



NAVY NURSE CORPS OFFICERS—Four officers of the Navy Nurse Corps attached to the Station Hospital will participate in the corps' 50th anniversary observances next week. Shown seated (l. to r.) are: Lt. Katherine S. Moore, Cdr. Essie E. Coxsey, and Lt. June E. Unruh. Standing is Lt. Ann B. Cox.

### Nation's Navy Nurse Corps Celebrates Golden Anniversary

Navy-wide participation in celebrating the 50th anniversary of the Navy Nurse Corps will be observed next Tuesday, May 13, in appreciation of half a century of faithful and distinctive service.

Since May 13, 1908, professional nurses have served as an integral part of the U.S. Navy, and since 1947, they have been honored as fulfilled officers of the Navy.

Today, Nurse Corps officers serve with the U. S. Navy in some 150 dispensaries and hospitals around the world, aboard ships and Military Sea Transport Service ships, and as flight nurses in the air.

Members of the Navy Nurse Corps celebrating the Golden Anniversary at the Station Hospital at NOTS are: Cdr. Essie E. Coxsey; Lt. Katherine S. Moore; Lt. June E. Unruh; and Lt. Ann B. Cox.

The mission of these Nurse Corps Officers at NOTS is to provide for the nursing care of sick and injured military personnel, civilians injured on the job and assist in the general health program of the Station.

Nursing care is provided for the dependents of military personnel and the Nurse Corps officers in-

### Dr. Ward to Appear On Channel 11 Monday

Dr. N. E. Ward, Head of Aviation Ordnance Department, will be interviewed by Bill Welsh, famed Los Angeles telecaster, on Channel 11 at 5:30 p.m. next Monday, May 12.

Films on Sidewinder will be shown and Dr. Ward will discuss NOTS' place in space and its attitude in space below the sea.

Midway Island in the Pacific was the first territory acquired by the United States outside the continental limits, being formally annexed in 1869.



NES PLANNING COMMITTEE—Making plans for this year's Navy Relief Society fund drive (front row) are: Alice Floyd; Mary Lou Farmer; Chief J. I. Tarpley; and Phyllis Thorpe. In the second row are: S/Sgt. J. P. Watso; W. J. Stewart, GMI; Saul Kaufman, PN2; Lt. R. J. Fischer; and Lt. L. E. Rice. In back row are: C. W. Austin, GS2; S/Sgt. E. L. Echols; Chaplain J. D. Hester; and Lt. D. A. Tesch.

### 9th Science Student Reports Lab Study

Stuart Young, a senior at Burroughs High School, has been experimenting with electron flow in alkali halides in Michelson Laboratory at NOTS under the "work-experience" program designed to offer advanced study in specialized fields to high school students of superior scientific aptitude.

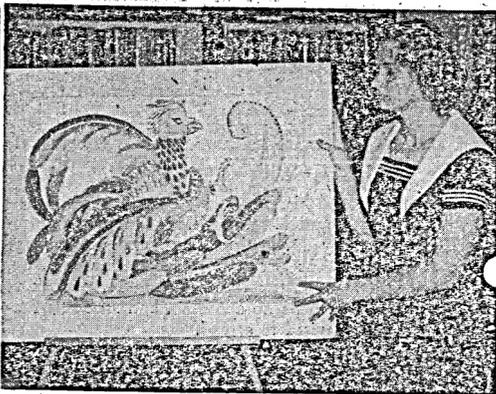
Since February, Stuart, the son of Norman E. Young, senior English and Social Studies teacher at Burroughs, has built the equipment necessary for his project and conducted experiments under the supervision of Fred Bien, a physicist in the optics division of the Research Department in Michelson Lab.

Experimenting with electron flow in alkali halides consists, according to Stuart, of "injecting electrons into alkali halide crystals at temperatures as high as 600 degrees centigrade. This creates within the crystal a colorful fan-shaped cloud which is projected upon a screen so that the growth of the cloud can be observed."

Before he could test the flow under various heats, Stuart built the oven, designed an optical lens system and built a projection lamp. Now that he has his equipment perfected and has begun the experiments, he and Bien hope they can "measure the velocity of electron flow under varied conditions of voltage and temperature and thereby improve on previous experiments in the field."

Stuart feels that the program is one of the greatest opportunities for learning a Burroughs student can have, since the program simulates on-the-job conditions.

Upon graduation from Burroughs, where he was a varsity basketball player for the C. I. F. championship team and a tennis player, Stuart hopes to attend the University of California at Davis. He is undecided about his college major.



ARTIST OF THE MONTH—The works of Marilyn Rump, Burroughs High School senior and art editor of El Burros, the class yearbook, are on exhibit this month in the Station Library. Marilyn won art awards in the last four Kern County Art Festivals, and received four achievement awards in a Scholastic Art Contest sponsored by Bullocks of Los Angeles last year. She plans to continue art study at Bakersfield Jr. College.

### First Missile Transportation Seminar To Be Held on Station May 19-20-21

This Station has been chosen for the first guided missile age conference of the nation's top military, government, and commercial transportation experts to be held May 19, 20, 21.

Known officially as the Navy Missile Transportation Seminar, it will deal exclusively with the technique and methods of handling and transporting guided missiles. As the first seminar of its kind it will set a precedent by giving serious thought and discussion to a subject closely associated with the programs and future of NOTS and commensurate with the increasing importance of guided missiles in the national defense.

Sponsored by the Bureau of Ordnance, the program and agenda are being developed by the collaborative efforts of Capt. W. W. Hollister, Station Commander, Capt. C. K. Phillips, Station Director of Supply, Al Fernandes, Transportation Specialist of the Bureau of Ordnance, and Jesse A. Bell, Traffic Manager of the Station's Supply Department.

Reduced to general terms of the questions confronting the group, the purpose of the Seminar is to provide satisfactory answers to the transportation specialists as to what guided missiles consist of, how they operate, whether they all have electronic components, whether they are inert or partly explosive, and how sensitive they are to shock, vibration, heat and to shipping vicissitudes. They also want to know whether they are presently being transported on suitable equipment and whether present freight classifications are really descriptive of the items being transported.

Designated representatives of N. OTS technical departments will assist in answering many of the questions which will arise during the three day conference. Many answers will be forthcoming in mo-

### Book of the Week

The Winthrop Woman by Anya Seton. The tempestuous life of Bess Winthrop, the woman Governor John Winthrop of the Massachusetts Bay Colony was to refer to as "my unregenerate niece."



WOMAN OF THE YEAR—Mrs. F. A. Chdnault (front center) receives the Woman of the Year award from E. A. McCabe (right) manager of the Kern Red Cross Chapter from Bakersfield for her outstanding volunteer work as chairman of the Home Service group during the past year. Attending the award presentation were: Mrs. W. W. Hollister (left), and committee members.

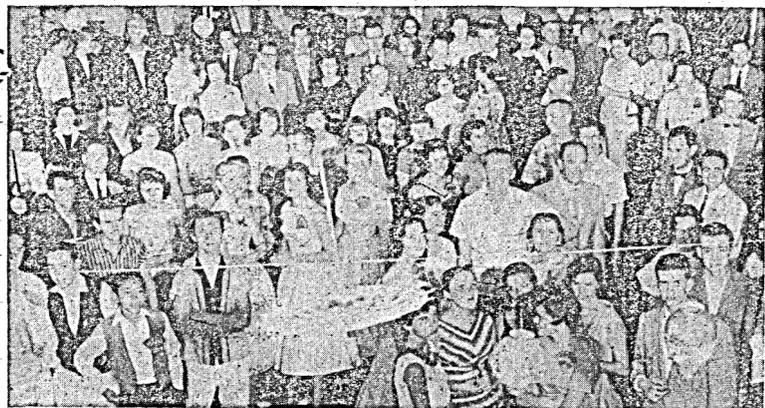
### Navy Relief...

(Continued from Page 1) ed personnel: Lt. (jg) R. J. Fischer and Saul Kaufman, PN2, VX-5. Officers of the local branch of the Navy Relief Society are: Capt. W. W. Hollister, president; Cdr. G. T. Boland, treasurer; and Cdr. J. D. Hester, executive secretary.

7522 COPY DO NOT REMOVE FROM THE FILE

# ROCKETEER

7522 COPY DO NOT REMOVE FROM THE FILE



FIRST NIGHTERS—A capacity crowd of youths and adults attend the formal opening of the RAFT (Recreation and Fun Time) Club, the Station's new youth center last Friday evening in the former Station Chapel. The audience watches the "Search for Talent Show" provided by the Pasadena Kiwanis Club. Membership is open to all Burroughs High School students and military personnel under 21.



RIBBON-CUTTING CEREMONY—Capt. W. W. Hollister performs the ribbon-cutting ceremony at the formal opening of the RAFT Club. Shown in front row (l. to r.) are: Jay Carly, president of the high school Student Council; Sharon Jockish; Capt. Hollister; Eileen Springer; Patsy Westfall; and Doug Schmidt.

### Navy Relief Drive Starts Next Week

The Navy Relief Society is making its annual call for contributions which starts on May 15 and will continue through June 15, according to Lt. Donald A. Tesch, drive chairman.

The fund raising period commemorates the Navy-Marine sea-air battles of the Coral Sea and Midway. It is during this period that the Navy Relief Society is earnestly soliciting voluntary contributions from service personnel and civilian friends of the Navy and Marine Corps.

Lt. Tesch noted that "A generous response is required if the Navy Relief Society is to continue its work in rendering aid in times of need to naval personnel and their families."

The Navy Relief Society is the Navy's own organization for the relief of distress among its own people. It is supported entirely by private funds, chiefly contributed by service personnel and civilian friends.

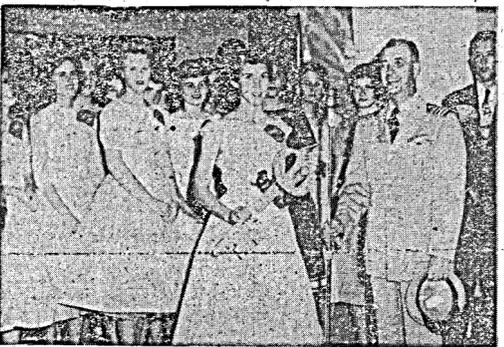
During the year 1957, the Society provided financial assistance in 85,402 cases, and service involving no monetary aid, in an additional 48,983 cases. Some 3,800 volunteer workers donated their services to the Society last year.

Adm. Burke Endorses Work. Admiral Arleigh Burke, Chief of Naval Operations and President of the Navy Relief Society, says:

"I am personally familiar with the Society's activities. I know that the work is necessary, important, and well done. It makes a very real contribution to the morale and peace of mind of our men and their families. It is my confident hope that the interest and concern of all naval personnel in the work of the Society will insure a generous support to this appeal."

Department or activity representatives will contact all military personnel between May 15 and June 15 for contributions to the Navy Relief Society. Civilians who desire to contribute to the cause may mail their contributions to Cdr. J. D. Hester, Station Chaplain, Code 8303.

Committee Planned. Members of the Planning Committee for the Navy Relief Drive this year are: Lt. (jg) Donald A. Tesch, chairman; Mary Lou Farmer and Phyllis Thorpe, Navy Wives Club; J. I. Tarpley, HMC, Station Hospital; Lt. (jg) L. E. Rice, NAF; C. W. Austin, GS2, GMI-61; S/Sgt. E. L. Echols, MCGMTU; S/Sgt. James P. Watso, Marine Barracks; W. J. Stewart, GMI, NOTS enlistment.



OFFICIAL KEY—Patsy Westfall, chairman of the Teen Organization Management Board, receives the ceremonial key to the RAFT Club from Capt. W. W. Hollister.

### Nation's Biggest

### Armed Forces Day Programs Launched on World-wide Scale

Washington (APPS)—The 1958 observance of Armed Forces Day will be launched world-wide with the opening on May 10 of the biggest military exhibition ever attempted in the nation's capital. The Washington area celebration will be held at Andrews AFB, Md., and will start a week ahead of the traditional date for the military installation open houses. The annual Armed Forces Day parade in Washington will not be held this year in deference to ceremonies for the Unknown War Dead of WWII and Korea, according to Assistant Secretary of Defense Murray Synder.

The decision to cancel the parade, Mr. Snyder said, was made because of the exceptionally heavy military and civilian involvement in the program for the arrival of the Unknown Heroes on May 28, honors in the Capitol Rotunda on May 29, and a four and one-half-mile funeral procession for interment at Arlington National Cemetery on Memorial Day.

Although May 17, the third Saturday in the month, has been set aside as Armed Forces Day, commands and communities have been authorized to schedule programs during the preceding week, May 10, to suit local conditions. This year, so that feature displays and demonstrations presented in Washington may be moved to other cities for exhibition, the area observance has been scheduled a week earlier as a national "kick off" for open house activities and world-wide military installations.

Active and reserve components of the Army, Navy, Air Force, Marine Corps and Coast Guard will participate in elaborate and spectacular displays of the theme "Power for Peace" at Andrews.

The combined attendance over the May 10-11 weekend is expected to exceed 500,000 and will be covered nation-wide by television.

### Hundreds Attend 'First Night' Opening Of RAFT Club, New Station Youth Center

A ribbon-cutting ceremony performed by Station Commander Captain W. W. Hollister marked the official opening of the Station's new youth center, the Recreation and Fun Time Club, last Friday evening.

Over 750 youths and adults were in attendance to witness the ribbon-cutting prelude to the "Open House" for the long-awaited youth center and to see Capt. Hollister present a huge key, symbolic of the occasion, to Patsy Westfall, Chairman of the Teen Organization Management Board.

A second ribbon-cutting ceremony performed by Dr. Wm. B. McLean, Station Technical Director, marked the opening of the new "snack bar" in the center.

Following the opening ceremonies top entertainment was provided the "open house" visitors by 13 youthful winners of the East Pasadena Kiwanis Club's "Search for Talent Contest."

The young Pasadena entertainers, Cheryl Greer, Charles Eamigh; Betty Gurley, Marlene Jack, Phil Kattah, Pat Shaffer, Zita Schwab, Stephen Richmond, Tom Battaglia, Lucille Graf, Vicki Smith, Ellinor Goetz, and Nancy Davis, won the instant approval of our local youth and the adult audience.

The young group came here by chartered bus and were accompanied by W. L. Crist, Rita Landino, Mr. and Mrs. G. C. Kilby of the Pasadena Department of Recreation.

At the conclusion of the "open house" entertainment program the remainder of the evening was devoted to dancing for the teenagers to the music of the "Pastels," popular local dance band. Station officials and Ida Mae (Mady) Williams, Teen Center Director, had high praise for members of the Teen Organization Management Board and the young people who assisted them in making the RAFT Club opening a success.

A "record" dance will be held this Saturday evening at the RAFT Club for present members of the club. Proper dress for members after 6 p.m. is skirts and blouses or dresses for the girls and slacks or uniforms for the boys.

### \$9 Million School Bond Issue Lost

Although strong support was demonstrated locally by voters for the \$9 million school bond issue election last Tuesday for the Kern County Junior High School and Junior College District, the proposal was defeated in more populated areas in and around Bakersfield.

At press time, tallies showed 9,883 voters favored the bond issue and 9,100 opposed, but a two-thirds margin was needed for the election to pass. It is estimated that only 24 per cent of the voters went to the polls.

\*\*\*\*\*  
**ARMED FORCES DAY**  
 MAY 17  
 \*\*\*\*\*

**PROGRAM**  
 8:00 a.m.—Gates open to public  
 9:00 a.m.—Weapon and aircraft displays at Naval Air Facility  
 10:30-12:00—Air show and weapon firings at the Naval Air Facility  
 Lunch break  
 Picnic area open at Kelly Football Field (Halsey and Richmond)  
 1:00 p.m.—Michelson Laboratory open to visitors  
 Continuous showing of NOTS and Navy films at Station Theater  
 1:30 p.m.—SNORT firing  
 3:00 p.m.—SNORT firing  
 4:30 p.m.—End of program

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

The Rocketeer, an authorized Navy publication is printed weekly by Hubbard Printing, Ridgecrest, Calif., with appropriated funds and in compliance with NAVEXOS P-35, Rev. November 1945. The Rocketeer receives Armed Forces Press Service material. All photographs are official U. S. Navy photos unless otherwise specified. Deadlines: News stories, Tuesday, 4:30 p.m.; photographs, Tuesday, 11:30 a.m.

BUDD GOTT  
Editor

PHILLYS WAIR  
Asst. Editor

Marion Goodman, Annex Correspondent (Foothill, phone Ext. 35). Art by Illustration Group, Technical Information Department. Photography by Rocketeer Photo Staff—Bob Farinberry, PHAM, Randy L. Lytle, PHG. Photographers for the Pasadena columns are—Shaw Monsen, A. E. Block, and D. Sanchez.  
Office Building 35, Top Deck — Telephone 71354, 72082, 71657



**ROUND TRIPPER**—Vernon McDonald, ADJAN, of NAF rounds 3rd base after hitting a bases-loaded home run against MCGMTU in a Station Intramural Softball League game played on Thursday evening, May 1. NAF won 11-6.

**Diamond Chatter**

By Ed Townsend

Intra-mural softball is once again underway and for all of you baseball enthusiasts, now is the time to get out and support your Department or Unit's team. Looks like a hot race to see who will be Station Champs. My guess is that the Marine Corps Guided Missile Test Unit and Smith's NAF Team will be battling it out for the first place slot with a lot of stiff resistance from the CPO Club which is certainly an improved team this year.

In other sports, Volleyball and Horseshoes will be drawing to a close this week, then the Table Tennis and Badminton Tournament will get underway. All entries for this tournament must be in the Special Services office by the 23rd of May. Entries can be submitted via military personnel officers or civilian department heads.

**Softball Standings**  
May 2, 1958

Team	Won	Lost
NAF	2	0
CPO Club	2	0
GMU-61	2	0
Misfits	2	0
VX-5	1	0
MCGMTU	1	1
Engineers	1	1
Marine Barracks	1	1
Hospital	0	1
VX-5 Officers	0	2
P&E Dept.	0	2
Crackers	0	2
Pickups	0	2

**GEBA Assessment**  
No. 22 Is Now Due

Assessment number 22 is now due and payable by members of NOTS Government Employees Benefit Association due to the death of James D. Hudgins, Leadingman Laborer in Public Works Department last Tuesday, May 6.

Hudgins' widow, Mrs. Emilie "Mom" Hudgins, received a check for \$665 as a result of his membership in the organization. They reside at 104-B Mitscher.

**Burroughs Students Enter Kern Faculty Day Concert**

An 800-voice, all-district mixed choir will present a concert tonight at Bakersfield College as part of the program of the Kern County Union High School and Junior College District Faculty Day.

The Burroughs High School Girls' Glee Club, under the direction of Dean Skeels, and the acappella choir, directed by George Carson, are participating in the event.

**Health Groups Give Fund Drive Results**

Results of the National Health Agencies on-the-job campaign held at China Lake last February were announced this week by Vernice B. Jensen, Executive Director of the Kern County Heart Association.

Total collections at China Lake amounted to \$3,717.08. This money was divided as follows: \$53.22 for cancer; \$1302.31 for heart; \$14.72 arthritis and rheumatism; \$7.22 muscular dystrophy; \$64.23 multiple sclerosis; \$711.34 mental health; \$933.54 crippled children; \$4.22 blindness; and \$6.22 cerebral palsy.

The report further states that because of a relatively low participation rate the average donation received was \$2.38.

In a letter addressed to Captain W. W. Hollister, Station Commander, the presidents and chairmen of the four participating agencies stated in part: "We, of the participating agencies, wish to extend to you our deep appreciation for your efforts in our behalf, and for the excellent execution of the procedures on the part of those persons in immediate charge of the campaign."

"It is gratifying to us to know that our citizenry recognizes the value of voluntary health agencies." The campaign, conducted locally under the direction of Community Manager Richard C. O'Reilly, was a joint effort on the part of the Kern County Multiple Sclerosis Society, Kern County Society for Crippled Children, the Kern County Mental Health Association and the Kern County Heart Association.

**New Math Teacher**



**Kenneth Capron**

Former publications editor with Technical Information Department, Kenneth Capron replaces Daniel Aherin as eighth grade math instructor in Burroughs Jr. High School.

He is a graduate from Los Angeles State College with a major in English and history. His math experience includes several years of algebra, geometry and trigonometry. Capron plans to continue his studies towards a masters and doctorate degrees.

**Mobile Canteen Routing**

The Navy Exchange facility solicits the cooperation and recommendations of department heads in the utilization of the Navy Exchange Mobile Canteen, according to an announcement this week from LCDR. S. L. Travers, Navy Exchange Officer.

All departments, buildings, shops, areas and ranges are requested to contact L. A. Wright at the Navy Exchange Restaurant, Ext. 71586 if they desire the service of this unit.

**EMCO Reports...**

Reports on vehicular traffic, basis of awarding housing points, the effect of radiation from annual X-ray examinations, processing of performance ratings, rumors and old business were items discussed at the April Employee-Management Council meeting.

**Safe Driving Council**  
Statistical results of the vehicle count in the vicinity of the high school showed that the volume of traffic warranted keeping the streets open. Public Works was requested to take action on repairing the crosswalks within the school area.

Captain Anderson of the Station hospital has requested that all but emergency traffic refrain from using the area back of the Station infirmary.

**Referral Items**  
The question of why housing points are not awarded for total length of service instead of time on Station was explained. Housing points are awarded for NOTS time only, in that they are earned by being at NOTS. The housing policy of a few years ago illustrates this point. Pasadena time used to be credited at one-half point, a month on the basis that these employees were not "roughing" it like China Lake personnel.

Since this seniority is a measure for housing assignments, it is only logical that persons that have weathered the housing conditions should receive some acknowledgment. The NOTS 5 and 10-year pins were established on a similar principle.

**X-ray Exams**  
Regarding the subject of the seriousness of exposure to X-rays in the annual mass examinations of civilian employees, and whether or not mass examination is mandatory, Captain Anderson, Medical Officer advised that the Navy Department has established a requirement that all employees receive a chest X-ray annually to aid in the early detection of tuberculosis, lung cancer and other lung diseases.

The radiation exposure of the chest X-ray taken on 70mm film is minimal. For further protection, a heavy lead screen is being erected to protect the parts of the body not being X-rayed.

Employees who have received their chest X-ray or have undergone multiple exposure to X-ray during the year should advise the technicians and the Medical Officer. If chest X-rays have been taken within six months of the annual examination, the plates should be examined by the Medical Department.

Submission to chest X-rays is mandatory. The 61 cases of possible TB scattered throughout the shops and housing area constitute more-than-adequate basis for continued mass X-ray examinations.

Emphasis has been placed on the necessity for examining the older age group personnel. This segment of our population might very well account for the sustained rate of transmission and case rate of tuberculosis.

To become panicky and blindly refuse all chest and dental X-rays is to jeopardize one's health. If in doubt, ask for your doctor's advice.

**Performance Ratings**  
New action dates for processing performance ratings requiring various panel approvals were established to avoid the official awarding from taking place late into the summer. There is no violation of the spirit or intent of the law for the following reasons:

● If the employee has performed at a certain level for 11½ months, it is unreasonable to expect that his performance will deteriorate in the final two weeks of the rating period.

● Even though paper work or official ratings is being processed, the supervisor can withdraw his recommendation at any time before the expiration of the rating period.

● No performance ratings were officially awarded until April 1, 1958.

**General**  
Findings of the Security Division on investigation of damages to privately-owned trailers revealed that

**COMING EVENTS**



**Kids Film Society**  
The last film showing of the season for the Children's Film Society will be held tomorrow at 10 a.m. in the Station Theatre.

Scheduled to be shown will be: "Coral Wonderland," underwater photography in Australia; "Heads Up!" a safety film, and cartoons.

**RN Club Sponsors Hospital Open House**

Hospital Day will be observed next Sunday, May 11, by an Open House Tea to be held from 2 to 5 p.m. in the Ridgcrest Hospital Reception room in honor of Florence Nightingale's birthday.

Sponsored by the local RN Club, the event will feature an orientation tour of the hospital facility for the Burroughs High School seniors. The general public is invited to participate.

**Natural Science Club**

The public is invited to attend the China Lake Natural Science Club meeting to be held next Monday, May 12, at 8 p.m. in the Community Center.

Featured will be a lecture by Dr. Theodore Downs, Curator of Vertebrate Paleontology at the Los Angeles County Museum who will speak on fossil vertebrates from Southern California.

**AOA Meeting**

"Operation Farside" will be discussed by Major Ernest Davis of the Air Force Office of Scientific Research at the American Ordnance Association luncheon meeting at 11:30 a.m. next Wednesday, May 14, in the Commissioned Officers Mess.

Major Davis was the first Air Force Project Officer on this operation. His talk will be classified. Confidential. Reservations for members and their guests may be made by calling Ext. 9281 or 9297 before noon on Tuesday, May 13.

**AFGE Lodge Meets**

The next general meeting of the American Federation of Government Employees, Lodge 1781 will be held next Wednesday, May 14, at 7 p.m. in Room A of the Community Center.

**Kennel Club Planned**

Dog owners interested in the organization of a Kennel Club are requested to contact Judy Hamilton, Ext. 74071, or Dixie Lee Specht, Ext. 73072.

Purpose of the club is to promote dog shows, conduct obedience classes, and receive instructions in dog grooming, and nutrition.



(New All Faith Chapel services effective Sunday, Nov. 3, 1957)

Christian Science (Chapel Annex)  
Sunday School—9:30 a.m.  
Morning Service—11 a.m.  
Episcopal (North end of chapel annex)  
Holy Communion—7:30 a.m.  
Sunday School—9:30 a.m.  
Morning Prayer—11 a.m.  
Protestant (All Faith Chapel)  
Morning Worship—9:45 and 11 a.m.  
Sunday School—9:30 a.m. Graves and Richmond elementary schools.  
Roman Catholic (All Faith Chapel)  
Holy Mass—7:30 a.m. and 4:45 p.m.  
Sunday  
6:30 a.m. Monday through Friday; 8:30 a.m. Saturday.  
Confessions—8 to 8:25 a.m., 7 to 8:30 p.m.  
Saturday, Thursday before First Friday—4 to 5:30 p.m.  
NOTS Hebrew Temple—Halsey Street.  
Services every second Monday and fourth Friday, 8 a.m.

**What's Doing - IN RECREATION**

By Jean Cone, Recreation Director

Ray Herbeck and his "Music With Romance" orchestra will headline the adult Station Dance in the Community Center on May 23. This famous orchestra has appeared at the Cocoanut Grove and Beverly Hilton in Los Angeles as well as most top theatres from New York to California. There will be no admission and all adult Station personnel are invited to attend.

**Lone Pine Stampede**  
On May 9-10-11 Lone Pine cattlemen and businessmen will sponsor the 18th Annual Stampede. The festivities will start on Friday afternoon with a packing contest and pet parade. RCA (Rodeo Cowboys of America) rodeo will be held at 1:30 p.m. Saturday and Sunday afternoons. The rodeo grounds are situated at the base of Mt. Whitney which provides a magnificent background for this event. On Saturday night a dance will be held in the Lone Pine Town Hall.

An interesting side trip to take in that area is the Alabama Hills. Motion picture companies are often on location in this picturesque area. It can be reached by taking the Whitney Portals road out of Lone Pine.

**Disneyland Tickets**  
A variety of new developments plus a nightly spectacular summer fireworks show have been added to the 60 acres of fun-filled playgrounds at Disneyland. Among the recently added attractions this spring and summer are a train ride through the breath-taking Grand Canyon, a cruise down the river in a three-masted sailing vessel of 1790 vintage, and a journey through the Rabbit Hole in the exciting world of Alice In Wonderland.

A larger variety of discount ticket books to Disneyland has been received and are available at the Special Services Office, Room 2, Second Deck, Housing Building. Prices for books of tickets, including admission, are as follows:

**Ten-Ride Ticket Books:** Adult, \$2.70; Junior, \$2.25 (12 thru 17); Child, \$1.80 (under 12).

**Fifteen-Ride Ticket Books:** Adult, \$3.60; Junior, \$3.15; Child, \$2.70.

**Twenty-Ride Ticket Books:** Adult, \$5; Junior, \$4.50; Child, \$3.50.

**Military 10-Ride Books:** Adult, \$2.50.

To obtain Military rates Servicemen must be in uniform or show their ID cards.

**Golf Club Tournament**  
Plans for a Station Championship Golf Tournament over the Memorial Day Weekend are being completed by the China Lake Golf Club. It will be a 54-hole play tournament. Tentative entry dates have been set for the week of May 18-24. Further information can be obtained from the tournament director, Earle Roby, Ext. 72768 or 72884.

**Film Society**  
The final showing in the 1958 series of the China Lake Film Society will be on May 14 and 15. The picture will be "Annapurna," which is a documentary of the ascent and descent of the 26,000 foot peak in the Himalayas. This French film is in color and will start at 8 p.m. in the Anchorage.

**Coming Space Film Subjects Announced**

Weekly showings of Space Technology films are scheduled each Friday afternoon at 1 p.m. in the Station Theatre. Titles and abstracts of today's films were given in last week's Rocketeer.

Subjects for next week's showings are "Solid Rocket Design" by John I. Shafer of Jet Propulsion Laboratory, California Institute of Technology, and "Future New Propulsion Systems" by Robert W. Bussard of Los Alamos Scientific Laboratory.

Mr. Shafer will describe the basic chemical constituents, and engine parts: case, grain and nozzle, as well as the burning rate and typical parameters, such as port-to-throat area and burning surface. He will discuss regressive, progressive and neutral burning. The art of grain design and the historical progress of propellant and engine performance will be covered.

Other areas to be discussed include: the heat transfer problem, gamut of burning rates, pressure and thrust durations, combustion stability, ignition and thrust termination, relative merit of solid and liquid engines and suitability of solids for space application.

Mr. Bussard will discuss the nuclear reactor heat exchanger and the influence of molecular weight on impulse. He will consider the choice of working fluids and the probable temperature and power density requirements and limits for convective heat transfer nuclear engines.

Reactor startup and shutdown, radiation leakage, hazards, and shielding will also be considered. Experimental testing problems, schemes for exploiting fission energy without use of solid heat transfer boundaries, and other nuclear energy sources will be covered.

**Public Works Notice**

Tenants are requested not to use utility rooms as personal storage rooms since this interferes with the Public Works Department preventive maintenance crews.

**News From Pasadena**

**Length of Service Pins Are Awarded At All Hands Meets**

Sixty-five length of service award pins were presented at all-hands meetings this week. Three were for 20 years of civil service, forty-six were for 10 years' service at NOTS, and sixteen were for five years' service at NOTS.

Receiving twenty-year pins were Francis W. Donnelly of the Public Works Department, C. V. Heath of Engineering, and Elmer Creed of Supply.

**10-Year Pins**  
Recipients of ten-year pins are listed below by department:

**Administration Division, Pasadena**—L. M. Blom, Carl J. Degan, Carl O. Hanson, Lynne Jordan, Harold C. Lakes, Madeline Nelson, Ethel Nichols, Henry Pfaff, Josephine A. Rofor, Ruby Todd, and Fred VanDenBrouck.

**Supply**—Frankie Hawkins.  
**Engineering**—H. L. Alden, Roman Curtis, John Davies, and N. P. Geldsen.

**Personnel**—Marion L. Kelly.  
**Public Works**—Gerald H. Bell, Michael A. Drabik, Conrado Galvez, Charles Jacobs, Elwood P. Waltz, and Dean Richards.

**Underwater Ordnance Department**—Paul Warnshuis, Francis Baldwin, Ernest Crescenti, Jack Sayre, George Strom, Herman Torckelson, Merton Welch, Alfred O. F'ey, Wendell Alexander, Albert Benkart, Robert Boyls, John Busik, Jack Davis, Champ Little, Martin Nuss, George Sada, Clifford Shellman, I. G. Dipple, Edward Sterkel, Douglas J. Wilcox, John Gannon, William Knunow, and Alexander B. Arranaga.

**5-Year Pins**  
**Supply**—Nancy Reagan, Sally Kessler, Alice Ledward, and Lucy Rowe.

**Engineering**—J. O. Bankston.  
**UOD**—Thomas Fahy, Clarence Ramstedt, Robert Schroeder, Mabel Mann, Howard Smith, Marlene Boberick, Vern L. Updegraff, Mildred Moen, Nadine Robinson, John Mulken, and Wesley Schorr.

**RAT Exhibits Are Displayed**

The Navy's Rocket-Assisted Torpedo (RAT) exhibits, which are composed of a dummy missile and a display, have been traveling through the state of California from San Diego to China Lake and then to Washington, D.C.

Recently, the exhibits have been displayed at the Home Show in San Diego, the Naval Air Station in El Centro, the Western Space Age Conference and Exhibition at the Shrine Auditorium in Los Angeles, and Michelson Laboratory at China Lake. Also, one of the exhibits has been forwarded to the Bureau of Ordnance where it is on display at the Main Navy Building in the Pentagon.

The display is composed of a box containing a functional picture of how the RAT system works from the time it is launched until it kills the submarine. A slide projection consisting of 12 slides showing the sequence of events from assembly through firing is included; also, the various support facilities used in developing the system are listed.

**Capt. Sellar's Script To Be Shown on TV**

Capt. Brown F. (Mike) Sellar, former Officer in Charge of Pasadena Annex and later Executive Officer and Station Commander, has written a script entitled "USS-331."

The script concerns the second longest submarine patrol of World War II.

This is a true story which will soon be presented on the Silent Service television series.

**RAT and POP-UP Displays To Be Presented Saturday**

A display of NOTS-developed missiles and torpedoes, including RAT and POP-UP, will be presented at the all-service open house to be held on Armed Forces Day, Saturday, May 17, from 10 a.m. to 9 p.m. at Victory Park, Paloma and Sierra Madre Bivds., Pasadena.

Also on display from NOTS Pasadena is "Jake," the dummy diver, fully clothed in 190 lbs. of deep-sea diving equipment. The Engineering Department will demonstrate the use of precision measuring instruments used in the Gage Laboratory.

The all-service open house, which is the largest in Southern California, will display over three acres of military equipment and demonstrations.

The Navy, Army, Air Force, Marine Corps, and Coast Guard have combined their efforts to show Southern California residents the 1958 Armed Forces Day theme—Power for Peace.

The public is invited to view and photograph the equipment, displays, and exhibits gathered throughout California.

**3 UOD Employees Receive SA Awards**

Superior accomplishment awards have been presented to three people in the Missile Development Division, Underwater Ordnance Department—Paul Warnshuis, Paul Reichert, and Charles Black, each making outstanding contributions to the ASROC program.

Paul Warnshuis was commended for his leadership in a newly organized group and particularly for his contributions in the field of aerodynamics.

Paul Reichert earned the award for his efforts in design of components.

Charles Black was particularly outstanding in the preparation of standard fire control symbols for the program.

**Final Meeting of Overseas Club To Be Held Sat.**

The NOTS Overseas Club will meet tomorrow afternoon, May 10, 2 p.m., at the Odd Fellows Temple, corner Lime and Ivy Streets, Monrovia. This will be the final meeting before departing for a 30-day European vacation beginning May 28, according to Leonard Semeyn, chairman of the club.

In addition to numerous countries included in this trip, the group plans to visit the Brussels World Fair in Brussels, Belgium, in June.

Airline tickets will be distributed at this meeting. Anyone who is not able to attend this meeting will receive his tickets by registered mail next week.

**Tech. Lecture On "U/W Visibility"**

"Underwater Visibility" is the subject of a technical lecture to be given by Dr. Siebert Q. Duntley this afternoon at 1:30 in the Building 7 conference room. This lecture is presented by the Technical Lecture Subcommittee of the Employee Development Committee.

Dr. Duntley is the director of the Visibility Laboratory at Scripps Institution of Oceanography.

**Annex Visitors**

Visiting here recently were Capt. George N. Robillard, USN, Assistant Chief of Naval Research for Patents, Washington, D.C., and G. D. O'Brien, Patent Counsel, Bureau of Ordnance.

Other visitors include William C. Chamberlain, Naval Ordnance Laboratory, White Oak, and Midshipman George W. Trammell, Naval Weapons Course, NROTC, University of Southern California.

Most Civil Service employees live and work outside of Washington, D.C.

**Pasadena Profile**



**Lloyd Z. Maudlin**

Lloyd, who is the head of the simulation branch, Guidance and Control Division, Underwater Ordnance Department, is well known here for his work on the Hydrodynamic Simulator.

In recognition of the simulation techniques developed here in the torpedo field, he and others in the group received a Meritorious Civilian Service Award in December 1953.

He began his career at NOTS in March 1931 as a physicist in Guidance and Control Division. Previously, he operated and managed an 80-acre farm in Iowa.

During World War II, his overseas duty was in England where he served as a Staff Sergeant in the Army Air Force.

He received his Bachelor's degree in physics from the University of California at Los Angeles and his Master's degree from the University of Southern California.

Maudlin, and his wife Lauralee, have four children—Craig, 11; Lynne, 5; Alicia, 3; and Dawn, 1½. During his spare time, he enjoys putting in his garden at home and photography.

**Paine Earns Promotion**

Thomas B. Paine, who is participating in the Professional Development Program, received a promotion from a physicist, GS-5, to physicist, GS-7.