

Vacancy Reported On Council Board

Candidates are being sought for another opening on the Community Council board of directors—this time from Precinct Three.

Precinct Three, formerly represented by Henry Strauss, who has resigned, includes the Prefab, Hawthorne and LeTourneau housing areas. Residents interested in filing nomination petitions for the vacancy may obtain the necessary papers from Mrs. George Mayberry at the Community Council office.

The completed petitions must be returned no later than 5 p.m., June 8, and the election of the new board member will be made later that evening at the Community Council's regular meeting.

Charles V. Bradley, former president of the Supervisors Association and an active member of that group, was elected this week to fill the Precinct Five vacancy created by the resignation of Dr. Howard Fisher.

RESERVE AIRMEN TO MEET

China Lake Air Force reservists tonight will receive Col. Cecil E. Edgar, commanding officer of the 9084th Air Reserve Group of Fresno, and his staff at a dinner party and meeting. Maj. Charles J. Thelen, head of the local flight, will be host at the dinner and later at the training session which will start at 8:30 o'clock at the new community building.



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

TODAY	MAY 14
"LITTLE CAESAR" (80 Min.) Edward G. Robinson, Douglas Fairbanks Jr. Shorts: "Popeye's 20th Anniversary" (7 Min.) "I Remember When" (10 Min.)	
SATURDAY	MAY 15
ARMED FORCES DAY FILMS, 1-9 p.m. No feature movie scheduled	
SUNDAY	MAY 16
ARMED FORCES DAY FILMS, 1-3 p.m. "DRUMS ACROSS THE RIVER" (78 Min.) Audie Murphy, Lisa Gaye Shorts: "Black Fury" (32 Min.)	
MONDAY	MAY 17
"DRUMS ACROSS THE RIVER" (78 Min.) Audie Murphy, Lisa Gaye Shorts: "Black Fury" (32 Min.)	
TUES.-WED.	MAY 18-19
"FIREMAN SAVE MY CHILD" (81 Min.) Bobby Hackett, Spike Jones Shorts: "A Horse's Tale" (7 Min.) International Road Race (8 Min.) News (10 Min.)	
THURS.-FRI.	MAY 20-21
"WITNESS TO MURDER" (82 Min.) Barbara Stanwyck, George Sanders Shorts: "Socco in Morocco" (7 Min.) "Rocket Wizard" (10 Min.) News (10 Min.)	



SAXOPHONISTS Ken Osborne, left, and Charles Rock, together with Larry Ferris, on the drums, brought down the house at last week's amateur show. The three Burroughs High School students scored both in their musical ability and their humorous attire as they won first place in the 14 to 18-year-old division of the talent contest.

4th Public Works Amateur Show Draws Large Crowd at Theater

A near-capacity crowd was on hand Thursday night, May 6, at the Station theater to applaud the performances of 44 contestants in the fourth annual Public Works Amateur show.

In addition to the regular performers, three guest artists appeared on the program and there was intermission music provided by the Burroughs High School band, under the direction of Dr. C. Paul Harper.

For the third straight year, Priscilla Montegrando, daughter of Mr. and Mrs. Santiago Montegrando of China Lake, was an amateur show guest. She sang three selections as did Colleen Sue English, a young vocalist from Los Angeles, who also was invited to appear on the show.

The other guest performer was Louis Papier, a Personnel Department employe, who formerly was first violinist with the Phoenix Symphony Orchestra.

Prize money was given to each of the contestants in the 1 to 9 year old age group, which was topped by the vocalizing of Gene Quinonez, 9, who sang "It's a Sin to Tell a Lie."

Other performers in this age group, listed in the order they were rated by applause meter judges CDR E. E. Gibson and Louis P. Puglistaler, were Patricia Jean Vore and Tandee Barnett, singers; Fay Raskamp, accordionist, and the Rector sisters, Maunette and Kayleen, who presented a musical reading with accordion accompaniment.

In the 10 to 13 year age group, another member of the Quinonez family took top honors, also with a song. Ann Quinonez, 11, sang "There'll Be Some Changes Made."

Other winners in this division were Jon Eden, 13-year-old pianist,

who placed second, and Paul Neipp, whose violin solo won him third place money.

Three high school instrumentalists, Larry Ferris, drummer, and Charles Rock and Ken Osborne, saxophonists, won first place in the 14 to 18-year-old group with their jazz selection and unorthodox garb, while singers Willie Carr and Francine Christie won the runner-up honors.

Five vocalists were entered in the adult division, which was won by Richard Bobbe, who sang "Desert Song." Second and third place cash awards went to Ralph Claassen and Jim Talmadge, respectively.

A \$50 check was presented to Dr. Harper on behalf of the Burroughs High School band by CDR T. E. Barnett, assistant Public Works officer, who served as master of ceremonies on the program.

Drama Festival Continues Tonight

Three one-act plays will be presented this evening at the Richmond school auditorium by the China Lake Players.

The spring drama festival which opened last night will feature "Altruism," a story about life in a Paris cafe; "A Sunny Morning," a comedy about Spanish life, and "A Slave With Two Faces," an allegorical drama.

Curtain time for the program is 8:15. Admission will be 75 cents for adults and 50 cents for students and servicemen. Tickets are available at the door or may be obtained from any member of the group or by contacting Mary Wickenden at 77634.

Voting Scheduled May 21 for School Trustee Election

Registered voters at China Lake will go to the polls next Friday, May 21, to elect three new members of the local elementary school district board of trustees, and also to cast their ballots in the Kern County Union High School District trustee election.

The polls, which will be open from 7 a.m. to 7 p.m., will be located at the Richmond Elementary School auditorium.

Joseph Haycock, president of the China Lake board for the past year, is running for re-election. He is the only candidate for the three year term on the local elementary school board.

Five Station residents are seeking one of two new short-term school board openings, created by the expansion of the local board from three to five members this year. The person receiving the highest number of votes will serve for two years, and the runnerup will be on the board for one year.

Candidates are George Adam, an electrician in the Rocket Department; Robert H. Olds, a research scientist in the Research Department mathematics division; Richard D. Potter, head of the Research Department's metallurgy branch; Lewis Radcliff, a planner and estimator in the Rocket Department; and Dr. N. E. Ward, head of the Aviation Ordnance Department.

Albert S. Gould, assistant head of Central Staff, is one of two incumbent members of the Kern County Union High School District board of trustees, seeking re-election. The other is Emil Bender, a Shafter area farmer. Other candidates for the county board are John J. Battistoni and Hugh Sill.

PTA To Install Officers Thursday

Installation of new officers will highlight a general meeting of the China Lake PTA, scheduled next Thursday at 8 p.m. at Vieweg auditorium.

Officers to be installed for the coming year are Mrs. John Clemente, president; Dr. Ivar Highberg, vice-president; Laurita Hefner, secretary; and Harold Metcalf, treasurer.

Other officials who will be seated are Arthur Maxwell, director of organization; Mrs. Lyle E. MacLaren, director of education; LeRoy Jackson, director of welfare; Mrs. Donald Hartvigsen, director of home service and Lt. Col. J. O. Blackwell, director of health and recreation.

Guest speaker of the evening will be Dr. Robert Hicks, who will give an address on "Family Life." Dr. Hicks is a noted educator, administrator and lecturer. He is associated with the American Institute of Family Relations in Los Angeles.

THE WEATHER

Clear over the week end, with light variable winds, picking up to 10 or 15 knots in the afternoon. Maximum temperature, 98; minimum, around 60 degrees.

Rocketeer

TEMPERATURES (Housing Area)

	Max.	Min.
May 6	98	57
May 7	99	56
May 8	91	61
May 9	77	55
May 10	90	54
May 11	94	55
May 12	94	58

VOL. X, NO. 19

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

MAY 14, 1954

Gala Armed Forces Day Fete Planned

Music, Dancing To Highlight Annual China Lake Fiesta

Bennington Plaza will rock on its foundations tonight when the George Lewis aggregation will provide a variety of the nation's top jazz tunes for dancing, at the opening of the Community Council's ninth annual three-day Fiesta.

Playing "the most dancinest music ever," the country's foremost exponents of New Orleans ragtime jazz will bring to China Lake an assortment of musical arrangements that have been acclaimed as the nation's contribution to the music of the world. Dancing will start at 8:30 p.m. and continue until midnight.

The dance is being sponsored by the Enlisted Men's Club in cooperation with the Community Council. Tickets are priced at \$1 each and are available at the Bank of America, the Commissary Store and various other places, as well as through a house-to-house solicitation.

A midway-like arrangement has been set up at Bennington Plaza and more than 40 concessionaires will offer everything from fried chicken, hot dogs and barbecued beef, to games, novelties and a spook house. Booths will be open from 6 p.m. until midnight, Friday, and from noon until midnight, Saturday and Sunday.

Saturday evening there will be a square dance at the Station tennis (Continued on Page Five)

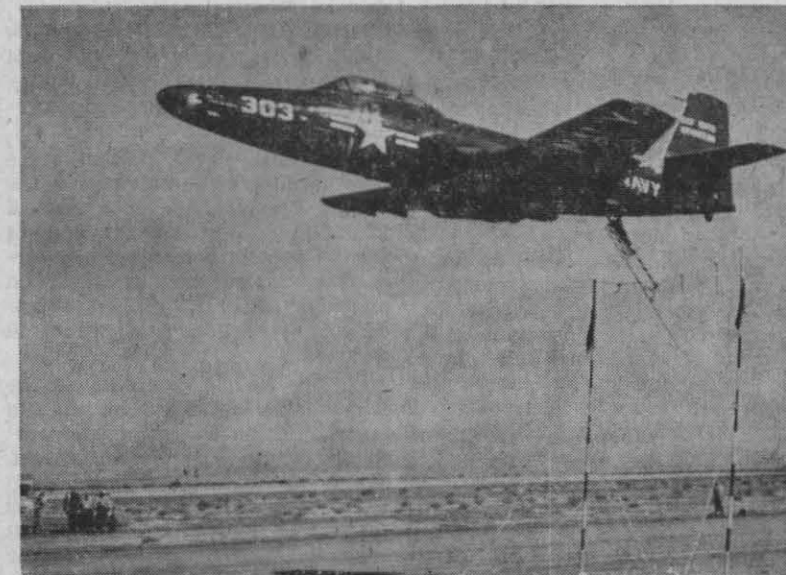
Open House Set At New Building

A special open house program has been planned Sunday from 2 to 5 p.m. at the new community center building on Blandly Ave.

Furniture and drapes recently installed in the meeting rooms and lounge at the west end of the building will be on public display for the first time Sunday. The soda fountain facility also will be open.

Hosts for the occasion will include top Station officials and members of the board of directors of the new community building.

Musical entertainment during the open house will be provided by a Burroughs High School instrumental ensemble, directed by Dr. C. Paul Harper.



PICKUP OF TOW TARGET is made by an F2H Banshee, Navy jet plane, in preparing for the Armitage Field airshow tomorrow morning from 9:30 to 11:30 o'clock in observance of Armed Forces Day. This operation, firing of rockets and aerial cannons will be among the many features of the program. There will also be static displays of survival gear, drones and newest types of Navy planes in use at the field.

Aerial Program, Laboratory Tours To Be Featured

A spectacular two-hour air show at Armitage field will spark the opening of the Station's annual Armed Forces Day program, scheduled tomorrow and Sunday.

Visitors attending the Armed Forces Day celebration will be issued special passes by the Marine sentry at the Main Gate. The passes will be available today beginning at 5 p.m.; tomorrow from 7:30 a.m. on, and Sunday from 12 noon on.

These passes must be returned to the sentry and visitors must leave the Station by midnight each evening.

Guests of Station employes wishing to remain overnight must obtain a "Wiz" pass at the pass office.

The theme, "Power for Peace," and the military-civilian teamwork at NOTS that is making this slogan a reality, will be vividly demonstrated both in the air over Armitage field, and the vast array of exhibits set up by personnel of the various technical departments in Michelson Laboratory, at the Aero- (Continued on Page Five)

Armed Forces Day Open House Program

SATURDAY

- 7:30 a.m. Main Gate open to visitors.
- 9:00 a.m. Memorial service at Armitage field. conducted by Chaplain James L. Carter.
- 9:30 a.m. Air show opens at Armitage field, featuring aerial rocket firing and static displays of aircraft and aviation equipment.
- 1 to 5 p.m. Tours of Michelson Laboratory and the Aeroballistics Laboratory.
- 1 to 9 p.m. Special free movie program at Station theater. Shows start every hour on the hour.

SUNDAY

- 12 Noon Main Gate open to visitors.
- 1 to 5 p.m. Tours of Michelson Laboratory and the Aeroballistics Laboratory.
- 1 to 3 p.m. Special free movie program at Station theater. Show starts every hour on the hour.

Station Officials To Appear on TV

CDR S. W. Vejtasa, commanding officer of the Naval Air Facility, and Dr. Howard A. Wilcox, of the Aviation Ordnance Department, will be seen on television tomorrow afternoon over Station KHJ-TV, Channel 9, between 4:30 and 5 o'clock in "Seapower for Peace."

This weekly feature, with Seaman Gene Gordon the master of ceremonies, has a wide viewing audience. Tomorrow's program will bring an interview with the NOTS guests about the Sunday open house at China Lake in honor of Armed Forces Day, with emphasis on the tours through Michelson and Aeroballistics Laboratories from 1 to 5 p.m.

Also discussed will be the NOTS teamwork of Navy and civilian scientists, and some of the unclassified angles of the missiles produced at China Lake and the Pasadena Annex. Specimen rockets will be used as examples.

Station Grows from Desert Wasteland

In November 1943 a letter from Secretary of the Navy Frank Knox officially established the U. S. Naval Ordnance Test Station, setting in motion activities that have transformed the China Lake area from a barren desert wasteland to a modern community of more than 10,000 persons dedicated to the research, development and testing of weapons.

The Station had its beginning in World War II, when the nation organized a program to develop rockets with all possible speed. Part of this program was carried out for the Navy by the California Institute of Technology in Pasadena, operating under contract to the Office of Scientific Research and Development.

Looking for a vast, unpopulated area where rockets could be fired without endangering anyone and where their work would also be safe from prying eyes, the scientists and Navy officials found what they wanted in the desert basin known as Indian Wells Valley, and its encircling mountains.

A large construction program was started. Test ranges, temporary laboratories and other structures for research were hurriedly erected. The Station's mission was research, development and testing of rockets and guided missiles, together with providing primary training in their use.

Modern Community Started

In 1945 it was decided to make the Station a permanent and highly developed facility of the Navy Bureau of Ordnance, and work was started on construction of an up-to-date community, with homes, schools, a shopping center and other permanent buildings which have since transformed the one-time desert test outpost into a neat and attractive community.

Michelson Laboratory, one of the largest and best-equipped buildings of its kind, is the research center of the Station. It was built at a cost of \$8 million and was dedicated in May 1948.

Named for Albert Abraham Michelson (1852-1931), an Annapolis graduate who was America's first Nobel prize winner in the field of physics, the laboratory is equipped for basic and applied research in physics, chemistry, aerophysics, metallurgy and ballistics, as well as for development work on propulsion, fire control, and guidance systems for rockets and other missiles.

Armitage Field

Armitage field, the Station's air facility, is an important supporting activity. It provides facilities for testing and evaluating ordnance equipment, including airborne fire control gear.

In addition to its extensive runways, Armitage field has a simulated carrier deck complete with launching and arresting gear.

Well away from the housing area are the aircraft and ground ranges needed to conduct the endless tests that go into successful development



Captain D. B. Young
... Station Commander

of new missiles. The latest addition to these facilities is the Supersonic Naval Ordnance Research Track (Project SNORT), a precision railroad track nearly four miles long used to test missiles and other ordnance items at supersonic speeds.

The Randsburg Wash activity, situated approximately 25 miles to the southeast of China Lake, is a test range also used to evaluate the performance of various missiles.

Research and development devoted primarily to underwater ordnance are carried on at the Station's Pasadena Annex. There, a portion of the Pasadena Command Administration, personnel offices and headquarters

of the Underwater Ordnance Department are located in Thompson Laboratories, while the Foothill Plant of the Annex is headquarters for the Station's Design and Production Department.

Foothill Plant

At Foothill, extensive shops, including a foundry, produce prototypes of weapons and components and work out production problems before contracts are awarded to industrial manufacturers.

Other Pasadena facilities include installations at the Morris Dam reservoir, near Azusa, where underwater missiles are tested and water-entry problems are studied.

Morris Dam is the location of the only Variable Angle Launcher in the United States. Built at a cost of \$2 million, the launcher simulates the release of projectiles from aircraft at controllable velocities and angles of attack. It may be adjusted to any vertical angle up to 40 degrees.

On the same peninsula as the launcher are the shops, test pits and laboratories for the underwater propulsion applied research groups. There, test stands for model performance studies provide facilities for final engineering and design work on new engines and engine components.

Underwater and air-to-water rockets also are tested by the Underwater Ordnance Department on ranges at San Clemente Island, sit-



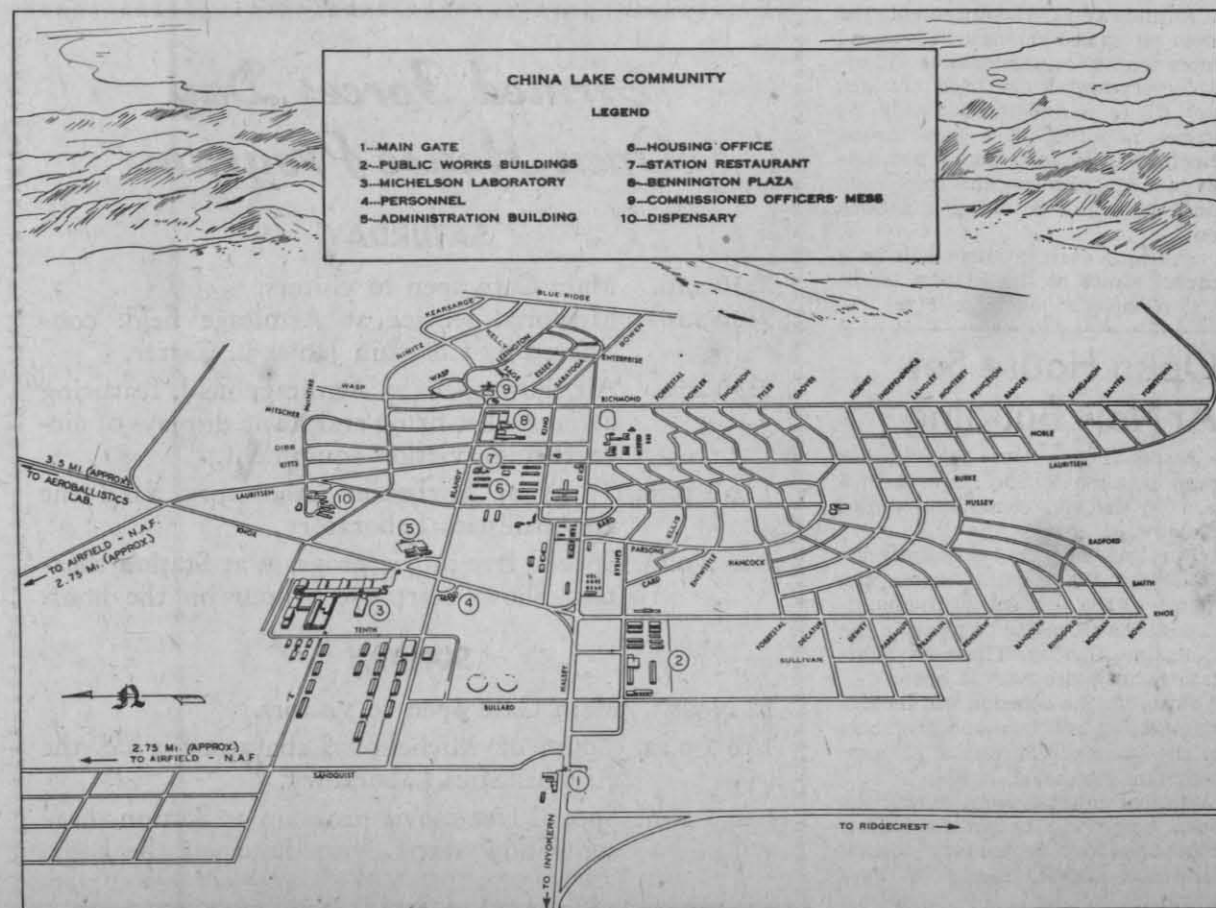
Dr. W. B. McLean
... Technical Director

uated about 60 miles off the California coast between Terminal Island and San Diego, and also at the department's Long Beach ranges.

The Naval Ordnance Test Station is under the command of Captain D. B. Young, USN, a naval aviator. Organization of the Station is unique in that it places the direction of research under civilian control—a new idea for military scientific centers. Heading the civilian team is Dr. W. B. McLean, Station Technical Director.

The Navy and its civilian scientists and technicians regard this plan as playing an important role in the successful operation of the Station.

Guide to Armed Forces Day Visitors



A Proclamation

By the President of the United States of America

WHEREAS the members of the Armed Forces of the United States have constantly demonstrated their loyalty and devotion to the service of their country; and

WHEREAS the men and women of the Armed Forces are actively engaged, at home and overseas, in upholding and defending our democratic way of life as opposed to ideologies which seek to destroy the basic principles of freedom cherished by this Nation; and

WHEREAS it is appropriate that on a special day each year our Armed Forces demonstrate to the people of the United States and our friends overseas their increased teamwork and efficiency and their technological advances; and

WHEREAS it is fitting and proper that all our citizens devote one day each year to paying special tribute to our fighting forces as the protectors and defenders of our Nation:

NOW, THEREFORE, I, DWIGHT D. EISENHOWER, President of the United States of America and Commander in Chief of the Armed Forces of the United States, do hereby proclaim Saturday, May 15, 1954, as Armed Forces Day, and I direct the Secretary of Defense and the Secretaries of the Army, the Navy and the Air Force, as well as the Secretary of the Treasury on behalf of the Coast Guard, to mark that day with appropriate ceremonies and to cooperate with civil authorities in suitable observances.

I invite the Governors of the States, Territories, and possessions of the United States to provide for the celebration of the day in such manner as will pay suitable honor to the members of the Armed Forces.

I also call upon my fellow citizens not only to display the flag of the United States on Armed Forces Day but also to manifest their recognition of the sacrifice and devotion to duty of the men and women of the Armed Forces by attending and participating in the local observances of the day conducted by the Armed Forces and the civil authorities.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington this twenty-fifth day of January in the year of our Lord nineteen hundred and fifty-four and of the Independence of the United States of America the one hundred and seventy-eighth.

(SEAL)

DWIGHT D. EISENHOWER



WINNER in the roses division of the recent Garden Show, was Mrs. Helen Bradley, center, shown receiving a first place blue ribbon from Mrs. A. L. Roberts, one of the show planners, and Mrs. D. R. McAllister, a judge in the annual event sponsored by the Women's Auxiliary.

Dr. Farley Resigns From Elementary School Position

The China Lake Elementary School board last week announced the resignation of Dr. Melvin Farley as assistant superintendent of schools.

Harold Pierce, principal of Richmond Elementary School, has been named to succeed Dr. Farley. The resignation and new appointment will become effective upon the completion of this year's school term.

Dr. Farley has been at China Lake for the past eight years. He has served in his present capacity for the past six years, and for two years prior was the local elementary supervisor.

Before coming to China Lake, he completed his doctorate at Stanford University. He has been principal of several schools in the northern part of California, and has also taught at Corning in the Sacramento Valley.

Dr. Farley stated that he has no immediate plans for the future.

Mr. Pierce first came to China Lake in the fall of 1946 to coach at Burroughs High School. In 1951 he was named principal of Burroughs Junior High School, and the next year took the principal's post at Richmond Elementary School.

Prior to coming to the Station he conducted teacher training at the Central Michigan College of Education at Mount Pleasant, Mich.

He and his wife, Elizabeth, and their three sons, Mike, Pat and Jack, are now living at 405-A Dibb road.

Girl-of-the-Month Selection Announced

Kathy Cleary, junior student at Burroughs High School was announced recently as winner of the "Girl-of-the-Month" award presented by the Girl's League.

Winners Named In Garden Show

Winners in the second annual Garden Show, sponsored by the Women's Auxiliary, were announced this week.

First place ribbons in the various categories were awarded to W. A. Field, 52-A Nimitz, and CDR L. W. Roberts, 502 Essex Circle, landscape; Helen Bradley, 528-B Nimitz, roses; W. N. Stark, 69-B Rodman, lawns; and V. C. Hinrichsen, 202-A Mitscher, patio.

Runners-up were M. C. Lipp, 706 Saratoga, landscapes; W. N. Stark and L. C. Hedrick, 507-A Saratoga, a tie for second place in the roses division; M. C. Lipp and Capt. C. A. Salser, 702-B Kearsarge, a tie in the lawns division; and Capt. Salser, patio.

Other exhibitors were H. R. Anderson, J. E. Long, L. S. Martin, who took a first prize in the dichondra grass subdivision, and J. M. Greenfield.

More than 120 persons attended the show, proceeds from which will be used to purchase children's books for the Station library.

Closing Hour Changed At Retail Store Annex

Closing hours at the Navy Exchange retail store annex, where drugs, toiletries, magazines and various other assorted items are sold, have been changed since the opening of the swimming pool snack bar and the new community building soda fountain.

The salesroom adjoining the retail store now observes the same closing hour as the retail store—at 6 p.m., Monday through Friday, and at 1 p.m. on Saturday.

Items of necessity, such as cigarettes and shaving gear, are also available at the community building Monday through Friday from 11:30 a.m. to 9 p.m., and on Saturday and Sunday from 5 to 9 p.m.

Chaplain's Corner

By JACK SPRINGER, Lay Leader
NOTS Hebrew Congregation
Last Sunday was the sixth anniversary of the state of Israel.

This little democratic state, born of the blood, sweat and tears of a persecuted people, has a history very much like our own United States.

Refugees from throughout the world have come and are still coming to this sanctuary, in hope of obtaining basic freedoms and a life of dignity under God. Jews from Germany, Poland, Russia and throughout central Europe, Yeman, Iran, Irak and countless other countries come and are welcomed by the Israelites.

This is a reminder of the ancient exodus, described in the Bible and of the prophecies of Isaiah. Therefore, when the Yemenites, who never saw an airplane before and who lived very much like the nomad tribes of before the common era, were liberated by an air lift, they unhesitatingly went aboard the aircraft for flight to Israel.

They believed so strongly in the prophecy, "They shall fly on the wings of birds to the land of promise." This was the fulfillment to them, as it has been to the millions of refugees and persecuted persons of the world.

The growth and expansion of Is-

rael in the past 50 years required help from the other free nations of the world. Here in the United States many millions of dollars have poured from our freedom loving people to help build Israel to the modern state it is today.

The Jewish Welfare Fund and the United Jewish Appeal have created agencies not only in Israel but also in the other free democracies. They help the immigrant and displaced persons to come to the land of their choice and welcome them.

The work is far from done. This year the United Jewish Appeal needs \$120 million to carry on this wonderful work.

We Jews locally do what we can to contribute a little to this cause. This year we will sponsor a booth at the Fiesta, the proceeds of which will go to the United Jewish Appeal. We ask your help by patronizing our booth and contributing to this worthy need at the same time.

LECTURE NOTES AVAILABLE

Lecture notes on a majority of the lectures that comprised the recent series on Mathematics for Modern Engineering are still available in the Office of the Station director of education. Persons interested in obtaining the notes may do so by calling either 71562 or 71759.

Public Tours of Michelson Lab On Armed Forces Day Program

Tours of Michelson Laboratory, from 1 to 5 p.m. tomorrow and Sunday, will be one of the feature attractions of the Station's annual Armed Forces Day open house program.

Exhibits representing the work of the Station's various technical departments will be set up throughout the huge laboratory, which covers 9½ acres and is one of the largest and best-equipped buildings of its kind in the nation.

Entering the south lobby, visitors will be directed to the various exhibits by a series of signs that will be posted along the route of the tour. Marine Corps personnel also will be on duty to help direct guests through the laboratory.

Michelson Museum

The year-round display showing the accomplishments of Dr. Albert Abraham Michelson, America's first Nobel Prize winner in the field of physics, for whom the laboratory is named, will be the first sight to catch the visitor's eye upon entering the south lobby of the huge research center.

Collections of scientific papers written by Dr. Michelson, medals he won for his research activities, and some of the original equipment he used in his research work are included in the display.

Proceeding down the main hall of the laboratory, the second stop on the tour will be the photographic and electronic equipment used by the Test Department's instrument development division. Film assessing also will be described to visitors in Room 1020, where photographic films taken during range firing tests are interpreted.

Cameras To Be Shown

In the outdoor area at the end of Wing 1, some of the large cameras used on the ranges for tracking rockets and missiles will be on display. From there, the tour proceeds to the high altitude chamber, which is used to simulate temperature and air pressure conditions at altitudes up to 50,000 feet. This enables materials to be tested in the laboratory, rather than necessitating aerial flights.

In the materials evaluation laboratory, some of the machines which are used to determine the physical and other characteristics of materials used in rockets and guided missiles will be in operation.

Other machines, such as a vertical planing mill and a turret lathe will be operating at the Michelson Laboratory machine shop, which is the next stop on the tour, and visitors also will get a look at the heat treating shop, where raw materials of completed components made of various alloy steels are softened for easier machining, or hardened to increase their strength, wear and durability.

The new 701 Calculator will be one of the feature attractions in the Research Department's computing branch, where calculations of a type used in range operations will be per-

formed. This new calculator is one of the few models of its kind now in use in the United States.

Mighty Mouse To Be Shown

For the first time in the history of the Armed Forces Day open house programs at Michelson Laboratory, displays of rockets developed at the Station will include an exterior view of the Mighty Mouse rocket, a 2.75 inch folding fin missile, as well as several cut-away exhibits of other rockets developed and tested here.

Rockets on display will vary in size from the 11.75 inch Tiny Tim, the largest airborne rocket in use, to the Minnie Mouse, a 2.5 inch rocket developed for anti-submarine work.

A Rocket Department exhibit also will include a demonstration in which gas is ejected from a miniature rocket and its thrust is measured on an instrument visible to the audience. Pictures of several types of rockets being fired during tests on the ranges and small scale tests demonstrating what happens when liquid propellant materials are mixed, will round out the department display.

Naval Reservists End Tour Today

A two week long ordnance reserve training course on guided missiles, rockets and aviation ordnance, attended by 21 Naval Reserve officers, will be concluded today at China Lake.

Naval Reservists have come from as far afield as Ft. Wayne, Ind., and Minneapolis, Minn., to attend this special course presented by the Navy Bureau of Ordnance and the Bureau of Naval Personnel.

Every aspect of the Station's technical program has been covered in a comprehensive series of lectures, demonstrations, movies and tours of the various Station facilities, both at China Lake and the Pasadena Annex.

The special two week tour was coordinated by Carlos Elmer, assistant to the Station director of education.

Sleight Leaving For Aerojet Job

I. C. Sleight, technical assistant to Captain Levering Smith and building superintendent of Michelson Laboratory, terminated at the Station today and will take a position with the Aerojet General Corp., of Azusa.

He arrived here in January of 1948 and joined the ordnance section of the development division of the old Explosives Department, then became head of the planning staff of the Rockets and Explosives Department. He took his present job with the Associate Technical Director in November of 1951.

Mr. Sleight and his family will make their new home in Glendora.

REPORTS FROM

Technical Departments



SPECIAL LIGHTING FIXTURES illuminate the interior of the Station's Aeroballistics Laboratory providing light for high speed cameras that are used to photograph the progress of full scale missile models fired through the building. Tours of the aeroballistics facility will be another feature of the Station's Armed Forces Day open house observance.

Visits to Aeroballistics Lab On Station Open House Agenda

Public tours tomorrow and Sunday through the Aeroballistics Laboratory, only facility of its kind on the Pacific Coast, will give visitors a once-a-year opportunity to see this 500-foot-long enclosed range where photos of gun-launched missiles in flight are taken by 46 ultra-high-speed cameras.

Buses will leave hourly between 1 and 5 p.m. each day from near the post office at Bennington Plaza to take visitors to the laboratory area, which also may be reached by cars following a plainly marked route.

The huge research facility is intended for the high-precision experimental determination of the aerodynamic and ballistic characteristics of ordnance vehicle models. This is true especially regarding rockets and similar projectiles. The laboratory began operations in January 1953.

Inert models are fired from three-inch and 40-millimeter cannons through the building at velocities of 400-4000 feet per second for camera records obtained by micro-second flash exposures with light from electrical discharge lamps.

Complete time-position behavior of the missile is recorded throughout its flight. Data obtained from the assessment of photographs upon which the object appears stationary is processed by the IBM 701 calcu-

lator for the complex aerodynamic coefficients.

For demonstration purposes simulated firings will take place each hour. Camera and lamp signal lines will be electrically rippled with the result being seen and heard by spectators.

Static exhibits will include cameras, photographic records, control console for monitoring the equipment and the missile flights, and some models which have been fired in actual tests.

Australians View Missile Activities

Members of the Australian Guided Missile Mission visited the Station Tuesday to hold conferences with departments heads and take tours of the ranges.

Civilian members included C. E. Kerr, J. S. Price, G. I. Lister, V. J. M. Boshier, J. A. Nunn and J. D. Heinrich. With them were CDR B. J. Castle and Lt. Col. A. Jacoby.

Accompanying the mission were J. O. Spriggs, of the office of the Secretary of Defense for Research and Development, Col. R. L. Johnston, USAF, and Lt. Col. W. F. Lathatta, USA.

The mission was entertained at a reception following the day's activities.

News from Pasadena

Former Station Commander Returns



CAPTAIN W. V. R. VIEWEG, USN, former Station Commander, visited the Annex for an indoctrination on the torpedo program last week. Captain Vieweg, right, is shown with Captain R. F. Sellars, Annex OinC, who next month will become the Executive Officer to Captain D. B. Young, present Station Commander.

Gifford Cutler Retired Monday

For his years of service in the Design and Production Department, Gifford Cutler received a commendation from Captain R. F. Sellars, OinC, upon his retirement Monday.

Mr. Gifford was commissioned a first lieutenant in ordnance during World War I. After the war he worked in Boston until 1921 when he came to California. He was a manufacturers' representative until 1943 when he joined the staff at Caltech.

When the Navy took over the General Tire program at Foothill in 1945, Mr. Cutler transferred and has been with the Station since 1945.

"I am going to spend the rest of my time on my new ranch at Vista in San Diego County, raising chickens and avocados," Mr. Cutler told Captain Sellars.

Area Music Festival Held on Station

CHINA LAKE—Approximately 580 school children and their music instructors were guests of the China Lake School District last week at the Station gymnasium for the Desert Area Spring Festival.

A gigantic concert featuring the orchestras, bands, and various other instrumental groups from the Desert area schools was given Thursday afternoon, May 6.

Dr. Melvin Farley, assistant superintendent of China Lake schools, introduced Charles Jones, music consultant for Kern County, who in turn introduced each of the participating groups.

3 Members Honored By Employe Group

The National Federation of Federal Employes has announced the award of gold Federation emblems to three members of Local 1101 at the Annex for their "outstanding services" in the organization.

Those selected for the awards are Jo Anne Grumm, formerly of the personnel division; Evelyn McDonald, personnel division; and Leroy Reynolds, public works division.

EMCO President Honored



LEROY PASCOE, left, retiring president of the Employe Management Council, was honored at a luncheon held recently at Helen Foster's. Mr. Pascoe is shown being congratulated by W. H. Saylor, Associate Technical Director for Pasadena.

Thousands Expected To Attend Morris Dam Open House Program

All arrangements have been completed for the Armed Forces Day open house which is expected to attract thousands to Morris Dam on Saturday, CDR H. P. McNeal, committee chairman, announced.

Rear Admiral M. E. Curtis, Commander, Cruiser-Destroyer Force, Pacific Fleet, will be the guest speaker of the day.

Captain Robert F. Sellars, OinC, will give the welcoming address at 11 a.m. and W. H. Saylor, Associate Technical Director for Pasadena, will describe the Annex's technical program.

The gates of Morris Dam will be open to the public at 9 a.m. and all visitors must clear the area by 5 p.m., CDR McNeal said.

Guided tours of the propulsion pits and boat rides for the visitors will be started at 9:30 a.m. and continue throughout the day.

The first firing of a torpedo from the Variable-Angle Launcher will be

staged at 10 a.m. and will continue on the hour during the day. One of the special attractions for the visitors will be the diving exhibitions under the direction of LCDR R. M. Hendon, diving officer for the Annex.

Because of the nature of the installation no cameras will be permitted in the area, LT L. J. Brunson, security branch head, announced.

Liaison Officer Receives Promotion

Something new has been added to the uniform of H. P. McNeal. Last week the Navy promoted him to commander and he was presented with a new cap replete with all the braid.

CDR McNeal, who came to NOTS in 1953 as the military liaison officer for the Underwater Ordnance Department was born in Norfolk, Va. He received his B.S. degree from the U.S. Naval Academy and in 1942 was assigned to the USS Mississippi.

He later attended the submarine school at New London, Conn. and received his M.E. degree from John Hopkins in 1946. During the war he served on a submarine in the Pacific Fleet. In 1952 he took the Command and Staff course at the Naval War College.

CDR McNeal, his wife, and sons Joseph, Thornton, and Horace, reside at 935 Cynthia, Pasadena.

Naval Reservists Visit Pasadena

A group of 21 Naval Reserve officers made a tour of Annex facilities and were given an indoctrination on the work being done here last week.

The group was welcomed by Captain R. F. Sellars, OinC, and CDR H. P. McNeal, military liaison officer with the Underwater Ordnance Department, described the technical program.

Officers visiting the activity included LCDR D. C. Marques, LCDR Martin F. Goodman, LT Eugene Osuch, LT Lewis Birdsall, LT William C. Arrington, LT Arthur McIntyre, LT Emil Sobilo, LCDR L. E. Brinker, LCDR John Palmaroli, LT Wesley W. Jones, LT Buell E. Harris Jr., LCDR Kenneth K. Leithold, LCDR Roy W. Carlstrom, LT John T. MacTarnaghn, LT Walter P. Hufnagel, LT Edwin H. Marshall, LCDR Thomas R. Warrick, LTJG August Berger Jr. and LTJG Walter E. Gebser.

ETHEL KEUVER RESIGNS

Ethel Keuver has resigned as business manager of the Employe Service Organization and of the Federal Credit Union. She will remain on board to handle the collection of insurance premiums, it was reported.

SPORTS

Brooke Williams To Enter Junior Tennis Tourney

Brooke Williams, local young tennis star who recently walked off with first place in the girls' division of the Santa Monica Tennis Tournament, next weekend will attempt to add the Southern California Junior Championship trophy to her string of court victories.

The matches will be played on the courts at the Los Angeles Tennis Club in Hollywood.

Miss Williams will vie in both singles and doubles competition. In the doubles, she will team up with Barbara Browning of Burbank. Miss Browning was the top seeded player in the Santa Monica tourney, and lost to Miss Williams in the semi-final play.

Two years ago the local tennis prodigy took third place in the Southern California Junior Championships and was runner-up in the doubles competition.

Burros Lose Tilt To Desert High

The Burroughs High School baseball team lost to Desert High School at Mojave last Saturday by a score of 4-2.

Pitcher Mike Madison of Burroughs held the opposing nine hitless for the first three innings of play, striking out seven of the nine batters. However, Desert made three runs in the fourth inning and one in the fifth.

In the first inning for Burroughs, Ferguson scored from second on a single hit by Stevenson. In the same inning Stevenson scored the Burro's final run of the game on a passed ball.

The game scheduled Tuesday night between Burroughs and Barstow was forfeited by Barstow.

Final Plans Set For Boxing Show

Next Wednesday at 8:15 p.m. is the time set for the Station's second amateur boxing show to be held at the Station gymnasium.

The program is to be much the same as the last such event, but with many new contestants, according to Bernie Locker, who is coaching the pugilists. Mr. Locker stated that pairing of the boxers will not be announced until just before the fights.

Tickets for the fisticuffs festival will be sold only at the door on a first come, first served basis, at 50 cents per person. Proceeds will go to the Little League Association.

Rifle Club Ends League Competition

The China Lake Rifle Club lost to the league champion Foothill Rifle Club last week in the last match of the Desert League season. Ending up in fourth place in the league, the local club had a record of 13 wins and 7 losses.

The top four individual season scoring averages in the club were claimed by Harold Gryting, 385.57; Cleves Howell, 384.62; Walt Brisch, 379.69; and Charles Falterman, 379.

The China Lake second team also came in fourth in the league, with a record of 15 wins and 5 losses for the season. The remaining team members were Harry Williams, Bob Rekers, Cecil Daley, Bob Sprague and Bob Martin.

Tennis Club Ladder Positions Named

Activities for China Lake Tennis Club have been confined for the past several weeks in establishing a club ladder.

The results as of early this week are as follows, from the top, for the men's division: Hal Gwynn, Ned Crow, Ed Ashburn, Don Beresford, Frank Singleton, Chett DiPol, John Sofferis, Tim Gorton, Rod Weldon, Leo Lapin, Regy Low, Ken Lauderdale, Chuck Falterman, Mel Creusere, T. E. Barnett, Bob Boschan, Jerry Whitnack, Carrol Butler, Dave Bloom, Charles Walker and Bill Fiebich.

Standings in the women's division are, from the top, Jackie Singleton, Grace Rowilson, Polly Connable, Peggy Jackson, Betty Falterman, Nancy Glover, May Butler and Beverly O'Neill.

Last week a match with the Bakersfield Tennis Club, scheduled at China Lake, was canceled. It has not yet been re-scheduled. The next scheduled match will be against San Bernardino netters at China Lake on Sunday, June 6.

Ceramics Students To Display Work

A special ceramics work shop displaying work done by beginning and advanced students, and demonstrating various methods of making ceramic pieces, will be presented Tuesday, from 7 to 10 p.m., at the Burroughs Art Hut.

A highlight of the display will be a collection of ceramic pieces made by Richard Peterson, head of the ceramics department at Scripps College. A chemical analysis of the materials used in making clay and glazes will also be given. The program is open to the public.



NOT FAST ENOUGH was Don Linder, Rocket All-Star player who tried to reach third during an exciting moment of Saturday afternoon's game with the Marines from Hawthorne, Nev. The Rockets lost this tilt but went on to win the next two games of the three-game series.

Rockets Win Two From Marines In Weekend Three Game Series

Bob McClarry's Rocket charges dropped the first game of last weekend's three-game series against the Hawthorne Marines, 12 to 8, but roared back Saturday night to win, 18 to 17, and handed the visitors a 25 to 16 wallop during their Sunday afternoon stand.

The second game can probably be called the thriller of the series. Spotted by scattered hits and frequent errors on both sides, the Marines team finally worked up a 17 to 15 lead in the last inning, only to find it snatched away on two glaring errors, both charged to pitcher Thyre, the third moundsman to face Rocket bats.

Ernie Ellis was thrown out at first to start the inning, but the next man up, Lou Radcliff, slammed a 3 and 2 pitch between short and second for a base knock.

Jack Israel, Rocket first sacker, stepped to the plate and blasted a stinger just to the left of second for another single, and Radcliff pulled up at third.

Israel stole second and Richard Ramsey tagged the third straight single, scoring Radcliff, then legged for the second sack and took third on an overthrow at second which also allowed Israel to cross the plate and tie the score.

Dewey Smith flied out to first for the second out and Dick Stonelli sent a fast ball down the middle back at the mound, but the play at the plate was in the dirt, allowing Ramsey to score the game-winning run.

In the initial tilt, the Marines dropped behind 4 to 2 in the first inning as Radcliff, Israel, Smith and Richard Becker each poled singles, but surged ahead 6 to 4 in the third frame and never lost the lead.

Outstanding batsmen in the game for the Rockets were Smith, who was credited with four singles in five

trips to the plate; Becker, who had three for five; Ramsey, who got two singles and a triple, and Stonelli, who tagged a single and a two-run double.

The Rockets caught fire in the bottom of the fifth in the final game of the series, after trailing 11 to 4, and scored six big runs. Four more were added in the sixth frame, five in the seventh and another six in the eighth, for a 25 run total.

Their opponents crossed the plate twice more in the eighth and added three more in the ninth for 16 runs.

The next outing for the Rockets has not yet been set, but recreation officials hope to have the first game with a team from the Los Angeles Industrial League on Saturday, May 29.

Golf Range Lights Now in Operation

Volunteer workmen last week installed flood lights at the Station golf driving range.

The power poles located at the tee end of the course are each equipped with 10 huge flood lamps. The light output of these batteries of lights will fully illuminate the entire course, officials in charge of the facility reported this week.

Other construction work presently under way at the range includes building a foundation for a Butler steel hut which will house a soft drink, beverage and cold sandwich concession.

Meanwhile, the grass is now poking in through the sandy loam, and officials still hope to have the opening during mid-June. Last week bids were sent to six sporting goods companies in Los Angeles for range equipment such as golf balls and clubs, club stands and racks, etc.

Annual Fiesta . . .

(Continued from Page One) courts with music provided by Guy, Bob and Ida, a combination well known to dancers in the Los Angeles area. Featuring a piano, guitar and violin, they will back up a total of ten do-si-do callers from various parts of Southern California.

Guest callers will be Jim Munyon and Herb Jones, from China Lake; Owen Clark, from Bishop; Bill Bigelow, from Big Pine; Toot Garten, from Trona; Red Trammel, from Johannesburg; Mutt Corl, from Fillmore; Herb Perry, from Lancaster; Ken Keeney, from Burbank; and Lee Waddell, from Big Bear Lake.

A potluck supper for square dancers at the Richmond School cafeteria will precede the dance. It will start at 6 p.m. In addition to the special dishes which members of the local square dance clubs, as hosts, are asked to provide, they also are reminded to bring their own table service and additional settings for guests at the affair.

"Miss Indian Wells Valley" will be selected Sunday at 9 p.m. from a field of six bathing beauty candidates. A gold loving cup will be presented to the winner.

At press time six entries had been received. They were from Helen Ann Dolman of Argus; Vicki DeWitt, Francine Christie, Martina Jane Miles, Paula Joyce Byrum and Sheila Ingle from China Lake. Miss Ingle is sponsored by the Civil Air Patrol.

Final selection will be made by a panel of five judges including Captain D. B. Young, Station Commander, Dr. W. B. McLean, Technical Director, and Charles A. Epps, AG2. The other judges will be selected from Trona and Ridgecrest.

An attendance prize will be given away at the Fiesta every hour, with a \$100 savings bond being awarded each evening at 11. Tickets for the drawings will be given out by each concessionaire when a purchase is made. They cannot be obtained otherwise.

BIRTHS

Boys

Andreasen—Timothy Robert, 6 lbs., 1 oz., May 4, at the Ridgecrest Hospital to Mr. and Mrs. Burton M. Andreasen, 424 Warner, Ridgecrest.

Heinzig—Johnny Glen, 9 lbs., May 5, at the Ridgecrest Hospital to Mr. and Mrs. Clyde J. Heinzig, Ridgecrest.

Girls

Bearup—Vickie Ann, 6 lbs., 11 ozs., May 3, at China Lake, to Mr. and Mrs. Sam T. Bearup, 352 Helena, Ridgecrest.

Clark—Marilyn Louise, 8 lbs., 2 ozs., May 4, at the Ridgecrest Hospital to Mr. and Mrs. Wilfred G. Clark, 58-B Franklin.

Mack—Kathleen Annette, 8 lbs., 11 ozs., April 29, at the Ridgecrest Hospital to Mr. and Mrs. Duane Mack, 202-A Dobb.

Parsons—Cheryl Lynn, 6 lbs., 12 ozs., May 3, at China Lake to Mr. and Mrs. Travis W. Parsons, 1106 6th Place.

Fiesta Program

FRIDAY

- 6 p.m. Opening speech by Community Council president.
- 7 p.m. First attendance prize to be awarded, and one every hour on the hour thereafter until closing time.
- 8:30 p.m. Dancing to music of George Lewis band starts.
- 12 p.m. First day of Fiesta ends.

SATURDAY

- 12 Noon Fiesta re-opens.
- 1 p.m. First attendance prize to be awarded, and one every hour on the hour until closing time.
- 6 p.m. Potluck supper for square dance groups at Richmond Elementary School cafeteria.
- 8 p.m. Square dance on Station tennis courts—Jim Munyon, master of ceremonies.
- 12 p.m. Second day of Fiesta ends.

SUNDAY

- 12 Noon Fiesta re-opens.
- 1 p.m. First attendance prize to be awarded, and one every hour on the hour until closing time.
- 9 p.m. Bathing beauty contest judging.
- 12 p.m. Fiesta closes for 1954.

Armed Forces Day Program . . .

(Continued from Page One)

ballistics Laboratory, and at the air field during the open house celebration.

The Station's Main Gate will open wide to greet visitors at 7:30 a.m. tomorrow, and will remain open until 12 midnight, re-opening at 12 noon on Sunday. All activity will cease and normal security procedures will be re-established at midnight Sunday.

An Armed Forces Day memorial service at Armitage field, conducted by Chaplain James L. Carter, will open the activities at NAF at 9 a.m. tomorrow. The air demonstrations will begin at 9:30 and continue until 11:30 a.m.

The aerial display will include demonstrations of aerial maneuverability; a catapult take-off and arrested landing operation of the air facility's simulated aircraft carrier deck; a tow target pickup, and firing of aerial rockets and guns at targets so arranged that the air show audience can see both the plane and the target.

The Tiny Tim, largest airborne rocket in use, will be fired from several types of Navy jet aircraft, including the F2H Banshee, the F3D Douglas Skynight, the FJ2 Fury, the P2V Neptune and the F9F Panther.

Naval aviators who will take part in the show are CDR S. W. Vejtasa, CDR C. C. Schmuck, CDR G. H. Mahler, LCDR H. Woodson, LCDR R. E. Rhodes, LCDR I. M. Applebaum, LCDR R. R. Vancil, LT H. A. Borgerding, LT L. R. Mix, LT B. Montgomery, LT F. J. Wikenheiser and LT D. L. Conroy.

Static displays of all types of available aircraft will be arranged on the cement apron by the air field runways, and Hangar One will feature exhibits of aviation survival equipment, aerology gear and non-restricted ordnance items.

A drone aircraft from Point Mugu also is to be set up on jacks inside

the hangar, and a control unit will operate the aircraft wheels and instruments in simulated flight.

Michelson Laboratory and the Research Department's aeroballistics laboratory will be open from 1 to 5 p.m. Saturday and Sunday, and special free movies of the Station's activities will be shown at the theater on Bennington Plaza from 1 to 9 p.m. Saturday, and from 1 to 3 p.m. Sunday. The film program will start every hour on the hour.

Bus transportation will be provided to the aeroballistics laboratory from near the post office beginning at 1 p.m. on Saturday and Sunday and continuing until 5 p.m.

Captain Vieweg Pays Visit Here

Captain Walter V. R. Vieweg, who was Station Commander from late 1949 until succeeded by RADM Paul D. Stroop (then captain) in October 1952, visited the Station briefly last week on an official tour to study new developments here.

He attended the farewell party for Captain and Mrs. Levering Smith and renewed contacts throughout the Station.

Captain Vieweg is now Commander, Fleet Aircraft, Hawaii.

Drivers Must Stop For School Bus Light

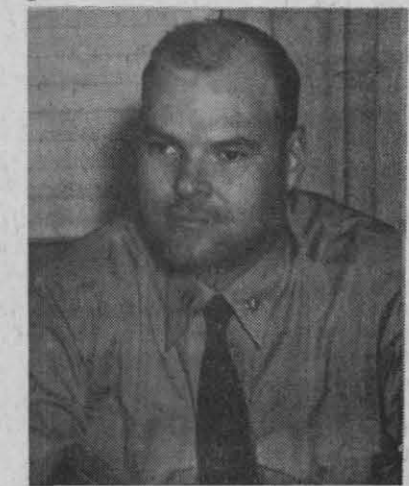
The flashing red light on school busses is a signal for motorists to stop and wait until the bus has discharged its passengers before starting up again, local traffic control officials reminded drivers this week.

Motorists approaching the bus from either direction, front or rear, are required to stop until the driver signals it is safe for them to pass by switching off the flashing red signal light. Drivers who fail to heed the red warning signal will be liable for traffic citations.

Neice To Leave For Washington; Thurston New Aide

LCDR G. G. Neice, administrative aide to the Station Commander, will leave China Lake Sunday for his new duties with the Bureau of Supplies and Accounts, Navy Department, Washington, D.C. He will be relieved by LT Robert O. Thurston.

LCDR Neice came to NOTS in September 1952 from duty aboard the USS Princeton where he had served from September 1950 to August 1952 in the Korean waters.



LT Robert O. Thurston

During World War II, he served as disbursing officer at NAS, South Weymouth, Mass, and supply inspection officer, First Naval District headquarters. His combat activity in the Pacific included the Okinawa campaign. He was released to inactive duty in 1946, then was recalled in August 1950.

He has been active at China Lake as mess treasurer, Commissioned Officers Mess, as a member of the Recreation Council, and as treasurer of the NOTS Civic Concert Association.

LCDR and Mrs. Neice and their children Garry, Donald and Dorothy have resided at 601 Saratoga.

LT Thurston comes here from the sub-tender USS Fulton, at New London, Conn. It is his first tour on the Pacific Coast. He and his wife and two sons, Stephen and David reside at 500-A Saratoga.

LT Thurston began his World War II service in October 1942 and served with the 148th Naval Construction Battalion. Then he served with the Bureau of Supplies and Accounts prior to the duty at New London.

RADM Holderness Here on Conference

RADM George A. Holderness, chief of the Office of Industrial Relations, Washington, D.C., and E. B. Powell Jr., Labor Relations advisor, came to the Station Tuesday to hold discussions on personnel administration and to tour installations.

They then flew to San Diego to meet with 11th Naval District personnel officers.