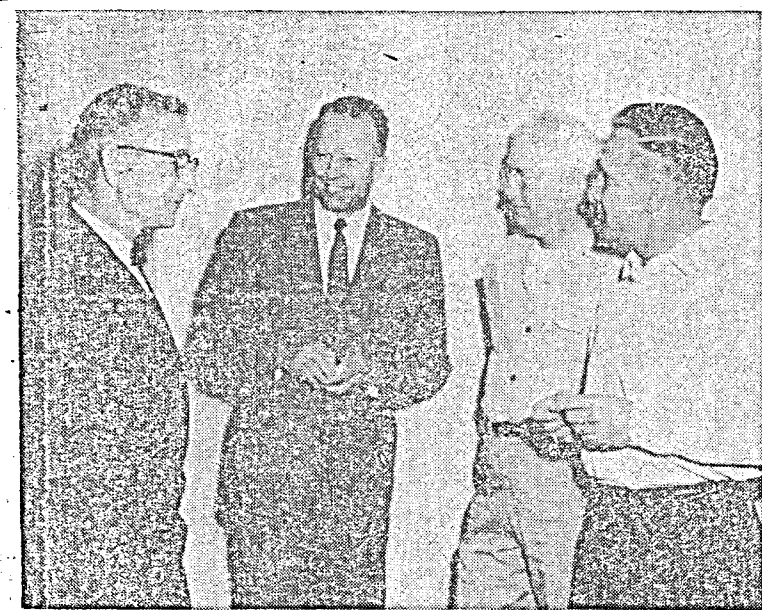




Navy Wives Supply Child Care During School Conferences

A free child care service will be provided by members of the Navy Wives Club during parent-teacher conferences in China Lake Elementary Schools on March 10, 11, 17, and 18.

Ann Smith, chairman of the child care project, has announced that a club member will be on duty between 2 and 4:30 p.m. at each school on the scheduled days. Signs will be posted at the school entrances directing mothers with small children to the baby-sitting rooms.

The service will provide parents an opportunity to discuss the problems or progress of their school age children without interruption. The conferences further provide the parents an opportunity to view samples of their youngsters' work and become acquainted with the education program of the school.

LONG GOVERNMENT SERVICE—Gold pins, shaped like anchors, are presented to Propellants and Explosives Dept. employees by Dr. Hugh Hunter, Department Head, for longevity in Federal Service. Recipients (l. to r.) are: Frank Roper, 30 years; Dr. Hunter; George Thoms and Lewis Radcliff, 20 years each. David Perry, another 20-year pin recipient, is not present.



SUPERIOR PERFORMANCE TRIO—Propellants and Explosives Dept. employees are recognized for their sustained superior performance of duties. Award recipients (l. to r.) are: Paul Walker, \$200; Ruth Massaro, \$100; and Lealus Polley, \$200.

Official Expects 'No Miracles'

Incentive System Seen Strengthening Service

Washington (AFPS)—The new military pay and incentive bill will produce no miracles, Assistant Secretary of Defense William H. Francis Jr. has told Congress, but will provide steady and dramatic improvement in the services.

Testifying in support of the pay legislation at the opening hearing of the House Armed Services Subcommittee, headed by Rep. Paul J. Kilday (D-Texas), the manpower chief said, "Our country to survive needs now, more than ever before in its history, a military force of truly professional stature."

"We do not presently have such a force," Mr. Francis declared.

Figures quoted later revealed that of 2.3 million men in the ranks, only 765,000 are experienced and fully trained.

"Unless we can offer our most able men a chance to move forward in accordance with demonstrated ability, we are in grave danger" of eventually bogging down the services "with men who do not have confidence in their ability, do not have ambition or drive and are not the kind of men the modern Armed Forces so urgently require," he explained.

"We expect no miracles" through the proposed changes in the military pay structure, Francis told the legislators, "but we do expect a steady, and ultimately, a dramatic improvement in our order of readiness."

The Defense Department considers the proficiency system to be the most flexible of all the various compensation proposals that have been suggested and believes the plan offers the greatest benefits at the least cost, he added.

Francis said that proficiency pay is precisely that—pay for proficiency.

cy—and not technician pay, skill pay, specialist pay or any of the other things it has been called.

"You might say it is a compromise, but I incline to use the word 'flexible'; flexible in that it can be applied in one way by one service to solve one type of problem, another way by another service to solve its separate problem," Francis said.

For that reason, he continued, the proficiency system permits use in two ways; either through qualification in a skill of critical importance, or demonstration of outstanding effectiveness in any essential service skill.

"It is unique in the fact that it is the one system yet devised that is capable of adjusting to changing skill requirements without injuring either monetarily or morale-wise the individual in the declining skill," Francis asserted.

Dedication Slated In U. S. Highways 6 & 395 Realignment

Dedication ceremonies, formally opening the south-bound realignment junction separating U.S. No. 395 from U.S. No. 6 highways, will be held next Friday, March 14, one mile north of Inyokern by the Inyokern Chamber of Commerce.

The program will start at 4 p.m. with registrations. At 4:45, a motorcade inspection of the improvements will be held followed by introductions and a ribbon-cutting ceremony at 5 p.m.

A pot-luck dinner will be held at the Inyokern Town Hall at 6 p.m. followed by a discussion of future plans at 7:30 p.m.

County, State, and California State Highway officials will be among the honored guests. The Lone Pine High School band will provide the music.

Ultra-Sonic Jet Carries Sidewinder

Lockheed's rapier-like fighter, the F-104A Starfighter—fastest and highest flying jet ever ordered for tactical use—went on duty this week with the Air Defense Command at Hamilton Air Force Base carrying Sidewinder guided missiles as armament.

Armed with the Sidewinder missile developed here at NOTS, the Starfighter is a vicious threat to any attacking bomber that might approach the Coast.

Top speed of the F-104A has not been disclosed, but the low-slung, chop-winged aircraft is regarded as double sonic at least, or capable of speeds faster than 1300 m.p.h. in the stratosphere. Its ceiling is said to be better than 70,000 feet.

2nd Science Student Reports Lab Study

Donald Davis is a junior at Burroughs High School, and the youngest of nine students doing scientific research in Michelson Laboratory at the Naval Ordnance Test Station.

Working under Robert Weinhardt of the Materials Engineering division of the Engineering Department, Don is learning through practical application how to test materials such as metals for durability under environmental conditions.

Working closely with research engineers like Milton L. Speckles, Don is getting the opportunity to, as he says, "stretch, pull, pound, and squeeze" metals to find out if they are strong enough to withstand the harsh treatment of speed, extreme temperature changes and other conditions found in the age of satellites.

Don is learning to determine the elements of a metal through chemical analysis. Recently a minute part of a rocket was brought in for examination. It had not functioned properly. Don worked with other scientists to discover what was in the piece of metal that would not stand necessary treatment.

The lab in which Don works for two hours every day after school is equipped with microscopes, a wind tunnel, an altitude chamber and a one million volt X-ray machine.

The other students under the work program are seniors. The work the students do is of benefit to themselves, rather than the government. Don feels that he is learning a great deal which will help him in college where he intends to concentrate his studies in research in physics.

He personally would like to see an advanced science and mathematics course included in the high school curriculum, stating that he could learn and comprehend considerably more than is offered at the high school level. Aware of the national controversy on the topic of advanced high school study since the launching of Sputnik, Don has hastened to point out that the program would hold value only for those students with the initial interest in the subjects. "Some students don't want to come to school at all, let alone have to study more science and math. No teacher or no person can make a student want to learn. Teachers and parents can only develop and encourage interests that already exist."

Don's father, Robert C. Davis, owns an airport in Ridgecrest, and has an interest in scientific research. Don has built six rockets with supervision from home, but does not recommend the hobby. "Even though I know something about what I'm doing, I have had small accidents," Don feels that anyone playing with rocket construction should have a fair knowledge of chemistry and close adult supervision.

Don had to resign from his post of vice-president of the Burroughs chapter of the California Scholarship Federation when he was chosen for the scientific program. He still finds time to play tennis, attend science club meetings, fly airplanes (again under his father's supervision) and do his homework.



MODEL ROCKET—Joint first place winners in the physics division (l. to r.) are: Wayne Smith; Bruce Warr; and Dave Skaar.



RAT EXHIBIT—First place winner in the biology division is Carolyn Searly for her display "Vitamin B-1 Deficiency in Rats."

Your Credit Union

Most people start a budget by putting down the necessities: food, rent, clothing, and so on.

Usually they end up with nothing much left for the pleasures of life—no goal, no sense of purpose except to make ends meet.

This makes a budget pretty grim. Most people don't enjoy budgeting, often hate the very thought of it, put it off until it's too late to do a good job.

You can enjoy your budget if you set a goal—something you want most. Maybe it's a farm you want to buy, a house, a boat, a summer cottage, a trip to Europe.

Whatever it is, set aside a certain amount for it out of each paycheck, even if it is small. Then go on and figure rent, heat, food, clothes and all the other necessities.

Arbor Day Observance Slated for Next Week

Arbor Day and Conservation Week observances will start on March 7 in the China Lake Elementary Schools. Burt Hutchison, fire control officer at Cannel Meadows in the Kernville area, will show conservation movies to the youngsters.

On March 13 at 9 a.m. students at Vieweg and Rowe Schools will see two films, "Dead Out" and "Wildlife and the Human Touch." Students at Groves, Richmond and Burroughs Junior High Schools will view the films on March 14.

This is the fourth year that Hutchison has returned to China Lake to present conservation week programs. He will visit some fifth and sixth grade classrooms during his visit to answer student questions.

Amelia Earhart began the first solo flight across the North Atlantic by a woman May 20, 1932.

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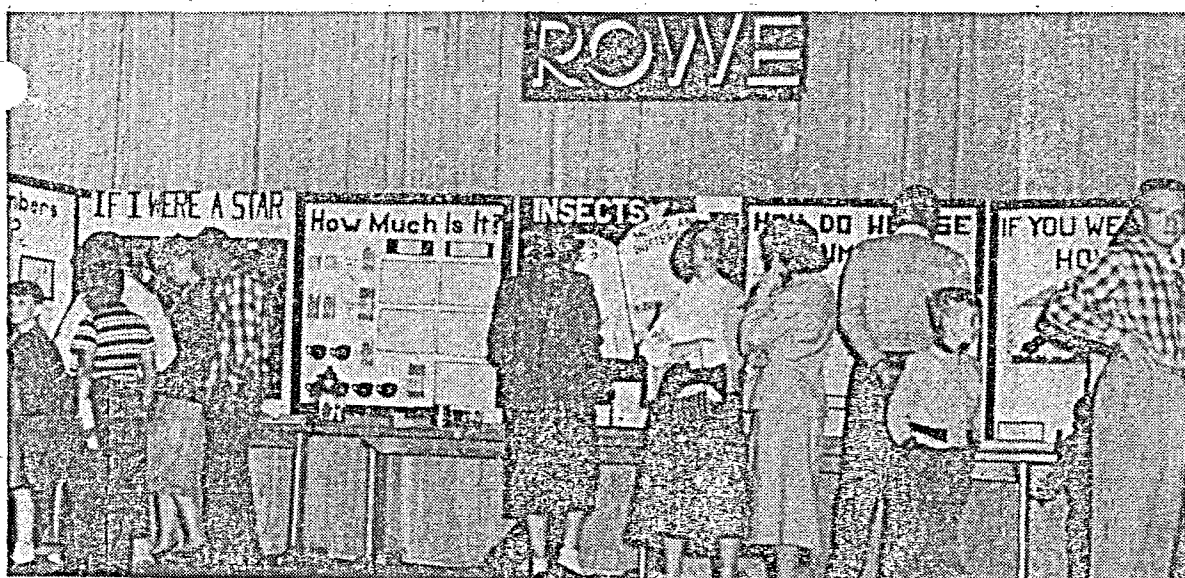
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Vol. XIV, No. 9

U. S. Naval Ordnance Test Station, China Lake, California

Friday, March 7, 1958



SCIENCE AND MATH FAIR visitors study exhibits displayed by local students.

Impressive Exhibits Mark 3rd Annual Science and Math Fair

An impressive display of projects and demonstrations illustrating the scope of science and math instruction in China Lake schools was demonstrated in the third annual Science and Math Fair held on the Burroughs High School campus last Saturday, March 1.

Exhibit Winners
High School exhibit winners in the chemistry division were: Wayne Smith, 1st place, \$15 for his "Blast Furnace" display. Smith also earned a \$10 special award. Don Davis and Pat Rickhoff were second place winners of a \$10 award for their display on "Nature of the Chemical Bond." Third place winner was Sharon Christie, \$5, for her display "Synthesis of Malachite Green Dye." Honorable mention was given to George Burgess for his "Wind Direction and Speed Indicator."

Winners in the biology division were: 1st place, Carolyn Searly for her display on "Vitamin B-1 Deficiency in Rats"; 2nd place, Paddy Haseltine for her "Circulatory System" display; and 3rd place, Richard Reed for his "Rat Hygiene" display.

Honorable mention was given Joanna Smith for her "Mounted Pigeon Skeleton"; and Don Fowler and Monte Frisbee for their "Rat Maze" exhibit.

Judges in the three divisions were: Dr. Robert Olds, physics; Dr. William McEwan, chemistry; and Amy Griffin, biology.

High School Committees
Terry Watson and Alan Robinson were co-chairmen of the high school portion of the fair which included the entire school system, and Sandra Witt, president of the Science Club, coordinated approximately 120 projects which were represented in the various exhibits.

Instructors John Donnan, chemistry; James Nau, biology; John Trent, physics and mathematics; and William Sanson, science and mathematics, worked with their classes guiding the preparation for the fair. Louise Riffe, high school librarian, worked closely with the committee in providing research materials and constructing displays.

Junior High Displays
Representing the Junior High School division were lecture demonstrations contributed by: Bill Haseltine, Frog Dissection; J. Besser, G. Lipp, and D. McLean, Rockers; J. Van Essen, R. Ellison, Experimenting with Vitamins; Leslie Cies, How are Crystals Grown; Steve Christensen, Volcanology; Shelley McEwan, The Binary Number System; and Doug Henry, How Does a Slide Rule Work and How Is It Made.

In addition, elementary grade students, under the direction of their instructors, contributed a multitude of exhibits commensurate with their grade levels.



ARTIST OF THE MONTH—Mrs. Laura Beckmann, mother of former NOTS Executive Officer Capt. A. G. Beckmann, USN, (Ret.), has been selected Artist of the Month at the Station Library. Noted for her roses, landscapes and flower arrangements, she was once known as the "Rose Painter of St. Louis." She has studied under nationally known art instructors and her oil paintings have been on exhibit in some of the most prominent art galleries in the country.

Progress of New Youth Center Organization Plans Announced

Organizational plans are progressing rapidly in preparation of the opening of the forthcoming Station youth recreation center, according to its director, Miss "Mady" Williams.

A Teen Organization Management Board, more conveniently known as the TOMB, has been appointed among military and civilian youth at NOTS. Military board members were selected by their respective commanding officers and special services officers. Civilian board members were selected through the recommendation of Burroughs Student Council.

Board Members
The TOMB consists of the following: Patsy Westfall, chairman; Pfc. L. A. Granko, Marine Barracks, co-chairman; Susan Metcalf, secretary; Pfc. David Gates, Marine Barracks, assistant secretary; Keith Emerson, membership chairman; Carolyn Haycock, program chairman; Robert Avalos, AN, NOTS, co-chairman; Jay Carty, publicity chairman; Pfc. Phil Pott, Marine Barracks, decorations chairman; and Mike Michaelson, SN, VX-5, chairman of Name the Center contest.

Plans for expanding the Adult Recreation program commensurate with the interests of the people in the community were discussed by Miss Cone.

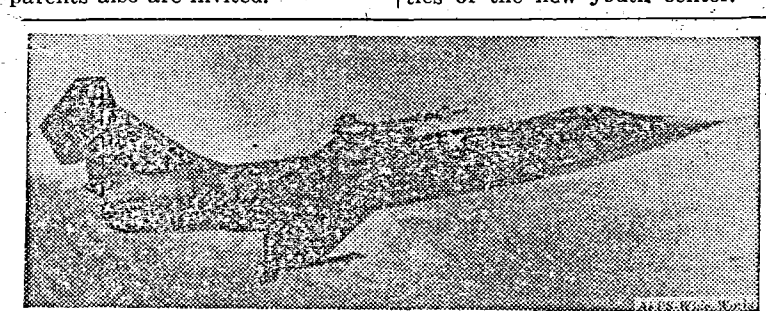
Council directors and guests were invited to suggest recreational ideas which they felt would be well received by Station residents. Some of the suggestions submitted were annual jeep cavalcade outings, community sings, tours to Las Vegas and other points of interest, outings in Sequoia National Park, field trips, and community dances.

St. Patrick's Dance
An adult recreation dance is planned for March 14 in the Community Center using the St. Patrick's Day theme for the entertainment. Miss Cone expressed an interest in obtaining local talent to provide entertainment for future social functions and for entries in the forthcoming annual Navy talent contest.

Youth Recreation
Miss Williams outlined the proposed recreation program for the youth center scheduled to open formally in April. The center will be open to all Burroughs High School students and all military personnel under 21 years of age.

Town Hall Meeting
It was further announced that a town hall meeting will be held on March 17 at 7 p.m. in the Community Center for the purpose of acquainting parents with the activities of the new youth center.

All youth organizations in the community are urged to send representatives to this meeting. Sponsors of youth groups and interested parents also are invited.



SIDEWINDER STINGER—Navy Sidewinder missiles installed on the wingtips of the new Air Force F-104A Starfighter use an infra-red tracking device to home-in on targets. First operational F-104As recently joined the 83rd Fighter-Interceptor Squadron at Hamilton AFB.

Community Council Accents Recreation At Feb. Meeting

A general discussion of the Station's recreational programs highlighted the last meeting of the Community Council held on February 25 in the Community Center.

Jean Cone, Director of the Adult Recreation program, and "Mady" Williams, Director of the forthcoming youth center were guest speakers.

Adult Recreation
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Stereophonic Music Concert Scheduled

Music lovers of Indian Wells Valley will hear the fourth free concert of the Valley Philharmonia Society to be held next Tuesday, March 11, at 8:15 p.m. in the Station's All Faith Chapel.

Five disc and four stereo-tape recordings will be featured as follows: Coriolan Overture by Beethoven; Mars and Uranus, the Plants by Holst; Hobgoblin by Chadwick; Scherzo from Concerto Symphonique by Litloff; Gayne Ballet Suite by Kachaturian; Steppes of Central Asia by Borodin; and A Night on Bald Mountain by Moussorgsky.

Following intermission, Academic Festival Overture by Brahms, and Hary Janos Suite by Kodaly will be heard.

The Society is non-sectarian and all residents of the Valley and surrounding communities are invited.

Georgia Tech Appoints Former NOTS Scientist

Dr. Arthur L. Bennett, former Research Department scientist at China Lake from December, 1944, to October, 1955, was recently appointed Research Professor and Chief of the Physical Sciences Division of the Engineering Experiment Station at Georgia Tech.

ROCKETEER

Published Every Friday at the
UNITED STATES NAVAL ORDNANCE TEST STATION
CAPTAIN W. W. HOLLISTER, UNITED STATES NAVY
Commander

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BUDD GOTT
Editor

PHILLIPS WAIR
Asst. Editor (Atlg.)

Naval Semeyn, Annex Correspondent (Foothill, phone Ext. 35). Art by Illustration Group, Technical Information Department. Photography by Rocketeer Photo Staff—Bob Fortinberry, PHAN, Randy L. Lytle, PH3. Photographers for the Pasadena columns are—Shaw Hansen, A. E. Black, and D. Sanchez.

Office Building 35, Top Deck — Telephone 71354, 72022, 71657

Special Report

Incentive Legislation

The Department of Defense has asked Congress to pass legislation that would mean a raise in pay for everyone in the uniformed services who has served at least two years on active duty.

There is much more than just a pay raise at stake, though, for the Defense Department's plan amounts to a new way of paying military personnel. There are basic changes in pay practices, changes which should be understood by all servicemen and their families.

The purposes of the proposal are 1) to help the services meet their urgent requirements for top-notch career people in officer, warrant and enlisted ranks, and 2) to reward career people at all echelons who have initiative and ability to qualify for increased responsibilities.

It is the Defense Department's objective to insure dedicated career personnel that their compensation will be sufficient to enable them to discharge their responsibilities to both their country and their families. The new pay-incentive proposal will attain that objective.

The plan grows out of the Cordiner Committee's recommendations for sweeping changes in our military pay structure. The Cordiner Committee, after a year's work that included personal interviews with hundreds of service members, called the present system outdated.

The proposal now before Congress would provide higher rewards for individual contributions. It would establish two new pay grades for enlisted men and two for officers. It would make possible raises of at least six per cent to seven of every 10 persons in the Armed Forces.

Above all, it would increase the attractiveness of career service, and would keep high-caliber people in uniform.

—(AFPS)

Superintendent's Notes

By Dr. EARL MURRAY, Superintendent of China Lake Schools

A \$9,000,000 bond proposal will be submitted May 6 to registered voters of the Kern County Union High School and Junior College District to provide for additional buildings and facilities to meet increasing student enrollments.

Legal technicalities for calling for the bond election were included in a resolution adopted unanimously by the board of trustees of the high school-college district Monday night, February 24, at the regular semi-monthly meeting of the board. The trustees also authorized the district to retain the legal firm of Orrick, Dahlquist, Herrington and Sutcliffe, San Francisco, specialists in bond matters.

Enrollments Increasing
 Along with the general upsurge in enrollment, the trustees have noted that in the Bakersfield, East Bakersfield and South High School attendance areas there will be an excess enrollment of 635 students over plant capacity by 1960-61 and that in 1961-62 this excess will be 1136, according to a study of enrollment projections.

Need High School
 District Superintendent T. L. McCuen has indicated to the board that these figures point to the fact that a new high school should be opened in the Greater Bakersfield area in the fall of 1961 and that a site should be purchased during the current school year.

Enlarge Campuses
 The proposed bond issue also includes additions to several campuses in the district to meet enrollment increases. The board action in calling for the bond election is the result of long and careful deliberation by the trustees and district administration in projecting long-range enrollment trends and

Safety First

SACRAMENTO—Driving on the wrong side of the road is fast becoming a major problem on California highways according to information released today by the California Highway Patrol.

"Each year an increasing number of drivers are involved in accidents while driving on the wrong side of the road," declared Patrol Commissioner E. R. Caldwell. "During 1956 a study of 'wrong side of the road' accidents revealed that there was one fatal accident for every eleven injury accidents in that classification."

"A similar study of all fatal and injury accidents for the same year shows that there was one fatal accident for every 27 injury accidents, indicating that driving on the wrong side of the road is one of our more deadly violations," Caldwell stated. "Some of the causes of drivers drifting across the center line are excessive speed on curves, asleep at the wheel, under the influence of alcohol, fatigue, and failure to keep alert."

"Keeping on your side of the road will help you avoid head-on collisions, side-swipe crashes, similar errors by other drivers, and give you a better chance of completing your trip without an accident."

Civil Service Clerk Exam Announced

An examination announcement No. 12-12 (58) (SC) has been received from the Director, 12th U.S. Civil Service Region for Clerk GS-4 vacancies in various Federal agencies in Southern California.

Options include Clerk General, Correspondence, Mail and File, Personnel, Statistical, Supply, and Traffic and Transportation.

Application Forms 5000-AB may be obtained from any post office or the Station Personnel Department, and should be filed with the Director, 12th U.S. Civil Service Region, Room 123, Appraisers Building, 630 Sansome Street, San Francisco 11, California. Applications will be accepted until March 17, 1958.

Copies of the announcement are posted in any post office or the lobby of the Personnel Department.

Community Church Lists Lent Services

Lent, the 40-day period preceding Easter, is continuing to be observed by the NOTS Community Church with special services each Wednesday at 8 p.m. in the All-Faith Chapel.

Chaplain James D. Hester and The Rev. John L. Reid, Jr., alternately present the meditation topics which are based on the gospel accounts of Jesus' last week on earth. They are assisted in leading the worship by The Rev. John H. Bunce. Mrs. George S. Morefield, organist, and a soloist for each service provide special music.

During Holy Week, the week before Easter, there will be no Wednesday service, but Maundy Thursday Communion will be observed at 7 p.m. on April 3. The public is invited to worship at these services.

Job Opportunities

Secretary (Clerk-Steno) GS-4
 This vacancy is that of Secretary to Head of Employee Development Division, Personnel Department. Duties include making appointments for Division Head, composing and reviewing correspondence, gathering and presenting information, establishing and maintaining files, stenography and dictating machine transcription. Personnel experience preferred. For additional information please call Code 6531, Ext. 72676 or 72723.

Test Range Tracker—Vacancy is in the Projectile Range Division, Randsburg, Wash. Applicant must have had two years experience in the operation of at least two types of range tracking equipment. Experience in the developing and printing of photographs is desired. Interested persons should contact Fawn Haycock, Ext. 71377.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

Nine p.m. next Friday night will be dance time and time for "wearing of the green" at the Community Center. This will be a real Irish shindig and all adult station personnel are invited. Don't miss the good music of W. Webb or the exciting Irish dances presented by the Chin Lake Desert Dancers. This is a Special Services sponsored dance and no admission will be charged.

Flower Show
 The Ninth Annual California International Flower and Garden Show will be held at Hollywood Park from March 15th through 23rd. The show will feature more than a million dollars worth of flowers and gardens covering 7 1/2 acres, all indoors. Exhibitors include nurserymen, cut-flower growers, retail florists, garden clubs, landscape architects, universities and colleges, garden editors and consultants.

An outstanding exhibit will be the exotic Hawaiian Garden with orchids, ferns, anthurium and ginger, water falls and pools. A fabulous collection of tropical birds will inhabit the garden.

Discount certificates which entitle you to a 35 cent discount off the regular admission of \$1.50 are now available in the Special Services Office for this spectacular exhibit. The certificate is good from 5:30 to 10:30 p.m. March 15-21 and all day (10:30 a.m. through 10:30 p.m.) March 22-23.

Do-It-Yourself Show
 The Do-It-Yourself show opens at Pan Pacific Auditorium in Los Angeles March 20th and will run through March 30th. Regular admission is \$1.25. With certificates which are available at the Special Services Office a discount of 35 cents is given which means you pay only 90 cents. Children under 12 years, 50 cents. One feature of this interesting show will be the Beauty and Charm Center presided over by Rita LeRoy.

Marineland and Disneyland
 The winter months are an ideal time to visit Marineland and Disneyland. You'll find that you will be able to see and enjoy more varied attractions during the time of year when tourist travel is at a minimum.

Marineland is 30 miles south of the center of Los Angeles at the tip of Palos Verdes Peninsula. It is on Palos Verdes Drive South between historic San Vicente Light-house and Wayfarer's Chapel, commonly called the Glass Church.

With discount certificates, admission prices to Marineland are: adults, \$1.50; children 7 through 17 years, 50 cents each; children 6 years and under, free.

Ten-ride ticket books may be purchased at the Special Services Office for Disneyland. Prices are: adults, \$2.70; Junior (12 through 17 years) \$2.25; and children (under 12) \$1.80.

For further information on all discount certificates or ticket books, call Ext. 71791 or come to the Special Services Office in the Housing Building, Room 2, second deck, Antelope Valley Almond Fiesta.

From March 7-9 Antelope Valley will hold an Almond Fiesta. About 2000 acres of almond trees burst into dainty blossoms on the slope above Quartz Hill, between Palmdale and Lancaster. There will be a carnival, band concert, amateur contest, and parade. Artists and

Housing List Opens For New Applicants

C. J. Fallgatter, Head of Housing Division, has announced that additional entries for the Station housing list for the quarter beginning April 1, 1958, will be accepted until March 14.

Applications should be filed with the Housing Office if a person new employee and has never before applied for housing, or if an employee has received a promotion, or has had a change in dependents status affecting his housing application.

Employees who wish to be considered for other housing and have not reapplied after being assigned family quarters, including trailers, should also file an application.

Those carried correctly on the January list who have not been assigned or offered family housing need not make further application at this time.

COMING EVENTS

Kid's Film Society

A series of films, averaging a little over one hour in length, will be shown tomorrow morning at 10 a.m. in the Station Theatre for members of the Children's Film Society.

The program will consist of: "I'm No Fool With a Bicycle," a cartoon safety film; "Adventures of Bunny Rabbit," an educational farm story; "Beginning Swimming," an educational film; "The Hopi Indians," an educational documentary film; and cartoons.

Natural Science Club

Dr. Pierre St. Amand, Head of Optics Branch in Research Department will be guest speaker at the Natural Science Club March meeting next Monday at 8 p.m. in the Community Center.

An authority on earthquakes, Dr. St. Amand will base his talk on the technical paper he delivered before the 9th Pacific Science Congress in Bangkok, Thailand in December, 1957. The subject will include the distribution, reason, theory and causes of earthquakes.

AFGE Meeting

The next monthly meeting of the American Federation of Government Employees, Lodge 1781, will be held next Wednesday, March 12, at 7 p.m. in Room "A" of the Community Center.

Plans for a dinner honoring Congressman Harlan Hagen on April 11 will be discussed.

Grotto Club

Persons who like adventure, exploring landscapes never seen by light of day, or spelunking (cave exploring), are invited to attend a meeting of the Sierra Mojave Grotto to be held at 316 Alford Street at 7 p.m. next Wednesday, March 12. Further information may be obtained by calling Mrs. Robert T. Glasre at Ext. 73444.

Photographic Society

A general meeting of the China Lake Photographic Society will be held next Thursday, March 13, at 8 p.m. in the Photo Hut.

Commentaries on the results of

Federal Income Taxes

(This is the fourth in a series of articles on federal income taxes based on information from the Internal Revenue Service.)

If you itemize deductions on page two of Form 1040, you can deduct interest you paid on your personal debts, such as bank loans and home mortgages.

You cannot deduct interest paid on money borrowed to buy tax-exempt securities or single-premium life insurance, nor interest paid on behalf of another person unless you were legally liable to pay it.

You can deduct a portion of so-called "carrying charges" paid on installment purchases of personal property such as automobiles, television sets, etc., where the interest charges are not separately stated. The deduction allowed is six per cent of the average unpaid monthly balance on the installment purchase.

Compute the average unpaid monthly balance by adding up the unpaid balance at the beginning of each month and dividing the total by 12. For example, assume that on July 15, 1957, you bought a television set for \$254 plus a carrying charge of \$20. Assume you paid \$50 and are paying the balance (starting Aug. 10) at the rate of \$14 per month. The portion of the carrying charge deductible as interest for 1957 is computed as follows:

Unpaid balance including carrying charge:	
Aug. 1 (\$254 plus \$20 minus \$50)	\$224.00
Sept. 1	210.00
Oct. 1	196.00
Nov. 1	182.00
Dec. 1	168.00
Total monthly unpaid balance	\$980.00
Average monthly unpaid balance (\$980 divided by 12)	\$81.67
Interest deduction (six per cent of \$81.67)	\$4.90

Sometimes money is borrowed on a discount basis. That is, the interest is subtracted in advance and you sign a note for a larger amount than you receive. If you report on the cash basis on your tax return, you may deduct this discount as interest only at the time you pay the note.

For example, assume that you sign a note for \$1,000 but receive only \$900. You agree to pay the \$1,000 in 10 monthly installments. For income tax purposes, one-tenth of the \$40 discount or \$4 will be considered paid each time you make a payment on the note. Thus, if you made three payments on the note during 1957, your interest deduction would be \$12 (three times \$4). (AFPS)

News from Pasadena

SCI Tie Line In Operation

February 25 represents another "first" for NOTS—the first date of operation of a newly-installed tie line between Foothill and San Clemente Island. Previously, only radio communication was available.

To call San Clemente Island on the operational tie line, the same procedure is followed as for using the China Lake tie line. Merely ask the long distance operator at Foothill for "San Clemente Island, please." Priority calls, of course, will be given preference.

Tentative plans call for bringing Long Beach in on the line. The new lines and cables were installed by a team of Public Works-Range Branch crews. The lines run from Foothill to Long Beach, then picks up again on the Island, with microwave transmission over the ocean.

Annex Vacancies

Test Department Pasadena Division

Ordinance Engineer, General Engineer, or Physicist, GS-13. Duty Station, Pasadena.

As head of the projects branch, incumbent will be responsible for planning, designing, directing, evaluating and reporting on test programs at San Clemente Island ranges for Test Department programs; and liaison with project engineers in development departments and with other segments of the Test Department at China Lake.

Interested persons contact Betty Butler, Extension 110, not later than March 12, 1958.

Those people who applied for other vacancies in the Test Department, Pasadena Division, need not make application again, as they will be automatically be considered.

* Subject to classification action.

Engineering Technician (Electrical), GS-7, 9, or 11. Duty at Long Beach.

Incumbent will be responsible for providing electrical power, control, fire control, and landline communications systems for underwater and surface weapon test programs at San Clemente Island.

Contact Marion Kelly, Extension 119, not later than March 13, 1958.

Underwater Ordnance Department Supervisory Librarian, GS-11. As head of the NOTS Pasadena Library, incumbent will direct administrative and professional functions such as cataloging, referencing, and bibliography services; will maintain liaison with China Lake technical library on methods and practices; and will maintain personal relationships with key technical personnel for planning effective selection of material and service.

A degree in library science is required as well as previous experience in a technical library.

Closing date is March 12, 1958. Contact Betty Butler, Ext. 110.



REWARDED—Dirk J. Le Mair (center) receives a superior accomplishment award of \$200 for superior performance as head of the design and engineering branch, Public Works Department, Pasadena, during the period December 1956-January 1958. Cdr. R. C. Engram (right), Assistant Public Works Officer, makes the presentation while Lt. (jg) Ralph Auerbach looks on.



IDEA PAYS OFF—Pat Williams (center) receives a beneficial suggestion award check of \$100. Presenting the award is Ruby Todd, who heads the personnel security branch, while E. J. Jones Jr., Deputy for Administration, waits to offer congratulations.

Williams' Beneficial Suggestion Results In Central Point for Classified Documents

A central control point for classified documents has been established at NOTS Pasadena, resulting from a beneficial suggestion submitted by Pat Williams.

Pat, a clerk in the personnel security branch of Administration Division, Pasadena, received \$100 for her suggestion which simplifies the system and saves many man hours in addition to releasing 40 file cabinets for use elsewhere.

Under the present system, all documents not in circulation are maintained in a central location. While off-station movement is handled by the use of document receipts, on-station movement requires only the use of document control cards and signature cards. These cards, too, were designed by Pat and are being printed.

Where previously there were nine custody control points handling accountable documents, there is now only the one control point.

The new method saves time, relieving division and department personnel for other duties. It saves material, and increases efficiency for handling accountable documents.

Eight Employees Are Promoted

Engineering

In Quality Engineering Division, Gordon T. Stuart has been promoted from ordnance inspector (general), GS-9, to supervisory inspector (ordnance mechanical assemblies) A, step 1.

Public Works

Francis W. Donnelly, transportation branch, from automotive mechanic to heavy duty equipment mechanic.

Underwater Ordnance

Planning and Administrative Division—Budget specialists Gerald P. Gold and Charles M. Gerbracht have each received promotions. Gold from GS-7 to 9, and Gerbracht from GS-8 to 9.

Propulsion Division—Leon G. Hilde from power plant engineer, GS-7 to GS-9.

Systems Operations Division—Arthur M. Lopardo from general ordnance design engineer, GS-11 to 12; Harry Quong from ordnance engineer, GS-7 to 9; and John L. Phillips from ordnance engineer, GS-11 to 12.

Technical Lecture Set For Tuesday, March 11

"Production Analysis Charts—Line of Balance Technique" will be the subject of a technical lecture on Tuesday, March 11, 10 a.m., in the Building 7 conference room.

R. Dickman, representing the Inspector of Naval Material, Los Angeles, will be the speaker.

Ex-Security Officer Visits NOTS Pasadena

LCdr. Leighton Brunson, Security Officer here in 1954-56, returned for a visit last week.

He had just completed a tour of duty as chief engineer on the destroyer USS THETIS BAY, was enroute to his new assignment on the cruiser USS COLUMBUS which will be docked in Long Beach until leaving for the Orient in July.