



LEROY D. MARQUARDT, Head of the Instrument Development Division (Code 304) of the Systems Development Department, was awarded the degree of Master of Public Administration from the University of Southern California on June 4. His thesis topic was, "Economizing Behavior of the Individual in an R&D Environment."

Marquardt, who holds a BS degree in electronic engineering from the University of Nebraska, came to the Naval Weapons Center in 1957 as a Junior Professional. After completing the Junior Professional tour in 1958, he was assigned to the Electronic Systems Branch (Code 3045), where he was involved in the development of shaft-angle digitizers and the wide-band microlock system and served as project engineer on the Transit Satellite Tracking Project.

In 1965 Marquardt became Head of the Electro-Mechanical Branch (Code 3043), and was assigned primary responsibility for the automatic formation drone control program.

Marquardt was appointed to his present position in May of this year. He and his wife Norma live on the Center with their two daughters, Patti and Cindy.

Center Security Department

(Continued from Page 4) Roy conducts in-service training for uniformed personnel; handles public relations (talks to clubs, organizations, and schools); and assists the Detective Branch on complaints regarding juveniles, runaways, and other juvenile complaints.

The Guard Division is responsible for the physical security of buildings and ranges on the Center. NWC policemen can function as guards, but guards cannot function as policemen.

Future plans at NWC call for sending four members of the Police Division each year to the Kern County Sheriff's Academy for training. Since 1961, 32 members of the Division have completed training under this special program.

A change in name ceremony will be held Tuesday, June 30, beginning at 8:30 a.m. at the Desert Park School. All Centerites are invited to attend.

SHOWBOAT

MOVIE RATINGS FOR PARENTS AND YOUNG PEOPLE

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

G ALL AGES ADMITTED
General Audiences

GP ALL AGES ADMITTED
Parental Guidance Suggested

R RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

X NO ONE UNDER 17 ADMITTED
(Age limit may vary in certain areas)

ALL **G**, **GP**, and **R** FILMS RECEIVE
THIS REAL **MPAA** OF THE
MOVIE PICTURE CODE OF SELF-REGULATION

JUNE 26
"THE WRECKING CREW" (105 Min.)
Dean Martin, Elke Sommer
7:30 P.M.

(Comedy) Matt Helm and his bikini beauties combat Operation Rainbow, a billion dollar gold heist. Gags galore, fantastic gadgets and the bevy of gorgeous gals keeps Dino busy romancing or sleuthing every minute. It's spicy! (GP)

JUNE 27
—MATINEE—
"SEVEN FACES OF DR. LAO" (100 Min.)
Tony Randall
1:00 P.M.
Short: "Guess Who?" (7 Min.)

—EVENING—
"THE CRIMSON CULT" (87 Min.)
Boris Karloff, Christopher Lee
7:30 P.M.

(Horror) What fate had befallen his brother? Had the Black Witch of Grey-march actually returned to seek vengeance on the relatives of those who burned her at the stake 300 years ago? Karloff's final role—his last. (GP)

Shorts: "Fabulous California" (17 Min.)

JUNE 28-29
"THE BALLAD OF CABLE HOGUE"
(123 Min.)
Jason Robards, Stella Stevens, David Warner
7:30 P.M.

(Western/Comedy) Robbed and left on the desert to die, he finds a waterhole worth more than gold. This derelict and the nearby town's lady of the evening make a delicately told story with superb performances. DON'T MISS! (R)

JUNE 30-JULY 1
"THE MOLLY MAGUIRES" (125 Min.)
Sean Connery, Richard Harris, Samantha Egger
7:30 P.M.

(Drama) 'Twas a hell-hole in the Pennsylvania coal mines that the brave Irish lads had to work in—and then they rebelled! And a mine owner's detective was among them, sympathetic but loyal to his firm. (GP)

JULY 2-3
"CHITTY CHITTY BANG BANG"
(146 Min.)
Dick Van Dyke, Sally Ann Howes, Lionel Jeffries
7:30 P.M.

(Comedy/Fantasy) DON'T miss this extravaganza about the heady inventor of a weird auto that coasts on water and sails through the air. See the Tyrolean dance and Dick as Jack-in-the-Box, all done to lilting tunes! (G)

Navy Relief To Make Pick

According to LCdr. Partridge, fund drive coordinator for the current Navy Relief Campaign, the drawing for Navy Relief prizes will be held at the Officers-CPO softball game which will be held at 6 p.m. on Tuesday, June 30 at Reardon Field.

Admission to the ball game is by Navy Relief ticket only, and all hands are encouraged to attend what promises to be an outstanding event.



POW WIVES ON CENTER—WACOM members hosted dignitaries of the National League of Families of Prisoners of War and Missing in SEA at a luncheon held recently at the COM. On hand for a representative picture were (l-r standing) Shirley Stephenson, POW Wives Maureen Clower, Kay Russell, and Helen Gillespie, and Capt. J. K. McConeghy, Jr., NWC Executive Officer. Seated are (l-r) Ruth Schuyler, Janie Creighton, and Ann Stephenson. The POW Wives are conducting a national letter writing campaign (to Congressmen) regarding improvement of treatment of POW's.

John Feeley comes to the Indian Wells Valley with a long list of operatic credits. A mathematician at Computer Applications, Feeley has appeared as Morales in a University of Washington production of "Carmen," and as Benoit and Alchindaro in "La Boheme." In addition, Feeley appeared in the Century 21 production of "Aido." Feeley stated he "carried a lot of spears" as a member of the chorus in many operas, including: "Madame Butterfly," "Rigoletto," "The Barber of Seville," and others. Phelps TerHeun, a project manager at Computer Applications, will direct "Sound of Music" for CLOTA. TerHeun comes to the Indian Wells Valley from San Jose, California, where he was a senior engineer with Lockheed Corp.

Cast Chosen For Sound Of Music

Lana Lee Kline, "Lonnie" to her friends, has been chosen to play "Maria" in "The Sound of Music," the summer production of the Community Light Opera and Theatre Association, slated for production August 21, 22, 28 and 29 in the Murray School Auditorium.

Other cast members selected after three days of tryouts are: John Feeley, who will portray Captain Georg von Trapp; Nancy Hawthorne, to be seen as Liesl, the oldest von Trapp daughter; Bart Moore, as Friedrich, the oldest von Trapp son; Lana Widener, as Elsa Schraeder; Jack Lindsey, in the role of Max Detweiler; Lauretta Stogsdill, as the Mother Abbess; Barbara Lewis, as Sister Berthe; Lucille Bushnell, Sister Margaretta; Linda Webb, Sister Sophia; Jacquie Jessburger as Frau Schmidt; Wes Willett, as Rolf Gruber; Dan Whitlock and Cathie Hillibrand as Baron and Baroness Elberfeld; Bob Pinney and Linda Webb, as the Zellers, and Fred Jessburger as Admiral Von Schreiber. Coral Nicholson will be seen in the role of a Postulant.

The other five von Trapp children will be portrayed by Michelle Barglowski, as Louisa; Mark Barglowski, as Kurt; Elizabeth Knemeyer, as Brigitta; Teresa Jessburger as Marta; and Joane Fragman, as Gretl. The Nun's chorus will consist of Coral Nicholson, Linda Webb, Cathie Hillibrand, Carol Simmons, Lauretta Stogsdill, Lucille Bushnell, Karyn Harris, Barbara Lewis and Pat Jauchler.

Lonnie Kline received her Bachelor's Degree in Music Education from Pasadena College this June and intends to return to school to seek her Masters Degree in Dramatic Arts in September. She is best remembered from the Burroughs High School production of "Annie Get Your Gun," wherein she portrayed Annie Oakley. She appeared in two other CLOTA productions while attending college: "King And I," as Tuptim; and as Liat in "South Pacific."

Charles "Chuck" Wilcox, well known to local theatre-goers, will be the production's Technical Director. Carol Simmons will handle properties, and Paul Cochran, new to the Indian Wells Valley, will be the rehearsal and production pianist. Choreography will be handled by Karyn Harris, a sophomore this fall at Bakersfield College.



IEEE VICE-PRESIDENT HERE — James Lee (r), newly-elected Chairman of the China Lake section of the IEEE, welcomed Dr. Newton Ward, Head of NWC's Aviation Ordnance Department (l) and Dr. James H. Mulligan, Vice-President of the IEEE, to the installation dinner held recently at the COM. Dr. Mulligan was present to install the new officers and gave an important talk on "Identifying and Satisfying the Needs of the IEEE Membership."

From _____

TO _____

PLACE STAMP HERE

Tiemann Project In 'Geographic'

Phrixothrix Research Yields New Railroad Worm Species

An article in the July, 1970 issue of the National Geographic Magazine on the Phrixothrix, or Railroad Worm, authored by Darwin L. Tiemann, an engineering technician in Code 3063, is the culmination of six months of research work in the Sao Jose Dos Campus (near Sao Paulo, Brazil), and another six months of writing, editing and preparing the manuscript for publication.

Tiemann's work in Brazil, upon which the article is based, was performed under a research grant from the National Geographic Society, and in collaboration with the Johns Hopkins University and the National Institute of Health.

Prior to Tiemann's scientific expedition into Brazil, only 13 live specimens of the Phrixothrix were known to have been brought to the United States for scientific observation. By the end of his search, Tiemann eventually collected 280 railroad worms. Most were found, unlit, by patient searching, night after night, of the grass and earth.

At first, Tiemann thought to startle the worm into lighting up. He hoped to accomplish this by tossing firecrackers at night onto the ground. It did not work. He later found that a firecracker tossed only three feet from a captured railroad worm would not cause it to light.

However, the railroad worm (so-called because the tiny lights down the side of the body resembled a toy train when lit) would usually flash on all their lamps when touched. The glow diminishes after a minute or so.

Tiemann learned that the worm apparently spends several months of the dry season underground, in an inactive state. However, Brazil's spring rains (which began in late Sep-

tember) brought them to the surface.

Although the texture of his hand proved too tough to be bitten by the worm (who uses sharp, scimitar-shaped mandibles to eat its food), Tiemann was once bitten by a captured worm in the tender skin between his fingers.

Tiemann returned to the United States in January of this year, and went straight to Washington to report to the National Geographic Society, and to begin work on the magazine article.

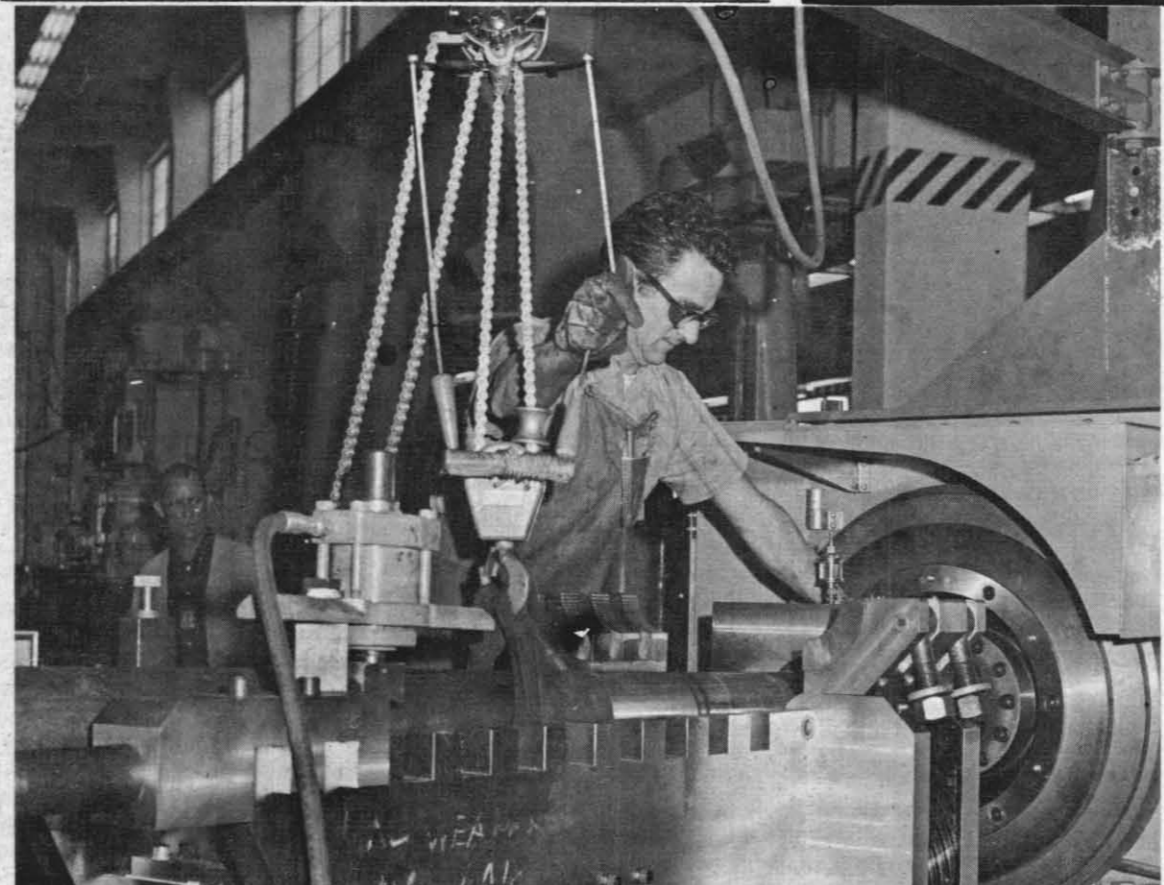
During the long airplane ride home, the specimens he brought back rode in a styrofoam picnic cooler beside his seat. It is Tiemann's hope to raise the progeny of his captured worms in a controlled environment in a room of his home.

Tiemann gave specimens to Dr. John Buck and Dr. Thomas Hopkins, of the National Institute of Health, Bethesda, Maryland, and to Dr. Howard Seliger, of the Johns Hopkins University, in Baltimore.

These men will study the subjects in the hope of learning the answers to some questions raised regarding their light systems and nervous systems.

Tiemann discovered a new species of the railroad worm, which will be named in his honor by Dr. Walter Witmer, a specialist in the taxonomy of this group, from Basel, Switzerland.

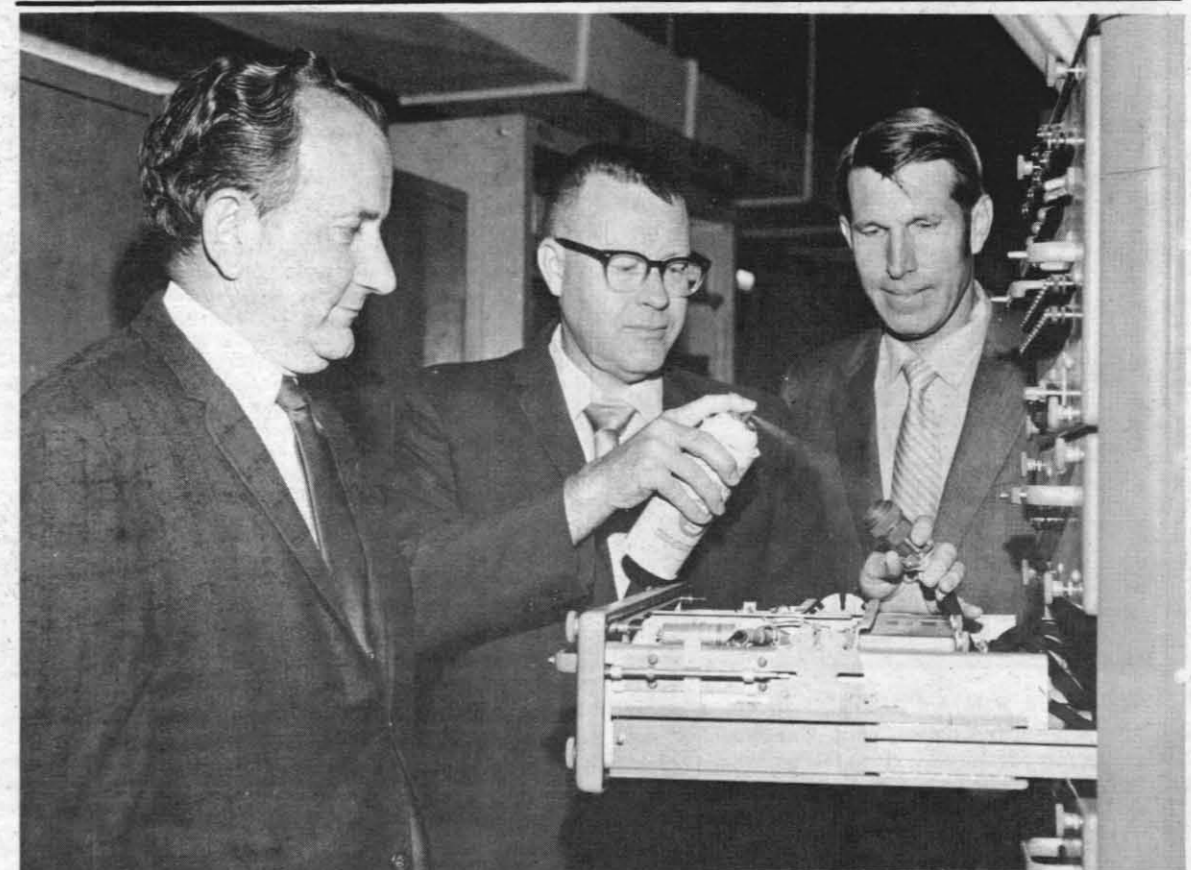
Following a report which Tiemann is now making to the National Geographic Society on his findings, Tiemann will busy himself with raising some of the larvae that hatched from eggs brought back, and in the near future intends to write a paper on the worm for a scientific journal.



INERTIA WELDER—Vern Michau, an employee of Code 5545, operates the new inertia welder, installed recently in the machine shop of the Mechanical Divisions' Shop Branch, in Michelson Lab. The new welder has many outstanding features of operation, including welding with total freedom from

porosity and occluded dirt. In addition, metal welded on the machine is done with only a slight intermingling of metal from each side of the weld. The all-automatic operation has an extremely high reproducibility feature, with absolutely no operator error. —Photo by PH2 D. E. Hart

ROCKETEER
Vol. XXIV, No. 25 Naval Weapons Center, China Lake, California Fri., June 26, 1970



BENNY SUGG PAYS OFF—Robert S. Scott (c), electronics technician at NWC's Corona Annex, demonstrates his connector-cleaning method to K. J. Calderwood (r) and W. F.

Vizard. Scott submitted the new method as a Beneficial Suggestion for which he received a check for one-hundred dollars. For more details, see page 3.

Security
Operations Div.
Featured
Pages 4 & 5

Alaskan Shipmates Enjoy Tour Of NWC

Approximately 40 boys representing three Alaskan Navy League Councils—Kodiak, Anchorage and Fairbanks—arrived on the Center yesterday as part of a grand tour which will include other Navy and Marine Installations in the Southern California area. The young northerners are participating in the fifth annual Alaskan Shipmate Air Cruise.

The Shipmate program, originally known as the "Buddy" program, is administered by the Chairman of the Shipmate program for the Navy League. The object is to acquaint young men with the opportunities that are provided them by the Navy and Marine Corps.

The program is dependent upon the ingenuity of local Councils of the Navy League and nourished by the cooperation of the United States Navy. It is designed to provide young men between the ages of 14 and 18 a chance to actually see the men of the Navy and Marine Corps at work.

While on the Center, the boys will be quartered at the BOQ and will be seen at various locations about NWC until tomorrow when they depart.

This morning, they ate breakfast at the Enlisted Mens' Mess and were taken on a tour of Michelson Laboratory where they were welcomed by Capt. H. D. Parode, USN, NWC Assistant Technical Officer.

They were also taken to witness some actual weapons testing by the pilots of VX-5. This afternoon they will tour the Maturango Museum and the NWC Weapons Exhibit Center.

This evening they will be treated to a picnic and a swim at the NAF pool by the Indian Wells Valley Council of

the Navy League, and they will be the honored guests at the Youth Center dance which will be held this evening at the Community Center.

The boys will depart from the Naval Air Facility tomorrow to continue on their Air Cruise.

Time Running Out For WWII GI Loan Benefits

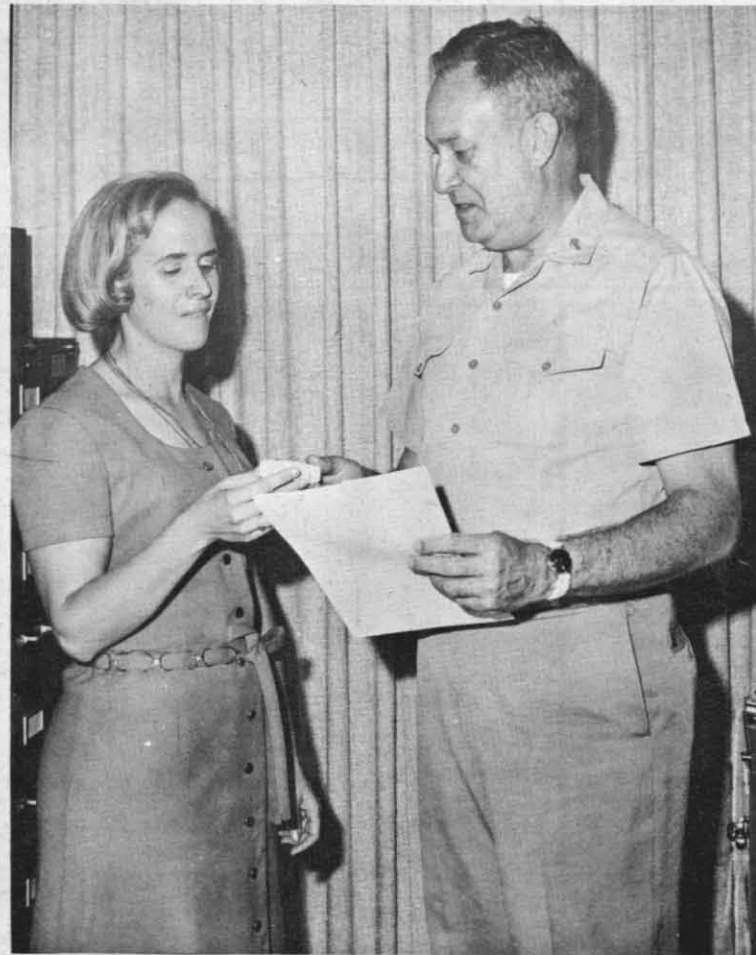
Time is running out for about 2,140,000 World War II veterans who have not used their G.I. loan guaranty benefits. The final cut-off date for World War II loans is July 25, 1970.

Loan guaranty benefits are governed by individual expiration dates, based on dates of military service and length of service. However, there is an over-all July 25 loan guaranty deadline. The July 25 deadline does not affect eligibility for loans established by military service since 1955.

Veterans who do not know their expiration dates should get in touch with the nearest VA office. They should have with them discharge or separation papers.

Veterans who know their loan guaranty terminal dates, but whose loan applications cannot be submitted to the VA before the deadline, should have their lenders write or telephone their VA offices to explain the problem.

Under the loan program, the VA guarantees up to 60 per cent (not to exceed \$12,500) of the outstanding balance on home loans for veterans.



100-HOUR PIN AWARDED—In ceremonies held recently at the All-Faith Chapel, Mrs. Carol Miller was awarded a 100-hour pin for having donated at least that much time to work in the Thrift Shop and other Navy Relief activities on a voluntary basis. The award was presented by Capt. H. A. McNeill, Senior Chaplain. Volunteers who would be interested in this type of involvement opportunity should contact Chaplain McNeill's office.

'Birds' Casting Completed By New Youth Theatrical Group

Casting has been completed for The ASSOCIATION's summer production of "The Birds," a Greek comedy by Aristophanes, who was the foremost comedian of Ancient Greece. The play will be presented four times—July 24, 25, 31, and August 1—in the Murray School Auditorium. The ASSOCIATION is a group of Burroughs High School students, alumni, and Desert Campus students who formed the group for the purpose of pursuing constructive activities in the local area during the summer months when students and alumni are back home and generally without activity. The Birds is the first ASSOCIATION production. With community support, the group hopes to become a permanent organization dedicated

to pursuit of a wide range of activities.

"The Birds" is the first of many Utopian comedies by Aristophanes, who used the realm of fantasy to satirize Athenian society and to pose social questions and possible alternatives to accepted contemporary conventions.

In the play Aristophanes uses the birds by the appearance of two men seeking to escape the stress of Athenian society.

The play was chosen because of its relevance to the present, and because of its great humor.



The Rocketeer

Official Weekly Publication
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NWC Commander

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PH3 L. H. Detweiler, PHAN Ronald G. Mills.
Staff Photographers

DEADLINES:
News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
The Rocketeer receives American Forces
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DIVINE SERVICES

Protestant (All-Faith Chapel)—
Morning Worship—10:00 a.m.
Sunday School—8:30 a.m.
Classes 1, 2, 4 (Dorms 5, 6, 8) located
opposite Center Restaurant.

Roman Catholic (All-Faith Chapel)—
Holy Mass—7, 8:30 and 11:15 a.m.
Sunday.

Daily Mass—11:30 a.m. in Blessed Sac-
rament Chapel. Saturday, 8:30 a.m.

Confessions—7 to 8 p.m. Saturday, and
8 to 8:25 a.m. Sunday.

NWC Jewish Services (East Wing All-Faith
Chapel)—8 p.m. every first and third
Friday.

Sabbath School—10 a.m. to noon, every
first and third Saturday.

Unitarian Fellowship—(Chapel Annex 95, 95
King Ave.)—Sundays, 7:30 p.m.

PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history up-to-date should be forwarded as described below. The fact that positions are advertised here does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any non-merit reason and without favoritism based on personal relationships or patronage.

Voucher Examiner, GS-540-05, PD No. 6925007-1, Code 2575—The purpose of this position is to provide Voucher Examiner services on Blanket Purchase Agreements, Purchase Orders and Delivery Orders against GS Contracts for the payment of supplies and/or services, which includes processing of documents, follow-up, liaison and correspondence. **Minimum Qualification Requirements:** One year of general experience which is clerical or office work of any kind which has demonstrated the ability to perform satisfactorily at the grade level of the position and two years of specialized experience which is supply work or closely related activities: (a) which has required the applicant to acquire and apply knowledge of the rules, regulations, procedures and program requirements of one or more areas of a supply system, and (b) which has demonstrated the applicant's ability to perform at the level of the position to be filled.

Stockman, WG-69007-06, JD No. 32, Code 2591—Performs and is responsible for all work operations of an assigned storage area relative to the physical receipt, storage, or issuance of supplies. Receives, checks, stores, counts, or assembles supplies of all types utilizing established procedures. May direct small groups of assisting employees as a working supervisor. **Minimum Qualification Requirements:** One year of progressively responsible experience in two or more of the normal warehousing activities, including the physical receipt, storage, inventory, issue and re-warehousing of various classes of equipment, supplies, component parts, and the completion of covering papers and/or documents. **Job Relevant Criteria:** 1) Must be able to show experience or ability which indicates the potential to perform the duties of Stockman. 2) Must have demonstrated ability to correctly and accurately complete proper papers, documents, and records pertaining to receipt and issuance of material in a warehouse. 3) Must have demonstrated a knowledge of proper Navy warehousing procedures and methods.

Property Disposal Assistant, GS-1104-09, PD No. 625012, Code 2597—This position is located in the Merchandising Section of the Disposal Branch, Material Division, Supply Department. Duties include: Develop individual sales plans covering all commodities. Makes recommendations regarding sales plans on basis of volume and types of property and space requirements. Maintains active contacts with customers in regard to customers' requirements, usage of property and methods of merchandising. Has frequent contacts with officers and personnel of the Center activities who turn in material to this holding activity. Is designated as Retail Sales Store Manager. Supervises the receipt, temporary storage and issue of all excess and surplus property received in Warehouse 41. Is responsible for the collection of expended photographic solution, temporary storage of same and subsequent delivery to the silver extracting tanks of Michelson Laboratory. Is designated as Contracting Officer's Representative with duties performed as outline in DSAM 4160.1 and DDO Instructions, serves as alternate Delivery Officer. **Minimum Qualification Requirements:** Three years of general experience which must have been gained in one or more of the types of work indicated in any one or more of the following supply fields: (a) Requirements and distribution (b) Storekeeper and storage (c) Procurement and purchasing (d) Property and stock control (e) Supply cataloging. Specialized experience GS-7: 1 year, GS-9: 2 years, which must have included responsibility for the examination, classification, segregation, and for redistribution and utilization, sale, donation, abandonment, or other disposal of excess surplus and obsolete property or of salvageable and waste materials. This experience must have furnished a thorough knowledge of general trade practices, values and uses of commodities, merchandising methods, or marketing outlets, and must show successful dealings with representatives of industry, commerce or government. **Job Relevant Criteria:** Experience in actually setting up a sales plan of excess material. (2) Experience in processing paperwork involving excess material. (3) General familiarity with supply paperwork.

File applications for the above positions with Naomi Campbell, Bldg. 34, Rm. 206, X-3118.
Clerk-Typist, part time, GS-322-4, Code 4072—This position is that of secretary to



ECUMENICAL SCHOOL ACTIVITY—Children who enrolled in the Ecumenical Bible School that was conducted last week under sponsorship of the All-Faith Chapel prepare to enjoy refreshments during a get-together at McBride Park. The Ecumenical session was sponsored by both the Catholic and Protestant Congregations.

Branch B and Branch E of Weapons Systems Analysis Division, Weapons Development Department. Incumbent will be responsible for the typing of official correspondence and memoranda; preparation of travel orders and stubs, filing, receiving telephone and office callers, receives and distributes incoming mail and other duties as may be required to maintain an efficient office. Incumbent will work a minimum of 7 hours per day, hours 0830 to 1630. **Minimum Qualification Requirements:** One and one-half years general and six months specialized in accordance with X-118. **Advancement Potential:** None. **File applications with June Chipp, Bldg. 34, Rm. 26, phone 2676.**

Electronic Technician, GS-845-9/10 or 11, PD No. 535069, Code 5315—Calibrates microwave instruments such as attenuators, frequency meters, voltage standing wave ratio meters and noise figure meters. Designs, constructs and applies impedance matching networks to the output of wave form generating equipment. Alters existing test systems to meet applications of local R&D groups. Evaluates error sources in new techniques to assure accuracy and precision in final calibration reports. Performs research in Bureau of Standards of expanded photographic solution, temporary storage of same and subsequent delivery to the silver extracting tanks of Michelson Laboratory. Is designated as Contracting Officer's Representative with duties performed as outline in DSAM 4160.1 and DDO Instructions, serves as alternate Delivery Officer. **Minimum Qualification Requirements:** As outlined in CSC Handbook X-118, 6 years of appropriate experience, one of which is directly related to the duties of the position. One year of experience comparable in difficulty and responsibility to the next lower grade. **Job Relevant Criteria:** Thorough knowledge of electrical and electronic theory, including a facility for use of algebra, geometry, trigonometry and differential calculus. Knowledge of Navy Calibration program. Knowledge of statistics adequate to evaluate test results in terms of standard statistical parameters. **Advancement Potential:** GS-11 upon demonstrated ability to perform all duties and responsibilities.

Clerk-Typist, PD No. 755052, GS-322-4, Code 5533—Incumbent screens visitors and incoming telephone calls, initiates follow-up action on correspondence, prepares and edits correspondence submitted by personnel in Branch, performs timekeeping duties, arranges conferences for Branch Head, prepares travel orders, and maintains Branch files. Must keep up-to-date on all Center and Navy instructions pertaining to travel, correspondence, timekeeping, filing, etc. **Minimum Qualification Requirements:** Two years of appropriate experience, as outlined in CSC Handbook X-118. **File applications for above with Joan MacIntosh, Bldg. 34, Rm. 212, Ph. 2371.** Recruiting assistance has been requested by the Metropolitan Police Department, Washington, D.C. for the following positions:
Accident Report Reviewer, GS-301-5; Training Instructor (Firearms), GS-1712-7;

According to CWO-2 W. E. Bassett, Resident Assistant Officer in Charge of the Commissary Store, here is an announcement of the holiday hours for that facility. The store will remain open on Monday and Tuesday, June 29 and 30, from 10:30 a.m. until 5:30 p.m. On Wednesday, July 1, the Store will close for inventory, and will reopen Thursday, July 2, from 10:30 a.m. until 5:30 p.m. The store will close July 3, 4, 5 and 6, and will reopen on Monday, July 6, for regular business, from 10:30 a.m. until 5:30 p.m.

Desert District Boy Scout Leaders Hold Cub-O-Ree



Local Fathers Participate

More than 180 fathers and sons from China Lake, Ridgecrest, Inyokern, Boron, North Edwards and California City participated in the first official Cub-O-Ree ever to be staged by the Desert District of the Boy Scouts of America, on June 20 and 21 at Camp Nick Williams in the Piute Mountains south of Weldon.

Under the chairmanship of Mike Muffley, the Cub-O-Ree offered a chance for Cub Scouts and their fathers to get together for a weekend of planned activities. The principal reason behind the event was to allow an opportunity for Cubs to learn about camping through fellowship.

The first annual event, which was such a success that plans are already underway for next year's outing, was aided by help from Dick Guest, Dick Mahan, and Charlie Bridges, in addition to the help from Boy Scouts of Troop 801, 411 and Explorer Post 835.

Included on the weekend's list of events were nature hikes, fire building, knot tying contests, axemanship, swimming, boating, and instruction in emergency survival procedures.

In the evenings, Cub Scouts and their fathers gathered around the fire and took part in skits, told stories, and were presented with awards that were won during the day.

Non-denominational services were held on Sunday for those who wished to attend.



Photography
By
PHCS C. E. Bruce



THE LOCATION of the first annual Cub-O-Ree was Camp Nick Williams, in the Piute Mountains. Swimming and fishing were two main pastimes of Cub Scouts who attended the event.



CWO-2 PHILLIP MOORE shows an unidentified Cub Scout the fine art of making a small fire in the fire building contest.



SCOUTS GATHER around the campfire area to listen to a talk by Howard Allen, who gave a demonstration on the proper way



DURING THE WEEKEND, Cub Scouts competed in knot-tying contests, in addition to contests in axemanship, swimming, boating, fire building, and many other Scout events.



SCOUTERS AND THEIR fathers gather for a lecture on one of the arts of scouting during the weekend long event. Scouts ended each day with a campfire get-together which included skits, stories and award presentations.



DICK MAHAN demonstrates the proper trail cooking method for Scouts and their fathers, one of the many different Scouting skills taught during the weekend Cub-O-Ree.

to build a "Lean-to Fire Lay." Talks and demonstrations such as these were numerous during the fun-filled weekend.

Center Security Department Is Microcosm



The NWC Security Department, headed by Lcdr. B. W. Cummings, is composed of the Police Division, Fire Division, and the Security Operations Division. Recently, the Fire Division, headed by Fire Chief J. R. Brust, was featured in THE ROCKETEER.

On these pages, the Security Operations Division, headed by John Dowd, and the Police Division, led by police chief V. A. Cummins, are explained to China Lake residents.

The Security Operations Division is composed of the Internal Security Branch, headed by W. E. O'Neill, and the Official Visitors Branch, led by N. F. Smith.

Internal Security is responsible for background investigations performed on new employees; the badging of new employees; employees' security checks, and the issuing of passes for employees and their dependents.

The Security Operations Division and Official Visitors Branch are responsible for messages, official visitors, coordinating classified projects with other stations, and, in general, any other type of classified handling. In addition, the branch sees to the security of classified documents and information aboard the Center, or

in transit to other Centers.

The Passport and Contract Security office, staffed to the Department Head, is responsible for furnishing passports to NWC employees, and completing travel arrangements for overseas visits performed by employees in the line of duty, and the security of classified contracts.

The Police Division is broken down into two large sections—police, and guard branches. This division, which includes an Investigative Branch, Juvenile Branch, and Vehicle Control Branch, handles the police work of the Center.

In the Investigative Branch, uniformed policemen handle emergency calls for assistance, investigate complaints, and make crime reports. It is the duty of an NWC police officer to enforce Federal, State, and County laws, in addition to NWC Instructions.

At the present time, NWC has two plainclothes detectives, and one detective trainee—usually a patrolman from the Investigative Branch on temporary training duty. C. A. L. Mitchell heads the Investigative Branch.

Sgt. E. J. Roy is the Center Juvenile officer. In addition to his regular duties, Sgt. (Continued on Page 8)

LCDR. R. M. ST. GERMAIN, (2nd from right), who will assume the duties of NWC Security Officer July 1, receives an orientation from Lcdr. B. W. Cummings, 2nd left,

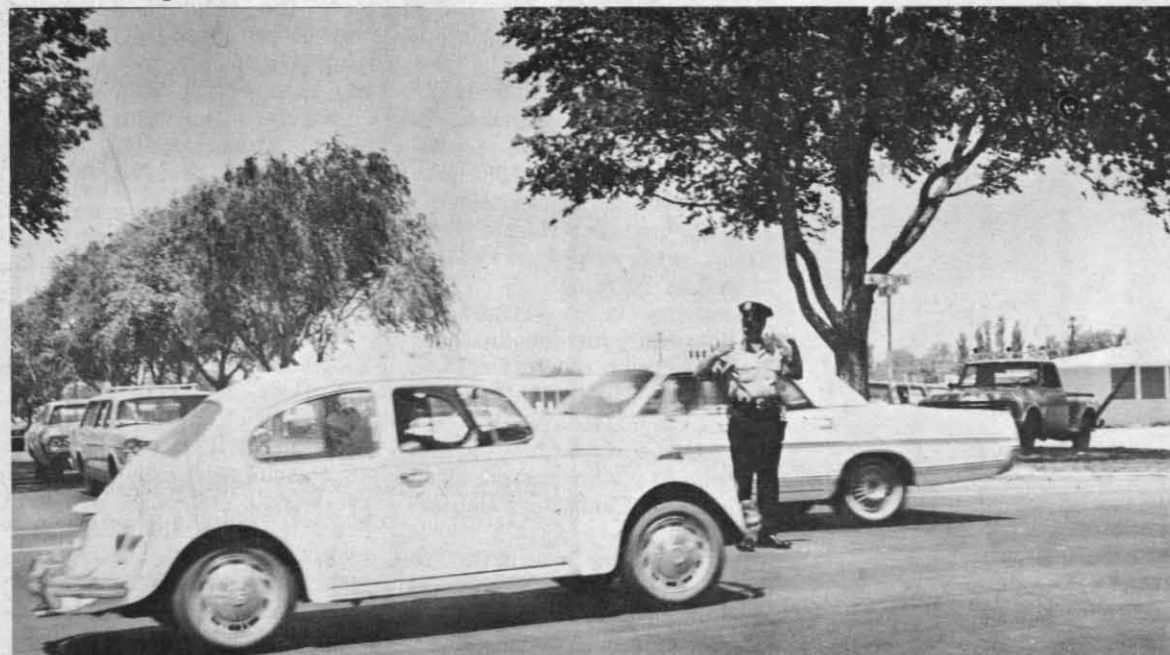
Security Officer, and Mrs. E. Q. Paine, I, secretary for the department head, and R. H. Bodwell, Jr., the Associate Department Head.



ANN COTTINGHAM, of the Internal Security Branch, laminates a badge for a new NWC employee. All passes and badges, both for employees and their dependents, are handled through this branch.



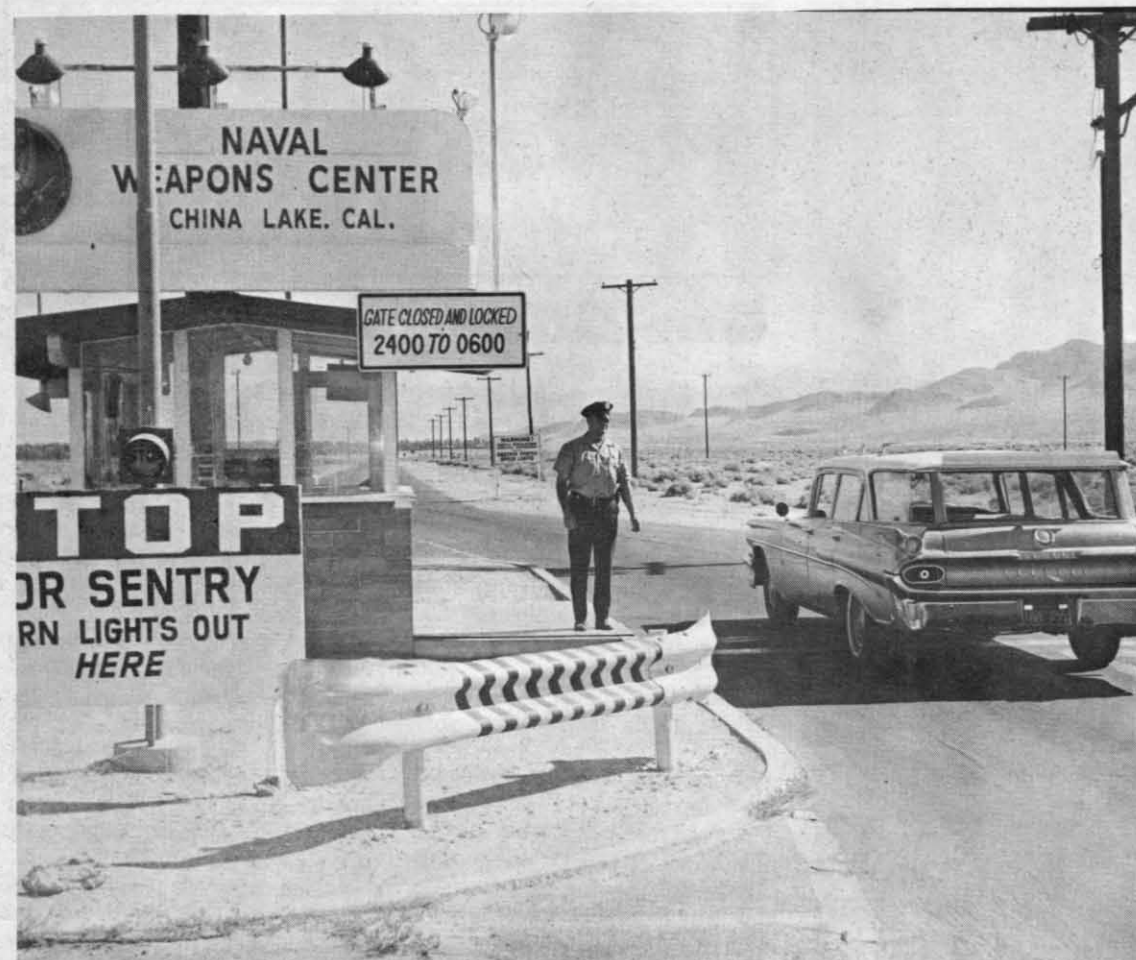
V. A. CUMMINS, Chief of the NWC Police Department, I, meets with members of his staff to discuss police policy. They are, I to r, Darlene Baker, police secretary, C.A.L. Mitchell, police captain, and H. R. Smith, police lieutenant.



POLICE OFFICER Jerry Lefebvre directs traffic at the Lauritsen and Blandy intersection. Traffic on the Center is the responsibility of the NWC Security Dept.



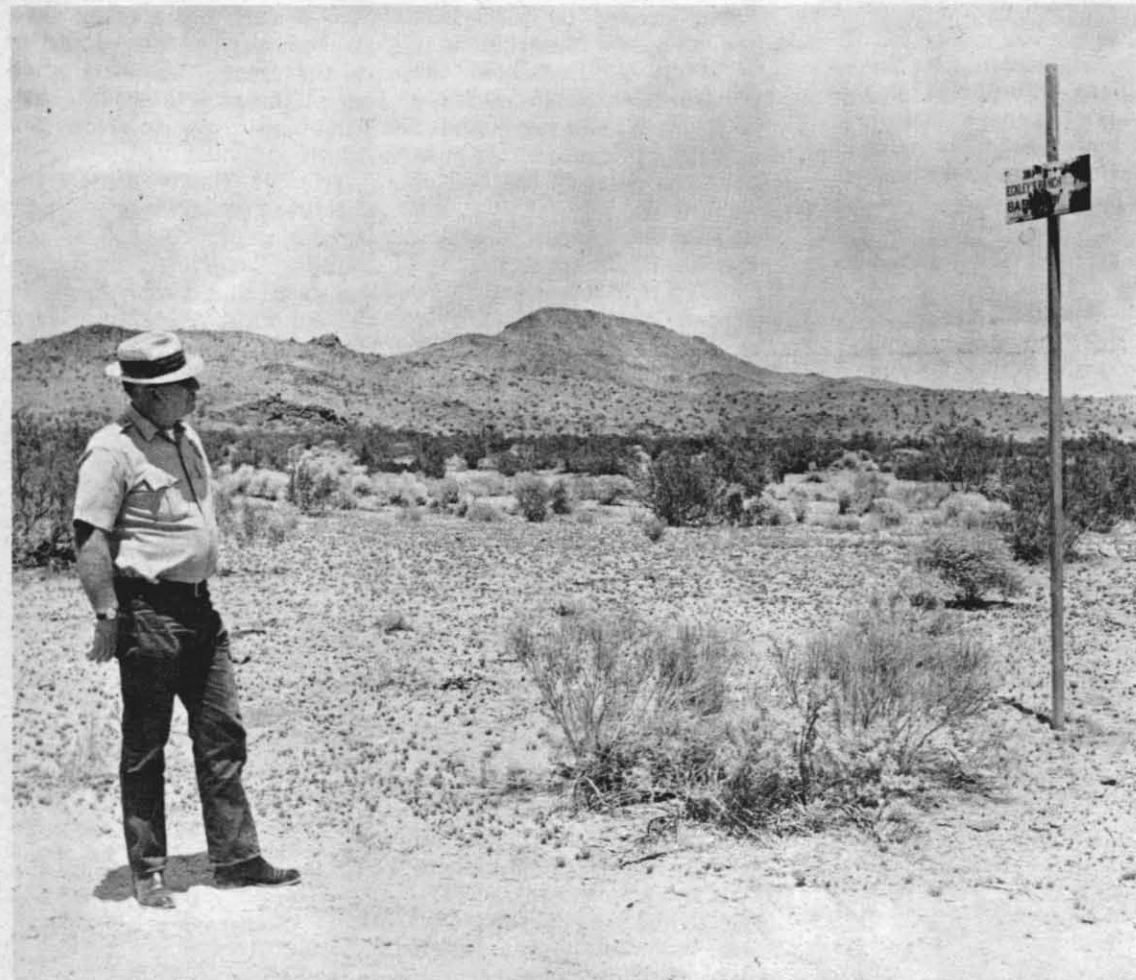
OFFICER LEFEBVRE cites a motorist for a physical violation of an NWC instruction. Members of the NWC Police Division are responsible for enforcing all Federal, State, County, and NWC motor vehicle laws.



E. J. HISER, a member of the NWC Guard branch, checks passes at the Richmond Road Gate. Members of the guard branch are responsible for the physical security of NWC.



WM. O'NEILL, Head, Internal Security Branch, fingerprints a new employee in preparation for the issuance of an identification badge.



R. J. WHITING, an NWC policeman, is responsible for range patrol on the Center. Here he checks signs posted at the perimeter of NWC property.



POLICE AND GUARD personnel receive a briefing from Sgt. D. E. Crager and Lt. H. R. Smith prior to going on duty. Each shift receives a similar briefing prior to a shift.

Photos
By
PH-2 D. E. Hart
&
PH-2 M. F. Krause



MRS. MARIE ANN MICHEL who handles the dispatching of NWC Security patrol vehicles, and emergency vehicles, is a member of the NWC Police Division. Policemen are responsible for answering emergency calls, and the investigation of crime or accident complaints. The calls are usually routed through Policewoman Michels.