

Outstanding Work Performance



GLORIA T. CAREY receives a \$200 Superior Accomplishment Award from Dr. I. E. Highberg, head of the Test Department. Witnessing the presentation is R. A. Appleton, head of the Projectile Range Division in which Mrs. Carey is employed.

Civil Service Director John W. Macy Gives Extensive Incentive Awards Report

"Incentive Awards—A New Force In Your Government" was the subject of a talk given by John W. Macy Jr., executive director of the U.S. Civil Service Commission. The talk was presented at a meeting of the National Association of Suggestive Systems in Cincinnati, Ohio, early this month.

Some of the big factors contained in the speech were as follows:

"We have recently completed a comprehensive Government-wide report on the progress made under the new program during the first 7 months that it has been in effect—from November 30, 1954 to June 30, 1955—and I want to give you some of its highlights.

"If you would like to know how fast we are piling up results, I can tell you that during the period covered by the report, one employee suggestion was submitted every half minute. One suggestion was adopted every two minutes.

"One superior performance award was granted every 20 minutes. And the dollar value to the Government of adopted suggestions and superior performance averaged \$34,358 every hour.

"Over the 7-month period, 138,000 suggestions were received; 35,000 suggestions were adopted; 3,850 superior performance awards were granted; cash awards to employees totaled \$1,519,462; and the taxpayer benefited to the tune of \$40,724,215.

"The Government's record of 76 suggestions received per 1,000 employees during the 12 months between July 1 1953 and June 30 1954, was very poor. I am glad to say that, figured on an annual-rate basis, the number of suggestions submitted by employees under the

new program increased by 34 per cent. The adoption rate continued to be about one in four, proving that the increase in the number of suggestions did not result in lower quality. The amount of awards to employees for adopted suggestions increased by 26 per cent. And the dollar benefits to the Government from adopted suggestions increased by 35 per cent.

"This is, I think, an impressive record—and it is all the more impressive when you consider that the program is still gaining momentum. The increasing rate of employee participation will be reflected in more benefits as cases are processed in greater numbers. Moreover, we have not yet felt the full impact of the employee contributions that have already been adopted. Many employee suggestions continue to yield benefits for many years, and it is only the first-year benefits that are included in our figures."

The following is a listing of Beneficial Suggestion awards made at NOTS during the month of October:

- \$95 Award
Victor F. Castaneda—Propellants and Explosives.
- \$75 Award
Carl R. Grim—Public Works.
- \$70 Award
Raymond R. Halcomb—Public Works.
- \$65 Award
John F. Cleveland—Public Works.
Gaylord Smith and Harold L. Moore (\$32.50 each)—Supply and Fiscal.
- \$60 Awards
Udell R. Prescott—Propellants and Explosives.
M. P. Rabb—Propellants and Explosives.
- \$55 Awards
Eula M. Rode—Supply and Fiscal.
- F. W. Dauterine—Public Works.
- \$30 Awards
Amos Buford Nichols—Public Works.
H. C. Smith—Public Works.
- \$25 Awards
Louis Thomas—Engineering.
M. B. Thomas—Public Works.
- \$15 Awards
Lester P. Bolton—Public Works.
Elsie J. Maxwell—Propellants and Explosives.
Carl E. Paulsen—Public Works.
- \$10 Awards
Frank N. Fowler—Public Works.
Wash Nichols—Public Works.
Doris H. Valitcka—Supply and Fiscal.
Beulah Glidewell—Supply and Fiscal.
- Raymond G. Shield, Jr.—Propellants and Explosives.
- Helen R. Redenbach—Public Works.
- F. W. Dauterine—Public Works.
Joseph M. Bryan—Public Works.
Jacke Karan—Public Works.
Leslie R. Sproul—Public Works
and Joseph M. Bryan—Public Works.

Interrupt 'Electric Service' Sunday

The California Electric Power Company will place new facilities in operation on November 20, that will ultimately provide more power for China Lake. The change-over will occur during the hours between 8 a.m. and 1:30 p.m. Sunday, and will affect the Station in two ways.

From 8 to 1:30, China Lake will be supplied electrical power by a temporary arrangement at the Inyokern substation. This will not have sufficient capacity to carry the normal Sunday power load of the Station, therefore NOTS must reduce its power usage by approximately 25 per cent to prevent overloading of the temporary circuit.

From 1 to 1:30 p.m. there will be a total interruption of service as the final tie-ins are completed. Full loading can be resumed when service is restored.

Station residents are requested to cooperate in reducing non-essential power usages from 8 a.m. to 1 p.m. and to be prepared for a complete shut-off of service between 1 and 1:30 p.m. Sunday.

Form Reserve 'Typist Group'

A reserve group of GS-2, GS-3 Clerk Typists and GS-3 Clerk Stenographers is being formed to substitute for regular employees when they are on leave and to help out during periods of peak workloads. Such services may be required for periods ranging from one week to several weeks according to Fred Dille, acting head of the Employment Division.

The GS-2 salary is \$2,960 per annum, the GS-3 is \$3,175. These rates may be adjusted upwards in cases of former Government employees. Eligibility for the positions will be determined through scheduled written tests.

Persons wishing to establish eligibility for these jobs should contact Norma Lopez, Code 6526, Ext. 72069. All applicants will be notified when the tests are to be scheduled.

Church Services Scheduled Nov. 24

A union Thanksgiving service, sponsored by all protestant churches throughout Indian Wells Valley, will be held Thursday morning, Nov. 24, at 10 a.m. in the Station Chapel.

The Reverend Charles R. Simmons, pastor of the Ridgecrest Community Methodist Church, will give the Thanksgiving message. Various other ministers of the local area will also participate in the service.

A choir, composed of members of the various participating churches, will sing the anthem entitled "A Hymn For Thanksgiving."

Following the service there will

Science Club Hears Talk by Dr. Hunter

A discussion of the physical sciences by Dr. Hugh W. Hunter, Head, Central Staff, and a field trip to the Redlands University Science Day were highlights this week of the Burroughs High School Science Club program.

Detailing the important fields of scientific research today, Dr. Hunter told the student group of the necessity for training more people to assume these vital research duties. Scientific interest and training must be begun in grammar school and carried on through high school and college, the research planner stated.

Dr. Hunter also mentioned the possibility science contemplates of replacing present fuel supplies with solar energy and atomic energy and of increasing the water supply from the oceans.

Sixteen students attended the annual Science Day conducted by the University of Redlands which featured various science demonstrations and tours of the campus and laboratories. A science quiz program in which all visiting students participated, completed the day long program.

Sponsors of the touring students were John A. Donnan of the Burroughs High School science staff and Lloyd Brubaker of Burroughs Junior High School.

be a free-will offering taken for the American Bible Society.

Arrangements have been made for opening the Main Gate to off-Station residents who wish to attend the service. A visitor's pass may be obtained from the Marine sentry on duty.

The public is cordially invited to attend.

TEMPERATURES (Housing Area)	
Max.	Min.
Nov. 10	86 41
Nov. 11	77 54
Nov. 12	66 41
Nov. 13	62 42
Nov. 14	55 40
Nov. 15	54 33
Nov. 16	52 30

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United Fund Drive Cash, Pledges Total More Than \$20,600

A preliminary total of \$20,650 in cash and pledges was reported by Robert C. Nelligan, treasurer of the United Fund Campaign, at a meeting of the organization's board of directors last Monday afternoon at the China Lake Community Center. This represents receipts from approximately 3,000 donors.

George Todd, chairman of the drive, stated that he expects the total drive to reach between \$23,000 and \$24,000 when all returns have been tabulated.

Although all figures have not been totaled, Mr. Todd also predicted that this year's drive is a big success in that all local agency budgets will be supported 100 per cent as compared to about 41 per cent last year. "It remains to be seen to what extent the budgets of national agencies affiliated with the local drive will be supported," he added.

Mrs. H. E. Tillitt, president of the United Fund Board of Directors, urges that the public remember that their continued cooperation is necessary in order to more fully implement the United Fund concept in the Valley. Having given generously through the United Fund, it is the right of every citizen to answer any further solicitations in the fields of health, welfare or recreation, with "No thanks, I give the United way and that covers the field."

Next Monday's meeting of the board of directors will be on community planning. Interested individuals are invited to attend.

Use It or Lose It
NOTS employees having more than 30 days annual leave must use that leave between now and the first of the year or lose it. Such employees are urged to arrange for the taking of annual leave on the Friday following Thanksgiving and on the four work days between Christmas and New Year.

Superior Work Recognized



SUPERIOR ACCOMPLISHMENT AWARDS of \$200 each were presented recently to three employees of the Propellants and Explosives Department by Quentin Elliott (at left), head of the department. Witnessing the presentation were C. M. Havlik (second from left), acting head, propellants development branch, and H. A. Taylor (at far right), head, Test and Evaluation Division. Recipients of the awards were Alvin L. See (third from left), Jean C. Cote and E. L. Moon.

A Thanksgiving Prayer

By CHAPLAIN J. L. CARTER

Most Gracious God by whom our nation hath been established in freedom and preserved in union; in this feast of harvest we thank Thee for the fruits of the earth. We thank Thee also for Thy favor shown unto our fathers, and Thy faithfulness continued to their children; for the rich land given us for an inheritance, and the great power entrusted to the people; for the fidelity of men set in authority and the peace maintained by righteous laws; for protection from outward dangers; and deliverance from inward strife. Keep Thou our nation beneath Thy care, and guide the State according to Thy will; and Thine shall be the glory and the praise and the thanksgiving, from generation to generation. Amen.

Thanksgiving Services

Thanksgiving Day Services for members of the Christian Science Society of China Lake will be held in the Chapel Annex Thursday morning, Nov. 24, at 10 a.m.

Newly Elected Council Slates First Meeting

Fourteen precinct representatives were chosen to serve on the China Lake Community Council in the annual election held December 8.

A total of approximately 350 ballots were cast during the election, in which 33 candidates were vying for 15 Council vacancies.

The newly elected councilmen will meet at a joint session with the present council members on Tuesday, Nov. 22 and will be on their own at the following meeting, Dec. 13, at which time officers for the coming year will be elected.

Hold New Election

Due to an unusually light vote in Precinct Six, which resulted in a tie between Joseph Holl and George Silberberg, the Council has voted to hold a run-off election on November 29. In addition to Silberberg and Holl, James Runcey will also be listed again as a candidate.

The polling place will be at the Council's offices, 301 Parsons. Voting will take place between 3:30 and 5:30 p.m. on the date listed.

Boundaries
Precinct Six is bounded by the following streets: On the north by Ellis, on the west by Lauritsen, on the east by Renshaw, Independence, Farragut and Parsons, and on the south by Langley.

Those Elected

Successful candidates were:
Precinct 1—Robert A. Ragsdale, who edged out Maurice J. Curtis by just one vote; Precinct 2—W. E. Vore; Precinct 3—N. W. Hartman, 2-year term, and Joseph E. Wojacki, 1 year; Precinct 4—Mrs. Sophia Goff, 2 year term, and Hershel Hicks, 1 year; Precinct 5—J. H. Baxby, 2-year term, and William C. White, 1 year.
Precinct 7—Raymond A. Harrison, 2-year term, and Henry G. Nowak, 1-year; Precinct 8—Robert T. Merriam, 2-year term, and Charles E. Van Hagen, 1 year; Precinct 9—Edward E. Barham; and Precinct 10—Whitney P. Reeve.

Why S-D Day?

This year, as last, the purpose of S-D Day is to show that motorists and pedestrians can reduce traffic accidents by their own actions. The first S-D Day, last December, produced a reduction in the national toll of deaths and injuries, and in the number of accidents, as against the comparable day in 1953. For the second S-D Day, everyone in every State and community will be asked to join in bringing about a much greater reduction.

S-D Day 1954 demonstrated that the place to attack the traffic safety problem is in the community, and that the responsibility rests upon each individual.
S-D Day 1955 will further implant in the minds of all motorists and pedestrians the realization that, if they can greatly reduce accidents on one day, they can do so every day of the year. It will call attention dramatically to the importance of year-round support by every individual.

Rocketeer

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UNITED STATES NAVAL ORDNANCE TEST STATION
CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY
Commander

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F. E. LANEY

Editor

Margery Ross, Annex Correspondent (Foothill, phone ext. 35); Art by Illustration Group, Technical Information Department; Photographic Processing by Rocketeer Photo Staff—James McFarland, PH3, H. E. Dremann, PH1.

Office: Building 35, Top Deck — Telephone 71254, 72082, 71655



AWARDS WERE MADE by Cdr. F. R. Whitby Jr., (right) head of the Command Administration Department, recently to members of his department for a beneficial suggestion and length of service. Fire Chief A. C. Wright (left) received \$30 for a suggestion that will aid fire apparatus in entering fenced areas; Fireman Harold T. Espenlaub received a pin for 20 years in federal service; T. H. Kelly, head of Command Administration staff, received a 5-year service pin, as did Mrs. Catherine Childs.

1300 Miles Under the Sea

San Francisco, Calif. (AFPS)—Details of a "history-making" early cruise of the Nautilus, the Navy's first nuclear-powered submarine, were revealed here recently by Rear Adm. Hyman G. Rickover, assistant chief of the bureau of ships for nuclear propulsion.

On this cruise, which took place last May, the Nautilus, steaming totally submerged all the way, traveled more than 1,300 miles from New London, Conn., to San Juan, P. R., in 84 hours, he reported.

Among the long-standing records that were broken, Adm. Rickover said, were:

1. The greatest distance ever steamed underwater.
2. The longest period any U.S. sub ever cruised completely submerged.
3. The first time any submerged combatant sub maintained a speed of almost 16 knots—which the Nautilus averaged for the entire trip—for more than one hour.

"This cruise of the Nautilus has demonstrated that all previous concepts of the length of time required by submarines to reach distant patrol areas must be drastically revised," he declared.

Adm. Rickover called the Nautilus the most "deadly" sub afloat, and said "her impact on naval tactics and strategy may well approach that of the airplane."

'Children's Society' To See Disney Film

"Treasure Island", Disney's 90-minute film classic in color, starring Robert Newton and Bobby Driscoll, will be shown to members of the Children's Film Society in the Station theater tomorrow at 10:00 a.m. Because of the length of this film no cartoons will be shown.

Inasmuch as the going gets a bit rough in places, it is recommended that pre-school children not attend this showing.

Membership cards may be purchased as usual in the lobby before the performance. Parents are admitted free when accompanied by a member, and are urged to attend all showings.

Personnel Department Head Tells of Technical Leadership

The article that follows was written expressly for the anniversary edition of the Rocketeer, however, due to press deadlines the article did not appear as part of the edition. Because it tells a vital part of the Station's history and discusses a most important problem, it is published in its entirety.

By Robert Anderson

Perhaps the most important problem the Station has faced over its history is the maintenance of a continuity of strong technical leadership. Naval leadership is provided through the assignment of regular officers to the Station.

All of these men are engaged in a career service which offers them the opportunity for continuous training in new assignments; from the Station's point of view the Naval system provides a succession of officers who have had extensive education and training in Naval careers before they come here.

It is a notable fact, however, as Dr. William B. McLean has pointed out, that the position of Technical Director is the first position in the whole management structure which is filled on a semi-permanent basis and can be expected to provide a continuity of leadership with particular attention to the long-range development of the technical program. Every position above the Technical Director in the management chain is filled on a short term, either by a Naval Officer, by an elected official, or by politically appointed officials like the Secretary of the Navy.

It is essential that a stable leadership group be established on the Station to provide for the development of long term goals and continuous prosecution of them, if the Station is to work effectively.

The Station enjoyed unreasonably good fortune in obtaining as its first Technical Director, Dr. L. T. E. Thompson. Dr. Thompson had a combination of abilities which made him an ideal person for the job. He organized a Research, Development and Test Organization which comprised all the technical work on the Station in 1945 and 1946. He used five immediate assistants.

In a staff capacity there were Dr. Pauline Rolf, who is still on the Station as Associate for Weapons Analysis in the Weapons Planning Group, and Captain John Hayward as Experimental Officer, now Commander of the Naval Ordnance Laboratory, White Oak, Maryland. He had three line departments: the Science Department under Dr. Wallace Brode, an Explosives Department headed by Dr. Bruce H. Sage, and an Experimental Operations Department headed by Dr. Arthur H. Warner.

In the course of a few years, this organization and leadership altered radically. All the top management group departed, and the number of technical departments tripled. The Science Department developed into the Research, Engineering, and

Technical Information Departments. The Explosives department developed into the present Rocket Development Department and the Propellants and Explosives Department. It had also included the work of the Salt Wells Pilot Plant, which was dropped in 1954.

The Experimental Operations Department developed into three departments also: Underwater Ordnance Department, Aviation Ordnance Department and Test Department. These changes in organization produced new demands for managerial talent to operate the enlarged organization.

Dr. Thompson left the Station in October, 1951, to become Vice-President of the Norden Laboratory in White Plains, New York, and consultant on ordnance to the Secretary of Defense. He was succeeded by Dr. Fred W. Brown. Dr. Brown came to NOTS from North American Aviation and served first as Associate Head in the Underwater Ordnance Department and then as Associate Technical Director as deputy in charge of internal operations.

Dr. Brown established the Central Evaluation Group under Dr. Sidney Browne as a means of introducing operations research procedures into the planning of Station technical programs. This function has proven to be indispensable in making on courses of action which can profitably be pursued by the Station.

All of these changes had occurred over the course of eight or nine years. Then 1954-1955 saw almost a clean sweep of the personnel in top management positions. The Technical Director and Associate Director and all Heads of Technical Departments except Dr. Shenk in the Research Department left the Station or were promoted to new positions. The Station was faced with the requirement of filling anew its top technical positions.

This was a real test of the Station's capacity to develop managerial talent. It was possible to meet the demand and to fill the positions with capable men. In Pasadena, Donald W. Steele became Head of the Underwater Ordnance Department. Mr. Steele had worked in the Research Division of the Underwater Ordnance Department and had spent a year at MIT under a Sloan Fellowship.

He returned to work first in the Manufacturing Division of Design and Production Department, and then as Head of the Propulsion Division of Underwater Ordnance Department. In the Aviation Ordnance Department, Dr. Newton E. Ward succeeded to the Head of the Department from his former position

(Continued on Page 6)

Marines Celebrate 180th Birthday

Colorful Festivities Part of Nation-Wide Observance of Marine Corps Founding

The 180th anniversary of the founding of the United States Marine Corps was celebrated by Marines stationed here at NOTS, and their guests, Thursday evening, November 10. The celebrations were part of a nation-wide observance honoring one of the country's finest fighting units and dedicated to the ideal that "Freedom is worth fighting for."

Three parties were held: one by the officers of the 1st Terrier Surface-to-Air Missile Battalion and the Marine Barracks; one by the enlisted personnel of the Marine Barracks; and one by the enlisted personnel of the 1st Terrier Surface-to-Air Missile Battalion. Guest of honor at the

Marine officers party was NOTS Commander Captain F. L. Ashworth. NOTS Executive Officer Captain F. A. Chenault was guest of honor at the 1st Terrier SAM Battalion and the Marine Barracks.

Congratulations

Speaking from a Naval officer's point of view, both Capt. Ashworth and Capt. Chenault congratulated the Marines on their fine record of service to the nation. Capt. Ashworth told Marine officers that it was gratifying to know our nation had, in peace or war, an organization such as the Marines; an organization with a military record second to none in the world. Capt. Chenault told Marine enlisted personnel that it was a pleasure and a privilege to be the guest of honor at this 180th anniversary of the founding of the Marine Corps and that the Marines could well be proud of their organization. He wished them well and challenged all present to carry on the great traditions that mark the present day Marine Corps.

Color Guard Ceremonies

Outstanding among the many activities which marked the local celebrations were the fine color-guard ceremonies presented at each of the three parties. Flags flourished, bugles blew, swords flashed and the Marines smartly presented their colors before their commanding officers, guest of honor, and their guests.

Evening Gowns Swirl

Approximately 2,000 guests were in attendance for the activities. Ladies in complementary colored evening gowns that swirled in picturesque fashion were escorted by Marine, Navy and Air Force personnel, all of whom joined in celebrating the 180th birthday of the Marine Corps.

Army to Grocery Shop For Navy, Air Force

Washington (AFPS)—The Army is going to do the grocery shopping for the Navy, Air Force, and Marine Corps.

The Defense Department has put into effect a new plan under which the Army will be responsible for everything having to do with food for the other services.

The plan, covering far more than food, calls for a single service to buy and distribute any given military item, filling the needs of all services.

Don't guess—be sure that it's locked.



PREPARATIONS for celebrating the 180th anniversary of the U. S. Marine Corps are shown being made by enlisted personnel of the Marine Barracks. A variety of festivities were planned and designed to appropriately mark the passing of another year into the annals of the Corps.



FIRST TERRIER SAM BATTALION enlisted personnel celebrated the 180th birthday of the U. S. Marine Corps recently at the China Lake Community Center. A dance and merry-making followed.



CAPT. F. A. CHENAULT (right), Station Executive Officer, and Lt. Col. Norman Posinsky, commander of the First Terrier SAM Battalion, take part in the Marine Corps birthday ceremonies.



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

TODAY NOV. 18

"MAGNIFICENT MATADOR" (94 Min.)
Maureen O'Hara, Anthony Quinn
Shorts: "Pixie Picnic" (7 Min.)
"The Big Test" (10 Min.)

SATURDAY NOV. 19

"DADDY LONG LEGS" (126 Min.)
Fred Astaire, Leslie Caron

MATINEE

"THE LOST TRIBE" (72 Min.)
Johnny Weismuller
Shorts: "Floor Flusher" (7 Min.)
"Capt. Africa Adv. No. 15" (17 Min.)

SUN.-MON. NOV. 20-21

"HOUSE OF BAMBOO" (102 Min.)
Robert Ryan, Robert Stack
Short: "King Salmon" (9 Min.)

TUES.-WED. NOV. 22-23

"ARTISTS AND MODELS" (109 Min.)
Martin and Lewis
Short: "Square Shooting Square" (7 Min.)

THURS.-FRI. NOV. 24-25

"GUNPOINT" (80 Min.)
Fred MacMurray, Dorothy Malone
Shorts: "Sing Hi Swing Lo" (9 Min.)
"AFSR No. 523" (20 Min.)

Changing Personnel

(Continued from Page 2)

as Associate Head. When the Test Department Head position became vacant, it was filled by Dr. Ivar E. Highberg. He had come to the Station as a Mathematician in the Research Department and had become first Branch Head, and then Division Head in the Ballistics Division.

The formation of the Rocket Development Department and Propellants and Explosives Departments from the former Rocket Department in August 1954 brought forth Mr. Harold H. Patton and Gershom A. Makepeace. They had formerly been heads of large development divisions. They in turn are being succeeded by Dr. Howard Wilcox from AOD and Mr. Quentin Elliott of the Propellants Division.

Department Moved

The Engineering Department moved from Pasadena to China Lake and Mr. K. H. Booty became Head of that Department. Mr. Booty had long been associated with the engineering functions of the Station and had for the past couple of years served as chief production engineer. In June, 1954 the Technical Information Department was formed, and placed under the leadership of Mr. Kenneth H. Robinson. Mr. Robinson had served as head of test and services under Dr. Sage in the early days of the Station and had also served as Associate Head of the Explosives Department (Salt Wells Pilot Plant) under Mr. Paul Longwell.

Dr. Hugh W. Hunter became Head of Central Staff. He had served on Station projects in California Institute of Technology days and later moved to China Lake as Head of the Technical Division of Central Staff, served as Associate Head of the Research Department, then moved to the position in charge of Central Staff.

Weapons Planning Group

Dr. Frank E. Bothwell took over the Central Evaluation Group whose function and staff were enlarged to become the Weapons Planning Group. Dr. Bothwell had been contributing a great deal to this field before moving into this job by serving in a capacity as research scientist and advisor to the Technical Director in the evaluation field.

In this period, Mr. Haskell G. Wilson became Associate Technical Director. Mr. Wilson came from the Bureau of Ordnance to work in the Technical Division of Central Staff. He had moved to the job as associate Head of the Test Department and served as Head when Mr. Topereck was associated with Convair in Pomona. Mr. Wilson became Head of Central Staff and in 1955 was lected as Associate Technical Director.

The most significant of all these moves was the appointment of a new Technical Director in July 1954. The choice was Dr. William B. McLean. Dr. McLean is the youngest man who has occupied this position. He

earned a Ph.D. degree in physics at Caltech and had further studies at the University of Iowa.

Research and Development

From 1941 to 1945 he was engaged in research and development work on equipment for the National Bureau of Standards in Washington. During this time he had encountered the difficulties of anyone who has devised a new piece of equipment and can't find any place to try it out to see how it works. NOTS appeared to be a place which solved this problem and he came here to take over the direction of work on Aviation Ordnance. He had foreseen the requirements of missile work very early and had undertaken research and development which had proved an outstanding success in the weapons program. In recognition of his work and of his potential for further effectiveness, he was selected as Technical Director by the Bureau of Ordnance and Secretary of the Navy upon the recommendation of the NOTS Advisory Board.

It is obvious that during ten years the Station has developed its program and its organization with extraordinary rapidity. This development has placed unusual demands on people in positions of leadership, but it also has afforded remarkable training opportunities for people throughout the organization. The Station must continue to provide the conditions which will produce men who can maintain the principles of operation and the program of the Station so that it will remain continuously alive and productive.

S-D Day Traffic Safety Program

S-D (Safe Driving) Day has been scheduled under the auspices of the President's Action Committee for Traffic Safety for Thursday, December 1, 1955. Full Navy and Marine Corps participation in this program has been directed by the Secretary of the Navy. An intensive traffic safety program aimed at the reduction of traffic accidents during the entire month of December also is planned.

The purpose of S-D Day is to demonstrate that traffic accidents can be greatly reduced when motorists and pedestrians fulfill their moral and civic responsibility for safety. The challenge to the Navy and Marine Corps will be: not a single traffic accident during the 24-hour period of December 1, with no injuries or fatalities and a greatly reduced number of accidents for the entire month of December.

President Eisenhower has given this program his personal approval and will make public appeals for the support and cooperation of all citizens in this undertaking. Thirty days of intensive public educational activity will precede S-D Day with national, state, and local organizations of all types joining to combat traffic accidents.

The Navy and Marine Corps record for S-D Day 1954 was one killed.

Supply and Fiscal Award Winners



FIVE EMPLOYEES of the Supply and Fiscal Department recently were recipients of awards presented by Captain R. L. Myers, USN (third from right), head of the department. Shown (l to r) are: T. C. Blair, Dora Laughlin, Arthur H. Miller, Captain Myers, Dorothy J. Giles, and Beulah L. Glidewell.

Superintendent's Notes

By DR. EARL MURRAY, Superintendent of China Lake Schools

A report of a survey of the teacher's work in California elementary schools was recently published in *California Schools*, a publication of the State Department of Education.

A summary of this report states: "From the data obtained in this study from 26,454 full-time teachers in California elementary schools, it can be concluded that a majority of these teachers worked 40 hours or more a week, the median being 42 hours and 21 minutes. Approximately one-fourth of these teachers worked less than 38 hours a week and one-fourth worked more than 47½ hours.

"The typical seventh-grade teacher



BLUEJACKET of the Month at the Naval Air Facility is Nicholas James Duliakas, PNSN. Duliakas hails from Titusville, Pa., and entered the Naval service May 11, 1954. His selection as Bluejacket of the Month (October) resulted from outstanding performance of duty.

er worked about five hours a week longer than the typical first-grade teacher. Some of this difference was attributable to the fact that the former spent more time in actual classroom teaching, since pupils in the upper grades are required to attend a longer school day than those in primary grades.

"A little more than half (23 hours and 1 minute, approximately 52 per cent) of the typical work week for all but a few of the 26,454 elementary school teachers included in this study was devoted to classroom instruction. Of the large group of 24,497 teachers who taught only one grade or the same group every day, 2,753 (11 per cent) also had responsibility at regularly scheduled hours for non-instructional work such as supervision of homerooms or study halls, library service, and curriculum or administrative duties.

"Of the 1,804 teachers who taught only one or two subjects, 1,285 (72 per cent) also had such non-instructional duties. This brought the typical total of assigned time per week (approximately 19 hours) was spent in unscheduled, non-teaching activities such as planning and preparation, correcting papers and tests, clerical work on records, supervision of student clubs, and school-community service.

"The median size of class of the 24,497 teachers who taught one grade or group all day was 32.4 pupils. Sixth-grade teachers had the largest classes.

"Teachers who taught only one or a few subjects to many grades had a median number of 210.7 daily contacts with pupils in the classroom, the highest numbers being reported by teachers of art and physical education."

Foothill Gates to Open this Weekend For Hobby Show on Saturday and Sunday

For the first time ever, Pasadena employees will be able to bring families and friends inside the Foothill plant this weekend for the first hobby show to be staged here. An exhibit of NOTS activities and products designed at NOTS will be combined with the hobby show which has been arranged in the conference room of Building 7.

Exhibition hours are from 10 a.m. to 4:30 p.m. on Saturday and Sunday; refreshments will be served Saturday.

Chairman Al Stoltze has arranged for an exceptionally interesting special event in connection with the show. Joe Barbeary, well-known anthropologist who has worked with expeditions from Caltech, UCLA, and the University of South-

ern California, will give illustrated talks at 2 p.m. on both days of the public showing. Mr. Barbeary will also produce arrow points on the spot, using the authentic Indian method of chipping obsidian with tiger tooth and elk horn.

New entries in the show include Gerry Mosteller's model locomotives, a collection of automobile literature assembled by Gerrit DeVries, sketches by LCdr. R. G. Douglas, Tom Short's paintings from photographs, Maxine Talbot's collection of salt and pepper shakers, and Marie Bingham's collection of hand-blocked prints from Indonesia.

The conference room is open today for previews during breaks and the lunch hour.

Man of the Month



William F. Maas

Elected man of the month for November by his fellow workers in the Manufacturing Division of UOD, William F. Maas becomes the most recent candidate for the election of man of the year which will be held in January.

The castings produced here are a direct reflection of this man's skill in producing accurate patterns. No two patterns are liable to be alike in experimental work, and some of the patterns Mr. Maas is asked to make are very nearly impossible to hold to precision measurements.

Since he is the only patternmaker on the station and there are no related fields, he is constantly consulted by engineers and planners. An easy man to get along with, he has proved exceedingly capable of solving the problems presented to him.

Mr. Maas, who came to the Station in 1946, left Wednesday morning on an educational submarine tour—his reward for winning this month's election.

Reach Insurance Goal

The ESO insurance committee reached its goal in its ten-day drive in October, according to Virginia Olson, head nurse at Pasadena Annex. Fifty-two new group insurance policies were issued, and ten policyholders increased their coverage.

Ethel Kuever, ESA treasurer, has requested policyholders to pay premiums promptly; these are payable the last week of each month.

Annex All-Hands Meeting Successful

High commendation for the recent all-hands meetings was received by Irene Dickson, first woman chairman of the Employee-Management Council. Credit for the success of the meeting held last month goes to Nick Saines who managed them, Mrs. Dickson says.



Irene Dickson, EMCO Chairman

The meetings were on a high plane, there was active participation, and management representatives felt that they were excellent.

"The all-hands meeting provides a vehicle for the worker to present his views and offer suggestions that may better the relations between management and worker," Mrs. Dickson said.

The Employee-Management Council, which sponsors the quarterly all-hands meetings, holds a luncheon meeting of all representatives on the second Wednesday of each month. Items on the agenda are informally discussed, then tac-

News from Pasadena

Five-Year Pin Presentation



FIVE YEAR PINS are presented by D. W. Steel, head, Underwater Ordnance Department, to Marjorie Johnston, Marjorie Glaze, Ernest Oeland, Frank Bertholet, Steve Gaspar, and Norman Wyman of his department. Also receiving pins upon completion of five years at Pasadena Annex were Lloyd Beck, E. S. Cornwell, and Arthur Miller of UOD.; E. J. Jones, Jr., head, Personnel Division; Peggy Higgins, Bureau of Ordnance Technical Liaison Office; Hildegarde Walbert and Nancy Kempster of Command Administration; Charles W. B. McCormick, assistant to Dr. Bruce Sage; and Norman Mohrbacher, James Dunlop, Anthony Nagy, and Paul Walsh of Public Works.

NOTS Caravans Tour Kaiser Plant

The Kaiser steel plant at Fontana played host on Tuesday evening, November 15, to about 150 Annex employees, their families, and friends. After dinner in the plant cafeteria, the group heard a brief talk on the history and operations of the plant, then toured the plant in four caravans of private cars.

As the caravans stopped at the various mills, guides explained the whole integrated process from the manufacturing of coke to the making of pig iron in the blast furnaces and steel in the open hearths, through the rolling of blooms in the rolling mill and the making of continuous-welded steel pipe.

Eleanora Nail of Command Administration was in charge of arrangements for the tour.

Christmas Dance Tickets Going Fast

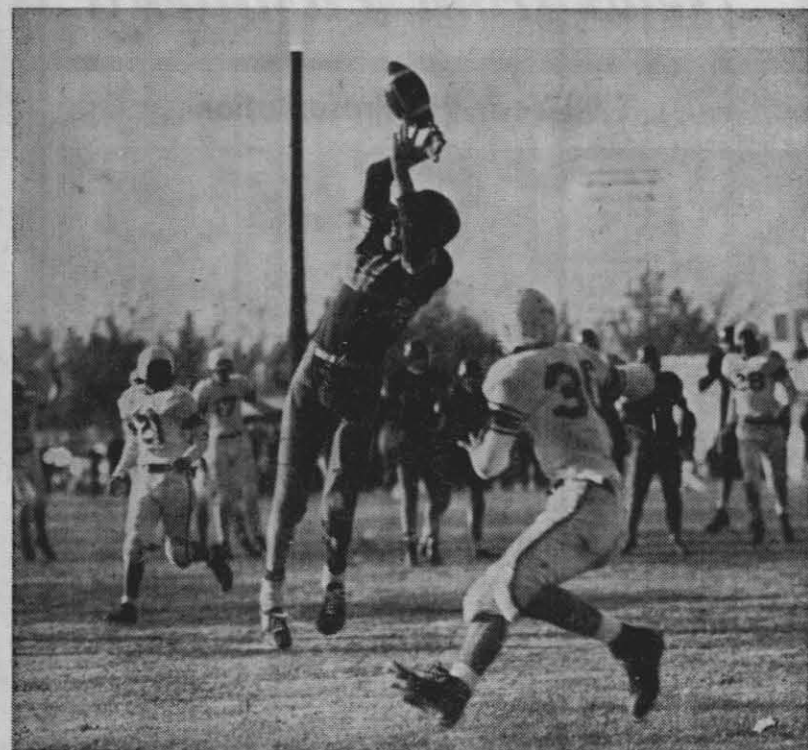
Tickets for the Christmas Dance are going fast according to Dale Willhite, chairman of the ESO dance committee. They are available from Tom Corse, Betty Butler, Stan McDonald, Dick Flygare, Bernice Hodgkin, Bill Macy, Florence Pincus, Cora Harding and Dale Willhite.

The new ballroom of the Pasadena Elks Club has been reserved for the night of Friday, December 16. Blake Reynolds' band will provide excellent music from nine to one. The drawings for door prizes will take place at eleven o'clock.

Chorus Rehearsing

The Caroleers are rehearsing for their annual Christmas program at the Boys Club in Besse Park during the lunch hour every Tuesday and Thursday. Nearly thirty people turned out for the first rehearsal, many of them veterans of previous years, but more voices are needed and wanted according to Earle Howard, chorusmaster. Wallace Hadsell served as chairman of the organizing committee assisted by Sue Burg, Merton Welch, Peggy Higgins and Neona Ward.

Trona Upsets Burroughs Homecoming, 13-8



CLAY CARROLL, Burroughs back, goes high in the air in a vain attempt to snare a pass which, if caught, might have been the difference between a win and a loss for the Burroughs gridgers. Trona's Tornadoes scored 13 points in the second half of the game to upset the locals 13-8 at the annual homecoming game at Kelly Field last Saturday afternoon.

D-I League Now in Three-way Tie; Weekend Play May Tell Tale

The Trona 'Tornadoes' 13 to 8 upset win over Burroughs High School last Saturday afternoon at Kelly Field has thrown the Desert-Inyo League into a three-way tie for the championship. Going into the game, which was the occasion of the annual homecoming, Burroughs held top honors following their wins over Barstow and Bishop on the two preceding weekends.

This weekend could very well be a crucial one for the three leaders—Trona, Bishop and Burroughs—if Trona should lose to Barstow; Bishop should drop their game to Victor Valley and Burroughs win out over Mojave. Locals expect little trouble with Mojave.

Following their win over the Barstow "Riffians" Burroughs took on Bishop on the Bronco's home grounds and wrapped up a 20-6 win.

In the Bishop game the locals opened the game with a strong running attack that moved the ball down to the Broncos' 37-yard line, at which point Roger Short tossed a pass to Right End Jim Lloyd on a play that brought the first of three tallies for the Green and White gridgers. The locals scored again in the first quarter when they recovered a fumble on the

Bishop 45 which set the stage for the second touchdown drive. Carroll, Short and Koehler proved to be the big guns in the Burroughs running attack as Koehler drove from the Bronco 17 to the four yard line. Two plays later Carroll swept around end for the score.

In the third quarter the Broncos put together a scoring drive that brought about their only tally of the afternoon.

With the scoreboard reading 13 to 6 in favor of Burroughs in the closing moments of the final quarter the locals went on a 55-yard march with Short going over from six yards out.

In the Trona fracas, high winds wreaked havoc with any attempted aerial assault.

A break early in the second quarter gave Burroughs a safety when Short dropped a Trona ball carrier in the end zone for two points. A short 18-yard pass from Clay Carroll to Jim Lloyd brought about the second tally of the game for Burroughs, making the scoreboard read 8-0 at the half.

Trona returned at the opening of the second half with a full head of steam and took the kickoff for the full distance and six points. A fumble on third down with Burroughs deep in their own territory cost the local squad the game when Trona recovered and then went on to score.

If the three-way tie remains after this weekend then it is possible that the three teams will go to the California Interscholastic Federation playoffs later on.

Station's 'Rockets' Post 1-1 Record

The Station "Rockets," entered in the Mojave Desert Inter-Service Basketball League have posted a one-win and one-loss record thus far, having dropped their second game of the season to Point Hueneme by the score of 65-78. In their first meeting against Point Mugu, they waltzed to an easy victory over their hosts, winning 71 to 65 with third and fourth string players playing most of the last quarter.

Next Tuesday night promises to be an evening of action and thrills as the locals host the Port Hueneme cagers at the Station gym. According to Lt. (jg) J. C. Alex, Station athletic officer, the Port Hueneme team is a powerful outfit and one which will prove to be a big obstacle in the league race.

The intramural basketball schedule will run through December 15 when it will be discontinued for the Christmas holidays, beginning again on January 10. The games scheduled up to the holidays are as follows:

Nov. 22—Port Hueneme, here; Nov. 29—Barstow Marines, there; Dec. 1—Mojave Marines, here; Dec. 2—Point Mugu, here; Dec. 6—George AFB, there; Dec. 8—Lone Pine, there; Dec. 12—Edwards AFB, there; Dec. 15—29 Palms (Marines), here.

All games will be started at 8 p.m.

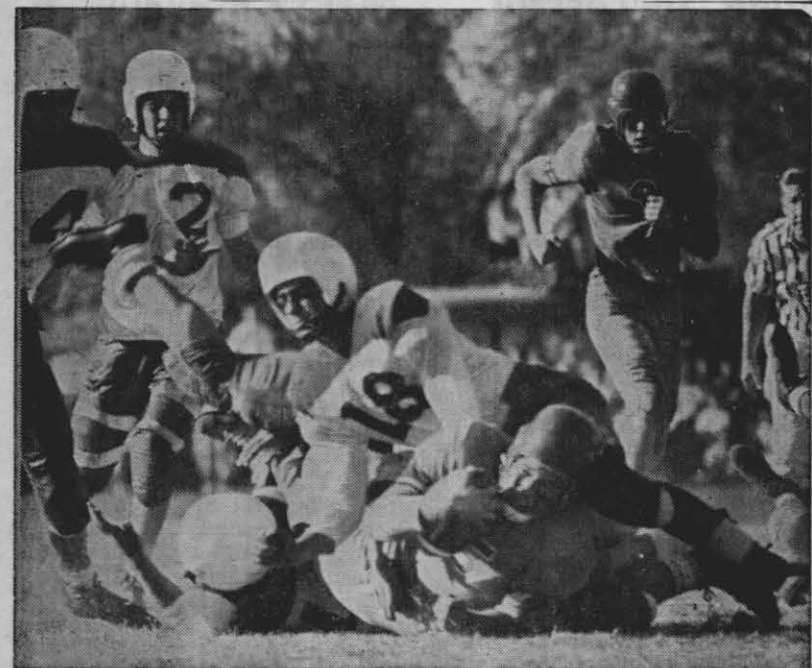
'Drag Race' Meet Scheduled Sunday

Thirty-three trophies and a \$25 savings bond will be at stake Sunday at Inyokern Field as some of the top competition cars vie for honors in the second drag race meet of the season, according to Bernie Partridge, president of the Dust Devils Auto Club.

Hashim's Dragster, from Bakersfield, holder of the local strip record of 133 mph will be on hand along with Jack Miller's roadster, which took top eliminator honors in last month's meet. Ira Mahoney, who owns one of the fastest motorcycles in this part of the country, will also enter the competition. Mahoney's "bike" has been clocked at 127.47 mph from a standing start to the quarter-mile marker.

Also of interest to local residents will be the entry of several 1956 model automobiles in the stock car class.

Qualification runs start at 10 a.m. with the elimination heats scheduled to begin at 2 p.m. Admission is 75 cents per person with children under 12 admitted free.



SIX MORE POINTS are marked up on the scoreboard as Gary Koehler, Burroughs back, goes over the touchdown. The Green and White gridgers handed Bishop's Broncs their first loss waltzing to a 20 to 6 final tally.

Intramural Basketball Season Underway

The intramural basketball season got underway with a roar and from all appearances there will be an entirely different picture this year. Marine Barracks cagers are giving the NAF "Airdales" a run for their money in the race for the Station perpetual trophy.

The standings indicate that the Terriers are also a stronger team this year sharing top honors with the Marine basketeers, each team having posted two wins and no

losses. The Marines dropped the Airdales in their first encounter, a feat which hasn't taken place in some time.

The league standings, as of last Monday, were:

	Won	Lost
Terriers	2	0
Marine Barracks	2	0
Airdales	2	1
Test	1	1
Bluejackets	1	2
Apprentices	1	2

Burroughs Hi Band Largest in History

The 53 member Burroughs High School marching band directed by George A. Carson participated recently in Burroughs' Tenth Annual Homecoming activities.

The band's activities during the Homecoming celebration included marching in the parade and performing at half-time activities. Brigadoon was the program presented during half-time.

Giving its initial performance at a community function last October 15, the Band marched in the Desert Empire Fair Parade, and was awarded a First Place rating.

Attend Games

Performances by the group to date include participation at all "A" games as well as most "B" games.

The band, largest in school history consists of a drum major, five majorettes and 47 instrumentalists.

Drum major is Mike Pierce, who is assisted by majorettes, Jill Curtis, Juda Fischback, Justine Hallett, Patsy Westfall and Barbara Yost.

Band members, listed according to their instruments include: Trumpet—Thomas Ashburn, Dick Colson, Alan Craig, Richard De Mase, Linda Dial, Robert Holloway, Curtis Hansing, Pat Jones, Ronald La Rosa and Pete Spooner. Clarinet—William Esch, Christine Hathwell, Celeste Neipp, Wayne Smith, Elaine Steinmetz, Joy Westcott and LeRoy Wold.

Saxophone—Vernon Green, Robert Ragsdale, Nathan Spooner, and Bruce Farr. Flute—Sybil Donaldson, Carolyn Ridpath and Sandra Witt. Bass horn—Jon Eden, James Horton and Ned Pierce. Baritone horn—John Orozco, Pat Pierce, David Skarr and Bob Walker. Trombone—Don Britt, Layard Kirby, Bob Klavetter, Jay Tillet, Donald Turner and Stuart Young. The French Horn is played by James Adamson while the bells are rung by Linda Clark, Allene Reeves and Pat Pruitt, and the drums played by Charles Christenson, Paul LaFleur, Paul Neipp, Don Zarzana and Irwin Porter. Bass Clarinet—Sharon Steele.

Plans Told

Future activities of the band include participation in the University of Southern California High School Band Day Nov. 26, and in the Shrine Potato Bowl game in Bakersfield Dec. 3.



ALICE COTNER, center, diminutive brunette senior at Burroughs High School, reigned as queen of the Burroughs annual Homecoming festivities last weekend. Princesses were Jackie Ambrose (left), and Margaret Kraynyk.

Alice Cotner Reigns As Queen Of Burroughs 10th Anniversary

Alice Cotner, a senior student and daughter of Mr. and Mrs. G. R. Cotner of China Lake, was made at a pep rally last Friday night which opened the Homecoming weekend. High winds prevented the annual bonfire lighting. A "B" game at which Burroughs triumphed over Trona concluded the evening's activities.

Announcement of the queen and her two princesses, Jackie Ambrose and Margaret Kraynyk, was made at a pep rally last Friday night which opened the Homecoming weekend.

Alumni were welcomed and given an opportunity to convene at a well-attended banquet held in the China Lake Community Building at 6 p.m. Saturday evening. Honored guest was Miss Mary A. Sweeney, former business education instructor who is now at Bakersfield College.

Homecoming activities were brought to a close Saturday night with a dance held in the Burroughs School Cafeteria under the general chairmanship of the Pep Club. Homecoming activities were planned and directed by the Student Council with Vernon Green as chairman. Assisting were the Burroughs Pep Club, and the members of the faculty.

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Other prize-winning floats included the "Bible" entry of the freshman class which won second prize of \$15 and the "Tom Sawyer" entry of the senior class which was awarded the third prize of \$5.

Coronation of the Homecoming queen and presentation of her court immediately preceded the kick-off of the Homecoming game. The queen

was escorted by "A" team co-captains Jim Lloyd and Don Wright and was crowned by France Adamson, student body president. Her princesses were escorted by John Orozco and James Morris, co-captains of the Burroughs "B" team.

Half-time activities at the game were furnished by the Burroughs High School Band under the direction of George A. Carson.

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Local Ski Club Opens Training Program

With the theme of "You can learn to ski!", the NOTS Ski Club, now in its tenth year, announces a training program for new members. The latest techniques of skiing and highest safety factor standards will be taught by the club's most accomplished skiers, and at no expense to the members. The first class will be on the evening of November 30 at Kelly Field.

The club offers year-round outdoor

activities, but is most active in the winter months when its members make ski outings principally to Mammoth Mountain. A cabin is available to members.

Station residents wishing to join the club will be welcomed at the Ski Hut on Tuesday, November 29 at 7:30 p.m. when equipment will be checked out for the class and first outing which is to be held on December 3 and 4.

NSLI Dividend Payable in '56, VA Announces

Washington (AFPS) — Regular annual dividends will be paid during 1956 on National Service life insurance, which originated in WWII, and on U.S. Government life insurance, which originated in WWI, the Veterans Administration announced recently.

The NSLI dividend will amount to approximately \$195,000,000 and will be payable to holders of approximately 5,000,000 participating term and permanent plan policies. The USGLI dividend will amount to approximately \$24,000,000 and will be payable to holders of approximately 370,000 permanent plan policies only.

In both payments, eligible policy holders will receive a dividend for each month the insurance is on a premium-paying basis during the policy year ending in 1956. A single check will cover the total amount due on each policy.

Payments will be made shortly after the anniversary date of each policy, beginning in January and ending in December 1956.

'Scholarships' Offered by GM

Senior students at Burroughs High School are being offered an opportunity to compete in the General Motors Scholarship Plan, according to Dr. Earl Murray, principal, in an announcement made this week.

The plan, initiated early in 1955, provides for 100 four-year scholarships, at least one in every state and 50 at large, at any college or university of the successful contestant's choice and in any field of study he may select.

Registration for the second year of the plan is now underway. Eligible to participate are high school seniors, both boys and girls, who are United States citizens and who plan to take the College Entrance Board examination for admission to a school of their choice or who arrange to take the examination in order to enter the competition for a General Motors scholarship award.

Selection of award winners in the plan will be the responsibility of a group of leading educators representing various parts of the country.

Burroughs Instructor To Review Noted Novel

Wayne C. Harsh, teacher of English and social studies at Burroughs High School, will review THE FABLE by William Faulkner at a NOTS book study group meeting of the American Association of University Women to be held at the home of Mrs. K. H. Booty next Monday.