna from a neighbor's roof. Using a safety belt, Bumgarner was up on the tower when a guy wire broke and the tower collapsed. Landing on his back on the roof resulted in a fracture of the spine and hospitalization for a long period of time. The job of the rescue squad was to remove him from the roof without incurring further injury and according to a statement by Dr. Max Dubin, a physician at Ridgecrest Hospital, the training of the men stood them in good stead. "The patient was handled extreme-

ly carefully as was evident by the excellent condition in which he arrived at the hospital. The handling of the patient, from the time of injury until he appeared at the hospital was very commendable and contributed considerably to the immediate welfare of the patient and the outcome of his condition," Dr. Dubin stated. Dr. Dubin is a Fellow of the American College of Surgeons and has had considerable experience in working with such cases.

A great tribute was paid to these men by Bumgarner when he stated that "Words cannot express my feelings for these men; they were very courteous and conscientious in their work and if it were not for their ability, I might well have been a 'wheel chair case' for the rest of my life." Bumgarner is now out of

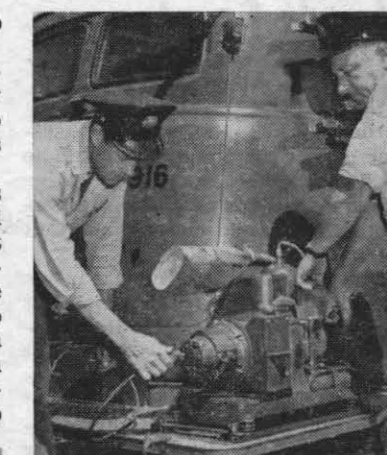


A DEMONSTRATION in the use of the portable resuscitator carried by the fire and rescue truck is given by Fire Chief K. T. Faust, left, William LaCombe, operating the oxygen supply bottles, and John Nevey, shown demonstrating the use of the resuscitator's mask. "Victim" for the demonstration was Mrs. K. T. Faust, who offered to assist the men during the training session.

the hospital and has returned to work.

This is only one of the many emergencies handled by this trained crew who stand ready 24 hours a day to help you retain the most precious gift of all—your life.

The local Fire Department was formed in 1944 and the rescue squad came into being in 1945. Since that time the "red panel truck" has attended every emergency call made by the department, since there is no way of knowing when an alarm comes in just what the situation may be when the fire fighters arrive. Only one man is assigned to



POWER SUPPLY for the rescue truck is self-contained in the event the vehicle must be used in any remote area. Through this portable generator power can be furnished for the two-way radio and the two-powerful search lights located on the rear of the truck. Checking the generator are William LaCombe, left, a fireman, and John Nevey, engineer.

the rescue truck when it leaves Fire Station No. 1, then, after arriving at the scene additional trained personnel are detailed to work with the driver if the conditions require it.

Included in the equipment of the rescue truck is a resuscitator, for use in asphyxiation cases, various types of masks for use by the firemen, complete first aid facilities, oxygen bottles, jacks, bolt and wire cutters, shovels, cleaning equipment and even a battering ram, for use in knocking down walls. Many other items also are included within the truck's equipment, making it possible for the crew to render all possible aid pending the arrival of a physician.



RESCUE TRUCK EQUIPMENT is checked daily to insure that everything is operating properly and is in good repair. Each driver, when he is assigned to the vehicle for a shift must make this check and report that the truck is "in service" and ready. Inspection of the

equipment has just been made by William LaCombe, left, Capt. Frank Brady, Fire Chief K. T. Faust, and John Nevey, engineer. Facilities for coping with almost any emergency are carried in the vehicle and there is no doubt that capable hands will use them.

What's Doing

Sunday

Adult Bible Class, 9:30 a.m., Groves School.
Skeet Club, 10 a.m., Ridgecrest Field.

Monday

NOTS Toastmasters, 6:15 p.m., Flowers Cafe.
United Fund, 4:45 p.m., Community Center.
Barber Shop Singers, 7:30 p.m., Community Center.
Junior Rifle Club, 6:30 p.m., VFW Hall.
NOTS Badminton Club, 7 p.m., Station Gym.
Rockhounds, 7:30 p.m., Rockhounds' Hut.
DAV Auxiliary, 7:30 p.m., Rowe St. School.
Order of Eastern Star, 8 p.m., Masonic Temple.
Explorer Post No. 504, 8 p.m., Scout Hall.

Tuesday

Fire Fighters Association, 6:30 p.m., Community Center.
Cub Scouts, Pack No. 15, 7 p.m., Community Center.
Community Council, 7:30 p.m., Community Center.
Rotary Club, noon, Village Cafe.
Chi Rho Club, 7 p.m., Og Cuman Hut.
Rifle Club, 7:30 p.m., Hut 308, Old Contractors area.
Sea Bee Reserves, 7:30 p.m., Rm. 2067, Michelson Lab.
Lions Club, 7:30 p.m., Village Cafe.
Civil Air Patrol, 7:30 p.m., tower, Inyokern Field.
Women of the Moose, 8 p.m., Moose Hall.

Wednesday

Fire Fighters Association, 6:30 p.m., Community Center.
Job's Daughters Fashion Show, 8 p.m., Community Center.
AAUW Home Arts Study Group, 8 p.m., Community Center.
PTA Mothersingers, 9:30 a.m., Hut 71, Burroughs High School.
Troop 35, 6:30 p.m., Scout Hall.
Troop 3, 6:30 p.m., Scout Hall.
Troop 41, 6:30 p.m., Scout Hall.
Masons, 7 p.m., Masonic Temple.
CAP Squadron 82, 7 p.m., Hut 301, Rowe St. School.
IAM Auxiliary, 7:30 p.m., County Bldg.
Naval Reserve, 7:30 p.m., Rm. 2067, Michelson Lab.
Blue Angels Auto Club, 8 p.m., Old Navy Locker Bldg.
6515 Army Reserve, 8 p.m., Rm. 2067, Michelson Lab.

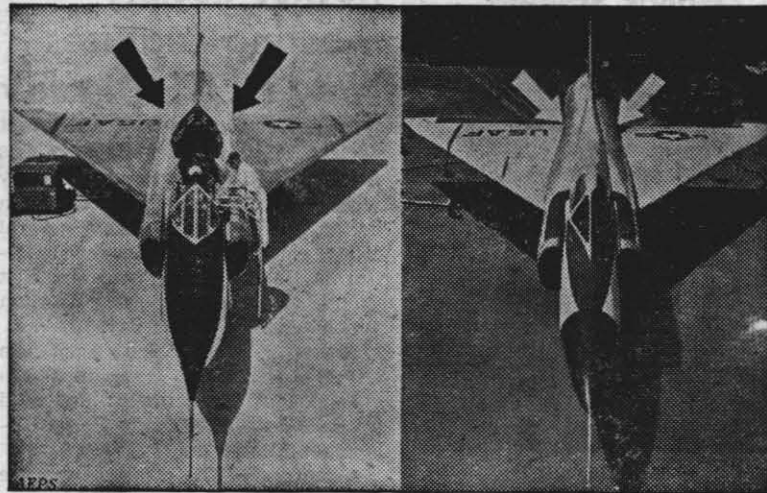
Thursday

Desert Sports Officials Association, 6 p.m., Training Bldg.
Great Books Group, 7:30 p.m., Community Center.
China Lake Photographic Society, 8 p.m., Community Center.
Desert Dancers, 8 p.m., Community Center.
Red Cross, 12:30-4:30 p.m., Station Hospital.
Squadron 503, 7 p.m., Scout Hall.
Dust Devils Auto Club, 7 p.m., Legion Hall.
Pistol Club, 7:30 p.m., Hut 308, Old Contractors area.
Air Force Reserve, 8 p.m., Rm. 2067, Michelson Lab.
Elks of Valley, 8 p.m., 731 China Lake Blvd.
Athletic Club, 8 p.m., Training Bldg.
Sandblasters Motorcycle Club, 8 p.m., Sandblasters Hut.
Desert Falcons Motorcycle Club, 8 p.m., Ralph's Cycle Shop.

Turn Your Ideas Into Extra Money

Every time you are awarded a Benny Sugg it means money in your pocket in more ways than one. It saves the activity money, it saves the Navy Department money and it saves you, the taxpayer, money. Try your luck at this great program. Do it today!

'New Look' in Modern Aircraft Design



"Girdle" Build Revealed As Plane Speed Secret

WASHINGTON (AFPS)—The government has revealed that "pinching in" the waist of aircraft increases their supersonic speed by as much as 25 per cent and makes it easier for them to hurdle the sound barrier.

Heretofore, a closely guarded military secret, this relatively simple but far-reaching innovation in design was announced here by the National Advisory Committee for Aeronautics.

The aircraft's fuselage is pinched inward in the area where it is joined to the wings. This change, as tested on modified Navy Grumman F11F-1 and Air



Starting Times: 6 and 8 p.m. daily
Kiddies' Matinee (Special Movies)
1 p.m. Saturday
Matinee: 1 p.m. Sunday

TODAY SEPT. 23

"KING RICHARD AND THE CRUSADERS" (113 Min.)
Rex Harrison, George Sanders

SATURDAY SEPT. 24

"MARTY" (90 Min.)
Ernest Borgnine, Betsy Blair
Shorts: "Old Shell Game" (7 Min.)
AFSR No. 521 (18 Min.)

MATINEE
"SUNSET IN THE WEST" (67 Min.)
Roy Rogers
Shorts: "Puppy Tale" (7 Min.)
"Capt. Africa Adv. No. 7" (18 Min.)

SUN.-MON. SEPT. 25-26

"STRATEGIC AIR COMMAND" (114 Min.)
James Stewart, June Allyson

TUES.-WED. SEPT. 27-28

"NOT AS A STRANGER" (135 Min.)
Robert Mitchum, Olivia DeHavilland

THURS.-FRI. SEPT. 29-30

"TO HELL AND BACK" (107 Min.)
Audie Murphy
Shorts: "Dog Gone Cats" (7 Min.)

Superintendent's Notes

By DR. EARL MURRAY
Superintendent of Schools

Reading readiness is the stage of development in the life of the child when he is ready to get meaning from printed symbols without experiencing unpleasant or injurious results. Introducing a child to reading before he is ready to read often defeats the very purpose of reading. It creates a distaste for reading and sets up an inhibition to reading.

A few decades ago the compulsory school laws permitted a child to enter school at the age of six years. He was not compelled to enter before the age of seven or even later. The compulsory age of attendance in California is still eight years, yet almost all of our children enter the first grade at the minimum age, which is five years and nine months.

In the decades past there were few kindergartens and little transportation, so that children trudged to school through wind and snow, and many parents tended to keep their children at home a year longer than they now do. The home experiences gained by living on the farms or in small villages were richer than those enjoyed by the present generation. They had more chores to do, and they had more physical exercise in their early childhood.

The result is that first graders now are six months or more younger than were the first graders of a few decades ago. Even in 1925 in California the number of pupils retained in the first grade was one pupil in six and 99% of these were rated as failures in reading.

That is the reason why so much study, effort, research, and experimentation has been carried on by educators and psychologists to improve the reading process. It is evident that the so called "good old days" in reading never existed.

Aside from developing changing methods in the instruction of reading, a reading readiness program has been developed which is a very important part of beginning reading. This program of reading readiness and beginning reading will be discussed in future articles.

Red Cross 'Home Nursing' Classes Postponed 'Til 56

The "Home Nursing Classes" originally scheduled for Tuesday, Sept. 27, have been cancelled until sometime in February of 1956, according to Jane LaRosa, Red Cross nursing chairman.

The cancellation is due to the great need for Red Cross nurses on the East Coast to assist with the the recent floods and hurricanes medical care of families caught in that have wreaked havoc in many eastern states.

Force Convair F-102A jet fighters, was found to reduce very greatly the sharp drag rise which occurs during the severe buffeting interval between 600 and 800 mph.

Richard T. Whitcomb, research scientist for the NACA, is credited with the discovery. He began work on it in 1951.

He found that the drag rise was vitally related to the amount of cross section area of a plane's fuselage and wing. By sucking in the plane's waist, it was learned that the cross section area of fuselage and wing combined becomes the same as it would be for the streamline fuselage alone.

The new principle, called the area rule, will be applied to the Navy's F8U-1 interceptor soon to go into production. It is likely to be applied widely in other aircraft as well.

Local Moose Club Member Receives Fellowship Degree

Secretary of the local Moose Club, Ivan Stuart, was the recipient of a fellowship degree during inspirational and colorful rituals taking place at the 22nd Annual California Moose Association Convention which was held in Richmond, California, Sept. 14 through 19. Other members in attendance were Governor Rae Leonard and "Del" Rollingson.

Women of the Moose were represented at the convention by Sr. Regent Jean Rollingson and co-worker Helen Stuart.

DID YOU KNOW?

... A Beneficial Suggestion if adopted can earn you as much as \$300 locally, \$5,000 if usable throughout the Navy, or even \$25,000 if used throughout Government.



THE PASADENA ANNEX Security Guards Pistol team examines the bull's eye which they hope will encircle all of their shots in the forthcoming Eleventh Naval District Pistol Team Tournament. Members of the team are Woodrow Upshaw, Anthony Stec, Sgt. Harold Lakes, and Acting-Sgt. Domingo Sanchez.

Annex Guards Pistol Team Prepares For 11ND Shooting Tournament

Security Guards on the Pasadena Annex Pistol Team are currently sharpening up their shooting eyes in preparation for the Eleventh Naval District Pistol Competition Tournament. The contest, to be held Sept. 27 at Camp Mathews, San Diego, will feature the top Navy civilian guard teams in the District.

Featured on the Annex team are Sgt. Harold Lakes, Acting Sgt. Domingo Sanchez, Woodrow Upshaw, and Anthony Stec. The annual competition stages both team and individual matches, conducted in accordance with the National Rifle Association Pistol rules.

Domingo Sanchez has placed among the top 12 competitors for the last two consecutive years while Woodrow Upshaw placed among the high-scoring dozen in 1953. The sharpshooters sighting in for top twelve honors win permanent trophies while the winning team is

HAND TOOL SAFETY STRESSED

In spite of increased mechanization, hand tools still account for about eight percent of all disabling work injuries, according to Jack Campbell, Annex Safety Officer. He stresses four points for the practice of hand-tool safety: (1) use the right tool for the job at hand, (2) Keep tools in good condition, (3) Use tools in the proper manner, and (4) keep tools in a safe place.

Cause of most hand-tool accidents is usually inattention; either the user was in a hurry, or was careless with an implement with which he thought he was familiar.

NAVY NEEDS RESERVISTS

The Navy has sent out a call for inactive reserve officers to volunteer for extended active duty tours.

News from Pasadena

P808 Swim Party Slated for Tonight

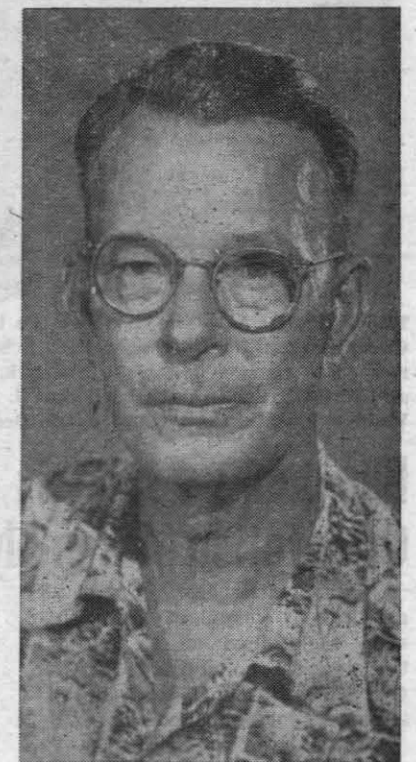
The development division (Torpedoes RAT, MK 43 Mod I) has planned a swim party for tonight at Wagner's Recreation Center, 1350 North Foothill Boulevard. The outing will start at 6 p.m. and will conclude at 11 p.m. after an evening of swimming and a potluck dinner. Personnel in P808 have been asked to bring table service, plates, utensils, and milk (if desired).

Reservations can still be made by notifying any branch secretary. The cost is \$1.00 for an adult and 50 cents for children under 13.

The committee in charge of food and entertainment consists of Hal Yost, Marlene Boberick, Mildred Burkey, Bill Burlem, Margaret Kaa, Jim Easton, and Virginia Cortese.

As a vital unit of the Joint Hurricane Warning Service, the Navy has performed low-level hurricane reconnaissance in the Atlantic.

revolvers and fire some 30 rounds in the ballistics bout.



NEWEST MEMBER of "Man of the Month" organization is John Lee, machinist in P809 Shops. He was selected for productivity, interest, and morale contribution.

John Lee Named Man of the Month

John Lee, machinist in the product engineering shops, has been selected as the current "Shop Man of the Month". An 18-year Government employee, John Lee has been with the Pasadena Annex since 1950. He came to NOTS from the Long Beach Naval Shipyard and prior to that was at Pearl Harbor working for the Army and Navy.

Mr. Lee is also a Navy veteran of World War I and the ninth selection for the "Man of the Month" program which started this year.

Other shop personnel honored in this competition are Norman Reider and Ralph Jones for January, Walter Brown, James Cruickshank, William Shealy, Robert Grau, Hubert McCammon, and Edward Sterkel.

Shop employees are selected for the honor according to personal attitude, creation of good morale, productivity, useful ideas, safety consciousness, and adaptability.

SAL TAIBIS' ADOPT TWINS

Sal Taibi, toolmaker in the shops, and his wife Nathalie Mary, have adopted a pair of three-month-old twins and have named the boy and girl, Michael Gene and Tonie Lee. Although most parents barely survive the lack of sleep with one baby in the house, Sal seems to be thriving and his only comment was, "We don't get around much any more."



TOM SHORT, Public Works painter, displays the latest portrait resulting from his spare-time efforts with the brush. Tom is a newcomer to the portrait painting hobby and uses photographs for guides instead of living models.

Annex Painter Takes Busman's Holiday

Wielding a four-inch paint brush during working hours is a lot different from precision spotting with a small camel's hair brush, but Tom Short, painter in Public Works, finds portrait painting in spare-time hours relaxing, after a day of maintenance painting.

Without formal instruction, Tom is finding each portrait easier and each finished canvas better. Usually working from a photo-

Burroughs Football Schedule Slated To Open Tonight



1955 PEP SQUAD—Shown above are the newly elected Cheer Leaders for Burroughs High School. In the front row (l. to r.) are: Margaret Kraynyk, Jackie Ambrose and Pat Whitley. In the back row (l. to r.) are: Sallye Walden, Bonnie Cotner and Diane Deem.

1955 SONG LEADERS chosen by the Student Body and pictured above (front row l. to r.) are: Janice Joslin, Charlotte Menard and Charlotte Jockish. In the back row (l. to r.) are: Barbara Yost, Norma Ives and Joy Westcott.

First Tilt Against Antelope Valley Starting at 8 p.m.

"I hesitate to make any prediction as to the outcome of tonight's game since this will be my first chance to see the team under fire, however, I believe that we will have a good ball club this season," Coach Rod O'Meara commented today when questioned on the prospects for the 1955 Burroughs football squad.

Since the opening of school Coach O'Meara has been drilling the boys with emphasis on fundamentals of the game. O'Meara's offensive during the 1955 gridiron wars will be the single-wing as opposed to the Split-T used last year under Coach Robert Meeder. Under the system to be employed this year the quarterback is used as a blocking back and the signal calling falls to the left halfback. The fullback is then a spinning back.

The tentative starting line-up for the opening game tonight will be: **LE—Pete Spooner; LT—Dee Davis; LG—Bill Standard; C—Gary Vandevender; RG—Bill Davis; RT—Don Wright; RE—Jim Lloyd; RH—Clay Carroll; LH—Roger Short; QB—Mike Ross; and FB—Gary Koehler. Vandevender and Dee Davis are the only non-lettermen in the starting line-up.**

The average line weight for the opening game tonight against Antelope Valley will be approximately 165 pounds. A change from last year's line is the switching of Don Wright from center to right tackle.

Season tickets will go on sale tonight at the Kelly Field box office priced at \$3.00. The pasteboards will entitle the holder to admission to nine games and represent a savings of approximately \$3.75 over individual game purchasing.

'Fighter Squadron' Writes Appreciation

Fighter Squadron 194 Commanding Officer H. P. Steeper, in a recent letter to NOTS Commander Captain F. L. Ashworth, has commended this activity for its "cooperation and technical assistance" in the expeditious allocation of working spaces and equipment during a deployment of that command. "It was indeed a pleasure to work with an organization where a sincere 'can do' spirit and willingness was so evident."

"Fighter Squadron 194 wishes to express their appreciation to all China Lake departments for their capable assistance during this deployed period."

Temple Announces Religious Schedule

The schedule for the Hebrew Temple for Sunday and Monday is as follows: Sunday 7 p.m., Kol Nidre; Monday, 9 a.m. Yom Kippur; 11 a.m. Yiskor (Memorial Service); 5 p.m., Neila (Conclusion).

Employee-Management Meeting...

(Continued from Page 1)
vehicles in collisions. The matter will be investigated.

The question of filling job vacancies with Station personnel brought from R. W. Anderson, head of the Personnel Department, the answer: "We want to hire persons best qualified for such vacancies. This inevitably leads to an advantage to Station employees whose records are immediately available, or to persons previously hired here."

Statement of policy is being drafted for consideration in the matter of limiting to six months the employment of persons on late work shifts. Details are to be worked out by each department for overall consideration, it was stated.

Opinions by employees on housing administration were discussed,

and a group was suggested to consider housing regulations as they exist. EMCO would like a voice in making recommendations on policy establishment, it was declared.

Representing Station management, besides Mr. Anderson and Captain Chenault, was H. G. Wilson, associate technical director. Employee representatives were W. T. Johnson, Supply and Fiscal Department; L. F. VanBuskirk, Test; R. G. Sampson, Rocket; A. L. Koch, Propellants and Explosives; George Hucek, Public Works; Madeline Smith, Technical Information; and Howard Auld, National Federation of Federal Employees.

Present also were Muriel Adams, vice chairman of EMCO; LeRoy Jackson, executive secretary, and Barbara Rice, recording secretary.

Burroughs Students Hold Annual Orientation Assembly at Theater

School-sponsored extra-curricular activities at Burroughs High School were highlighted at an assembly this week sponsored by the Pep Club, the Student Council and the California Scholarship Federation.

Under the direction of the Pep club, nine cheerleader candidates and five song-leader groups sparked student cheering and singing in individual tryouts before the student crowds at Kelly Field. Students cast ballots to select six cheerleaders and two song-leader groups from the contestants.

Plenty of Competition

Cheerleader candidates introduced by Davidena Fisher included Pat Whitley, Darlene Lynn, Margaret Kraynyk, Nancy Hunter, Sallye Walden, Diane Deem, Jackie Ambrose, Alice Cotner and Nancy Braham. Song-leader teams included Charlotte Jockisch, Charlotte Menard, Janice Gosselin, Joy Westcott, Norma Ives, Barbara Yost, Edna and Ellen Read, Linda Costello, Arlene Smith, Patty Adams, Madelyn Douglass and Virginia Bishop.

Student Activities Told

Explanations of the Student Council functions and the use and sale of student activity cards were made by Jim Eslinger, vice-president of the Student Council.

In a program arranged by the California Scholastic Federation, student representatives from the various school clubs and organizations gave brief discussions of their groups detailing membership requirements, activities, and meeting times.

Student Reps

The student representatives were introduced by Gary Reynolds, vice-president of the CSF. Delegates and their respective organizations included: Suzanne Hough, Pep Club; John Booty, Tennis Club; Barbara Mussler, Library Club; Clay Carroll, Bachelors' Club; Joan Weston, Assembly Committee; Elizabeth Pike, Art Club; Michael Barta, Dramatics Club; Nancy Newell, El Bur-

ro Annual Staff; Cheryl Goode, Future Teachers of America Club; Joyce Kirby, Foreign Languages Club; Myrna Carter, Girls' Athletic Association; and Dennis Clemente, CSF.

Master of Ceremonies for the orientation assembly was France Adamson, president of the student body.

Ground Breaking Slated Wednesday

Next Wednesday has been designated as the date for ground-breaking ceremonies celebrating the start of construction on 300 new Wherry Units, according to officials of the China Lake Housing Corporation.

The P. I. Wilsey Co., of Long Beach, a general contracting firm will construct the units which will cost approximately \$2,400,000. Barring the possibility of extensive bad weather, the contractors expect to deliver the first units ready for occupancy by the end of next April.

Complete details on the opening ceremony next Wednesday were not available at press time.

Site for the new units will be generally west of the present Desert Park homes and will include three new north-south streets broken up into three blocks each by extensions of the existing east-west thoroughfares in Desert Park.

Final plans call for the construction of 30 four-bedroom homes, 150 three-bedroom dwellings, and 120 with two bedrooms. Rentals will be \$92.75, \$82.75, and \$72.75, respectively.

St. Michael's Church Changes Schedule

St. Michael's Episcopal Mission will resume its morning church services next Sunday at 11 a.m., according to Rev. F. E. Stillwell. Holy Communion at 7:30 a.m. and Sunday School at 9:30 a.m., however, will continue at the usual hours.

Technical Calendar Activities Include Variety of Events

Activities off-Station of interest to local personnel during the month of October include a wide variety of subjects in many localities. The schedule is as follows:

- Eleventh Annual Electronics Conference, Hotel Sherman, Chicago, Ill., Oct. 3-5.
- Society of Motion Picture and Television Engineers, semi-annual meeting, Lake Placid Club, Essex County, New York, Oct. 3-7.
- World Plastics Fair and Trade Exposition, National Guard Armory, Los Angeles, Oct. 5-9.
- Optical Society of America, Hotel William Penn, Pittsburgh, Pa., Oct. 6-8.
- Electrochemical Society Meeting, Pittsburgh, Pa., Oct. 9-13.
- "Aeronautical Materials," Society of Aeronautical Engineers, National Meeting, Los Angeles, Oct. 10-15.
- Vacuum Technology, 2nd Annual Symposium, Mellon Institute, Pittsburgh, Pa., Oct. 13-15.
- Electrical Insulation Conference, sponsored by NAS-NRC, Pocono Manor, Pa., Oct. 17-19.
- Pacific Coast Management Conference, Regional meeting, Berkeley, Sept. 18-20.
- American Society for Metals, Philadelphia, Pa., Oct. 17-21.
- Eighth Annual Gaseous Electronics Conference, G-E Research Laboratory, Schenectady, N.Y., Oct. 20-22.
- First Annual Technical Meeting, Institute of Radio Engineers, Washington, D.C., Oct. 24-25.
- American Mathematical Society, College Park, Md., Oct. 29.

Electrical Fires Named No. 2 Hazard

By Fire Chief A. C. Wright

The second greatest cause of fires during the year 1954 was due to the misuse of electricity. Individuals who bypass a circuit breaker, install "jury rig" wiring and the like, in most cases do not realize the almost inevitable result of such actions. Electrical circuits, properly installed and fused, are for your protection and safety and should be respected.

Station Manual Annex 12-2, states: "No electrical circuits shall be altered or overloaded except by the authority of the Public Works Department maintenance personnel. Electrical wiring shall not be run nor leads taken from fixtures unless authorized and the work done by the maintenance electricians."

Let us all here at NOTS remember that each alteration or addition to an electrical circuit is liable to give fire a place to start.

The Rocketeer welcomes news items; call 71354 or 72082.

Honor Student



Jerry Hough

Jerry Hough, son of Mr. and Mrs. Ralph Hough, 206-B Mitscher, recently graduated Magna Cum Laude from Harvard University, according to word received this week. Valedictorian of the Burroughs High School Class of '51, Jerry majored in government while at Harvard and for four successive years received one of the university's national scholarship grants.

During his years at Burroughs High School Jerry received numerous awards in scholastics and activities including the Veterans of Foreign Wars Essay Contest Award, Lions Club local and district speech contest awards and the Bank of America Achievement Award.

Hough plans to enter the diplomatic service and left this week to attend the regional studies in Soviet Unions at Harvard. This program leads to a Master of Arts degree.

'Times' Columnist Praises China Lake

Bill Henry, noted columnist with the Los Angeles Times, last Wednesday devoted his column to his impressions of the Station and its personnel.

Depicting the Station as a "secret" installation where entrance for visitors may only be attained "on the coat tails of some such expedition as the recent Navy League "visit," he launched into glowing terms regarding the buckrogerish items of ordnance invented and produced here and covered everything from the Aeroballistics Laboratory to his opinions on the residents of the area.

"It has, next to Bakersfield, the most thriving school district in Kern County and an intelligence quotient like no place else in the world. In-yokern is chock full of Phi Beta Kappas. A community of comparatively young people, it has perhaps by force of circumstance but also by choice developed a tremendous community spirit which shows itself in such diverse activities as the astonishingly active parent-teacher organization and in a homemade, community-supported booster station on a nearby mountain which brings Los Angeles TV programs into the desert homes."

Rocket Society Meeting Features New NOTS Display

A meeting of the American Rocket Society at the Statler Hotel in Los Angeles this week was attended by some 500 Society members from across the nation including several NOTS personnel. The Southern California Rocket Society was the host group for the three-day session which ended Wednesday.

James P. Judin, head of the NOTS Instrument Operations Division, Test Department, delivered a paper entitled "Missile Range Instrumentation" on Tuesday.

A feature of the meeting was the first showing of a new display on the 2.75 inch folding-fin rocket. Coordinating the NOTS display was Ray Sinnott, of the Technical Information Department.



Included among the many dignitaries present for the meeting were Dr. William Bolly, president and technical director of the Aerophysics Development Corporation, of Santa Monica, and Dr. Chester M. McCloskey, chief scientist in the Office of Naval Research, Pasadena, who also president of the Southern California Rocket Society.

Daylight Saving Time Ends This Sunday

This Sunday at 2:01 in the morning you will get back the hour which was lost last April when Daylight Saving Time went into effect. Officially, the change-over will be made and the State of California (and NOTS) will revert to standard time.

All clocks and watches should be turned back one hour. Transportation schedules within the State—railroads, airlines, buses and others—will adjust their travel to the new time.

New Numbering...

(Continued from Page 1)
teries, and warehousing material to conform with the new system. Informal talks by department representatives have been held throughout the Station.

"During the conversion of records and systems the employees of the department have accomplished the whole task without interruption of service to the Station," Captain Myers concluded.

Station Computer Branch Employees Deliver Addresses

Four Station employees—all members of the computing branch, Research Department and a former employe were guest speakers at a national meeting of the Association for Computing Machinery held last week at the University of Pennsylvania, Philadelphia, Penn.

The lectures, and the individuals presenting them, were:

- "A General System for Handling Alphermic Information on the 701 Calculator," by Bruce G. Oldfield and Robert H. Bracken.
 - "How to Solve Simple Problems Economically on a High Speed Digital Computer," by Bruce G. Oldfield.
 - "Producing Computer Instructions for the PACT Project I Compiler," by Robert C. Miller and Bruce G. Oldfield.
 - "A General Curve Fitting Subroutine for Transcendental Functions," by Robert H. Bracken.
 - "Computation of Components for Logarithmic Networks on a High-Speed Digital Computer," by Robert C. Miller Jr. and Ralph G. Selfridge.
 - "A General Least Squares Differential Correction Curve Fitting Program," by John O. Lilly.
- Oldfield was a member of the computing branch at the time the program was drawn up but since then has terminated.

BIRTHS

- Boys**
- Crumley, Tommy Wayne, 5 lbs., 14½ ozs., Sept. 14, at the Station Hospital to GS3 and Mrs. Thomas J. Crumley, 1115 3rd Place.
 - Carstens, Alfred Emiro, 7 lbs., 11 ozs., Sept. 13, at the Ridgecrest Hospital to Mr. and Mrs. David Carstens, 1300 Knox Road.
 - Regelson, Kenneth Lee, 8 lbs., 11½ ozs., Sept. 14, at the Ridgecrest Hospital to Mr. and Mrs. Ephriam Regelson, 308-A Tyler.
 - Vance, Darrill Bruce, 6 lbs. 11 ozs., Sept. 15, at the Ridgecrest Hospital to Mr. and Mrs. Lyman G. Vance Jr., 55-C Card St.
- Girls**
- Harrington, Cynthia Kaye, 6 lbs., Sept. 8, to Mr. and Mrs. Floyd Harrington, 438 Eaton.
 - Kee, Delores Faye, 4 lbs. 8 ozs., Sept. 20, to Mr. and Mrs. Ray Kee, China Lake Trailer Court.
 - Dudley, Roxanne Elizabeth, 6 lbs. 13½ ozs., Sept. 17, at the Station Hospital to Sgt. (USMC) and Mrs. Donald H. Dudley, 645-D Prefab.
 - Hunter, Elaine Marie, 7 lbs. 5 ozs., Sept. 16, at the Ridgecrest Hospital to Mr. and Mrs. Marvin Hunter, 606-D Prefab.
 - Farmer, Catherine Bernice, 7 lbs 8 ozs., Sept. 16, at the Ridgecrest Hospital to Mr. and Mrs. James E. Farmer, 57-A Ellis.