

Museum Monday  
Gourmet Luncheons  
To Resume Sept. 16

The Maturango Museum gourmet luncheons will resume on Monday, Sept. 16, in the Sidewinder Room of the Community Center. A luncheon will be held each Monday except for three-day holiday weekends and school vacation periods until June. The luncheons were begun last year to offer a unique experience in food appreciation, and to raise funds for the Maturango Museum building fund.

Luncheon seatings are at 11:30 and 12:30 and patrons choose the time most suitable and available. The 11:30 seating is a popular one and reservations fill quickly. This year, reservations may be made each morning, Monday through Friday, from 8-11 by calling the Community Center, NWC ext. 2010. The taking of reservations will start on Monday for the Sept. 16 luncheon.

A maximum of 80 persons can be accommodated at each of the two seatings. Persons who have made a reservation and then find it necessary to cancel are asked to call the Community Center promptly so that others may be accommodated on the waiting list.

Price Raised to \$3  
Because of the rise in food costs, the Luncheons' Committee has found it necessary to raise the price of the luncheons to \$3. The committee is quick to point out that there is not going to be any substitution of less-expensive ingredients for they do not wish to compromise the quality of the food offered.

The luncheons are prepared and served by women volunteers from the community. "There are more than 100 women in the community who volunteer their time to help in this project and it couldn't be done without them," said Mrs. Carl Schaniel, chairman of the Luncheons' Committee. Other members of the luncheon group are: Mrs. Harold Byrd who is in charge of the kitchen, plans the menus, does the shopping, and supervises the preparation of the food; Mrs. Dennis Welcome, volunteers chairman; Mrs. Peter Nicol and Mrs. Hugh Hunter, advisors; and Mrs. R. M. McClung, business manager.

Entry Forms Due Next Friday  
For Exhibits' Section of DEF

Next Friday, Sept. 13, is the deadline for submitting completed entry forms by those who wish to compete in the exhibits' section of the 1974 Desert Empire Fair, which is to be held Oct. 2 to 6 at the fairgrounds in Ridgecrest.

Premium lists and entry forms for this year's fair can be obtained at the NWC Federal Credit Union, at the Kern County Building on No. China Lake Blvd. in Ridgecrest, or at the Ridgecrest City Hall.

Defensive Driving Course  
Offered for Women Only

A one-day Defensive Driving Course will be given for women only on Tuesday, between the hours of 8 a.m. and 4:30 p.m.

The course will be conducted in the Safety Department's Conference Rm. A, located at the intersection of Nimitz Rd. and Hussey Ave.

Information to be presented will include facts on the kinds of vehicle accidents that occur in this area, and defensive measures that can be taken to prevent them.

All women residents of the area are invited to call NWC ext. 2267 to reserve a space in this National Safety Council Defensive Driving Class.

Hurricane Hunters on TV

The television movie "Hurricane," previously titled "Hurricane Hunters," will be aired at 8:30 p.m. Tuesday by the ABC TV network.

Both the Air Force and Navy cooperated in the preparation of this program, which features an air-sea rescue by the submarine USS Trout.



COFFEE PLANNED BY WACOM — "Harvest Hoedown" has been chosen as the theme of the annual membership coffee for members of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM). Checking a poster advertising this event, which is held by Mrs. Suzanne Shurt (at left), WACOM publicity chairman, are Nancy McCauley and Jayne Monk (at right), co-chairmen of this event. The WACOM membership coffee has been scheduled on Tuesday, starting at 9:30 a.m., at the COM. —Photo by Maurice Dias

HAPPENINGS AROUND NWC

Registration for University of Southern California public administration and engineering courses will be held from 1 to 4 p.m. in Rm. 107 of the Training Center next Friday, Sept. 13.

NWC Enrollment Forms 12410 / 28 should be submitted to Code 654, via proper department channels prior to registration. Courses offered this semester are as follows:

PA 516, Concepts and Practices in Public Personnel Administration; PA597, Practice of Administration; PA 579, Behavioral Aspects of R&D Administration; EE 464, Probability Theory; EE 585, Linear Systems Theory; and ME 509, Applied Elasticity.

Cactus Squares Plan Dance  
Members of the Cactus Squares will hold

their opening dance of the season tomorrow night, beginning at 5:30, at the Community Center.

An outdoor barbecue is planned and members are requested to bring their own meat to cook. Persons whose last names begin with A to M are requested to bring salads, while all others should bring desserts.

Singles are asked to provide hot buttered French bread. The dancing will begin at 7:30 with Ivan Hall doing the calling.

Bobby Day To Be at COM  
The Commissioned Officers' Mess will come alive tomorrow night when Bobby Day and the Drifters take center stage to present a pair of floor shows — one at 9:30, and the other at 11:30.

COM members can see both floor shows and enjoy a hearty buffet dinner for \$9 per person. The buffet starts at 6 o'clock.

Other members, who wish to pass up the prime rib dinner being prepared by Chef John Appleby, can catch the floor shows for a nominal charge of \$4 each.

Drake Dierkhising, club manager, warns that only a limited number of tickets are available for this engagement. Reservations can be made by calling 446-2549.

COM To Serve Breakfast

Drake Dierkhising has announced that beginning on Monday, breakfast will be served at the club during the week.

Patrons may order from the menu and a variety of breakfast fare will be offered. Hours for the special serving are 6:30 to 8 a.m.

In addition, the COM manager noted that each Wednesday and Friday nights during the month of September, a band will play in the dining room for dancing, beginning at 9 p.m.

Scheduled for this month is the Good Times Band.

Meeting on UNIVAC 1110

The new Univac 1110 computer, destined soon to replace the Univac 1108, will be the topic of discussion at a meeting sponsored by the Computer Science Branch of the Systems Development Department's Assessment Division on Monday.

The meeting will be held in the Mojave Rm. of the Community Center, beginning at 1 p.m. Information concerning the new computer will be disseminated, as well as a schedule for the changeover.

Ralph Coffin, of Univac, Inc., will discuss the new computer's architecture and operating system.

Time has been allotted for a question and answer session.

All Central Computing Facility users are urged to attend this meeting.

SHOWBOAT

MOVIE RATINGS  
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  
(PG) - ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian  
CS - Cinemascope  
STD - Standard Movie Screen  
Regular starting time—7:30 p.m.  
Matinee—1 p.m.

FRI. 6 SEPT.  
"DUCK YOU SUCKER" (138 Min.)  
Rod Steiger, James Coburn  
(Action Drama) Rod Steiger plays a Mexican peon-turned bandit whose swarm of sons of all ages serve as his gang. (PG)  
SAT. 7 SEPT.  
—FAMILY MATINEE—  
"THE INCREDIBLE MR. LIMPET" (99 Min.)  
Don Knotts, Carole Cook (G)  
—EVENING—  
"WHERE DOES IT HURT?" (88 Min.)  
Peter Sellers, Jo Ann Pflug  
(Comedy) A greedy hospital administrator is mistrusted by impoverished patients, pursued by a female staff member and resented by bumbling staffers, whose complicity in failure is nearly total. (R)  
SUN. & MON. 8-9 SEPT.  
"THE OTHER" (100 Min.)  
Uta Hagen, Chris Udoarnok  
(Humanistic Horror) Mischievous twin boys in Connecticut in 1935 cause unexplained death and destruction. (R)  
TUES. 10 SEPT.  
"A WARM DECEMBER" (101 Min.)  
Sidney Pollier, Esther Anderson  
(Melodrama) Set in the London Embassy of an emerging East African state, the story of intrigue concerns an American doctor and a mysterious young woman. (PG)  
WED. 11 SEPT.  
"THOMASINE AND BUSHROD" (95 Min.)  
Max Julien, Vonneta McGee  
(Western) The time is 1911 in Texas, and Vonneta McGee feels an urge to return to bounty hunting when she learns that her ex-lover, Max Julien, is wanted for murder and bank robbery. She catches up with the near-legendary Julien and decides that love means more than money. Marshal George Murdoch, humiliated by Julien, is about to shoot him when McGee affects a rescue. The lovers team up to rob banks, help the poor and improve their life style. Nearly captured by storekeeper Kip Allen, McGee and Julien are saved by gunslinger Glynn Turman. (PG)  
THURS. & FRI. 12-13 SEPT.  
"THE GOLDEN VOYAGE OF SINBAD" (103 Min.)  
John Philip Law, Caroline Munro  
(Fantasy) An amulet dropped by an albatross is retrieved by Captain Sinbad (John Philip Law). The evil Prince Tom Baker, accompanied by Takis Emmanuel, knows that the amulet is part of a meditation which will lead to a fabulous treasure. Vizier Douglas Wilmer, who wears a mask to cover his burned face, accompanies Law on the voyage to find the treasure. The island of Lemuria provides the location for a confrontation between Law and Baker. Using his magical powers, Baker brings to life a homunculus and a six-armed idol to menace Law's group. (G)

Catholic Picnic Will  
Be Held on Sept. 21

The annual Catholic parish picnic will be held on Saturday, Sept. 21. Location for the event again this year will be at the Inyokern Park.

Tickets are now on sale following the Masses at the All Faith Chapel.

There will be organized games for the children, and the CPO pool will be available for use. The picnic will be held from 3 to 10 p.m. "All are invited," Rusciolli emphasized.

Prizes will be given away during the affair.

From: \_\_\_\_\_ PLACE  
\_\_\_\_\_ STAMP  
\_\_\_\_\_ HERE  
To: \_\_\_\_\_

NWC Is Scene of Aug. 30  
Triple Retirement Ceremony

A retirement ceremony during which the military careers came to a close for one Navy officer, a Marine Corps officer and a Navy chief warrant officer, whose combined number of years in the service of their country totalled nearly three-quarters of a century, was held last Friday morning on the parade ground in front of the Naval Weapons Center Administration Building.

Those retiring from active duty were Capt. W. H. Sturman, NWC's Public Works Officer for the past three years; Lt. Col. John L. "Jack" Pipa, who has been assigned to the Marine Corps Liaison Office at China Lake for a little more than four years, and Chief Warrant Officer P. "Mike" Moore, Jr., Food Service Officer, whose second tour of duty at China Lake began in early 1972.

The triple retirement ceremony opened with the benediction by Capt. R. E. Osman, NWC's senior Chaplain, and brief remarks by Rear Admiral R. G. Freeman III, NWC Commander. Two of the most solemn moments in the Navy service are when an individual accepts the oath of enlistment and when he (or she) is retired, RADM. Freeman noted.

Wives Shared Spotlight  
In each case, the wives of the three men who were retiring from the military service were invited to step forward and share the spotlight with their husbands. All three women received certificates of appreciation from the NWC Commander, who also presented letters of personal commendation, as well as official retirement certificates and American flags to each of the retirees.

An additional honor was bestowed on Capt. Sturman, who was the recipient of a Meritorious Service Medal and citation that was signed for the President by Adm J. L. Holloway III, Chief of Naval Operations.

CWO Moore and his wife, Jeanette, were the first to be called forward during last Friday's retirement ceremony. In the letter that CWO Moore received from RADM. Freeman he was commended for his duty as Food Service Officer at China Lake, as well as for his involvement in various youth programs while at China Lake.

His first tour of duty at NWC began in 1969 and sandwiched in between it and this final hitch on the desert was a year-long period as the Material Control Officer for Helicopter Attack Squadron 3, operating in the Mekong Delta area of South Vietnam.

Double Duty Performed  
For a portion of his final 2½ years-plus of Navy duty, CWO Moore demonstrated his effectiveness and versatility by serving for a time as head of both the NWC Supply Department's Aviation Supply Division and the Food Service Division.

In brief farewell remarks, after receiving his certificate of retirement from RADM. Freeman, Lt. Col. Pipa conveyed something of his personal feelings about this, his last duty station.

He referred to China Lake as his "best peacetime tour," but then observed that the more than four years spent here "wasn't a tour—it was a privilege. It was the people here who made it so good," he added.

He wasn't saying "goodbye," Lt. Col. Pipa



MERITORIOUS SERVICE RECOGNIZED — A highlight of last Friday's triple retirement ceremony was the presentation of a Meritorious Service Medal by RADM. R. G. Freeman III, NWC Commander, to Capt. W. H. Sturman, the Center's Public Works Officer, on the occasion of his retirement. RADM. Freeman was acting on behalf of the Chief of Naval Operations. Looking on happily at left is Capt. Sturman's wife, Betty. —Photo by Ron Allen

continued, stating that he hoped and expected to be back—especially for the next Marine Corps ball. "I have two regrets about my tour here—it didn't come sooner, and I can't stay longer," the retiring Marine Corps officer concluded.

During the more than four years that he was assigned to the USMC Liaison Office at the Center, Lt. Col. Pipa served as the helicopter project officer. In addition to his official duties in connection with various weapons programs, he became well-known for volunteering his services to fly rescue missions for the China Lake Mountain Rescue Group.

Lt. Col. Pipa's wife, Faye, joined him at the speaker's rostrum, where, like the wives of the other two military men who were retired, she received a letter of appreciation from RADM. Freeman.

Career Summarized

As Capt. Sturman and his wife, Betty, were called forward, the NWC Commander began by presenting a capsulated version of what he termed "a very distinguished career" on the part of the Center's Public Works Officer. In addition, RADM. Freeman read a letter from RADM. A. R. (Mike) Marschall, head of the Naval Facilities Engineering Command in Washington.

The latter expressed appreciation for Capt. Sturman's contributions to the Civil Engineer Corps, and the enthusiasm and dedication with which he had carried out his many and varied assignments as a Naval officer. "You can look back on your entire service career with pride," the letter from RADM. Marschall stated.

RADM. Marschall also sent along a letter of appreciation to Mrs. Sturman that was given to her along with a certificate from RADM. Freeman

Medal Presented

Presentation of a Meritorious Service Medal to Capt. Sturman was next on the agenda. RADM. Freeman pinned on the medal after first reading the citation that accompanied it. The citation noted that NWC's outgoing Public Works Officer was "personally responsible for revitalizing the Center's planning and programming for new facilities and structures, and the acquiring of vitally needed new or improved laboratory, living, and recreation facilities."

Also mentioned in the citation were the leadership provided by Capt. Sturman that resulted in an expanded and improved "Self-Help" program, as well as new ap-

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nwc rocketeer  
Promotions of Three Long-time Employees  
As Department Heads at NWC Approved

On the recommendation of the Naval Weapons Center's In-House Advisory Committee, and with the recent confirmation of both the Secretary of the Navy and the Civil Service Commission, three NWC employees have been promoted to the positions of department heads.

They are Dr. Marguerite M. Rogers, who heads the Weapons Development Department; Burrell W. Hays, head of the Engineering Department, and D. Jack Russell, head of the Electronic Systems Department.

Dr. Rogers, the first woman to hold a department head position at the Naval Weapons Center (or its predecessor the U.S. Naval Ordnance Test Station) is a nationally recognized expert in the delivery, development, tactical employment and ultimate effectiveness of conventional weapons.

While her first efforts for the Navy date back to 1943, when she was head of the

Optics Section in the Research Department at the Naval Avionics Facility in Indianapolis, Ind., Dr. Rogers first came to work at China Lake in 1949. At that time she was involved in and made significant contributions to analytical studies essential for the ballistic equations and fire-control errors relating to the Mk 16 Fire Control System and various rockets.

Between 1954 and 1957, Dr. Rogers took part in research studies performed at the University of South Carolina under a contract with the Office of Naval Research, and (for a year) was a visiting lecturer in physics at the Royal Technical College in Salford, England.

From 1957 until the present time, Dr. Rogers has remained at China Lake where her expertise and hard work have won her a number of awards as she has assumed steadily increasing positions of responsibility.

In 1960, she became part of the team

which spearheaded the change of emphasis in the Navy from nuclear weapons to improved conventional ordnance, and in 1966 Dr. Rogers was presented the L. T. E. Thompson award in recognition of her leadership in the development of Navy's free-fall weapons. This same effort, which took place while she was head of what was then called the Air-to-Surface Weapons

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Navy Helo Transports Injured 'Cyclist'

A Naval Air Facility helicopter, piloted by Lt. Ian Refo, was called out Sunday afternoon to transport an injured motorcyclist from Black Rock Ranger Station (just north of Troy Meadows) to the Stephenson Memorial Helipad across the street from the Ridgecrest Community Hospital.

Robert Hughes, a Chino resident, suffered back injuries and was knocked unconscious when he lost control of his motorcycle. The call for assistance in transporting the

injured man from the Sequoia National Park Ranger Station at Black Rock was received at 4:45 p.m. at NAF, and the accident victim reached the local hospital at around 6 p.m. Sunday.

On board the helicopter with Lt. Refo were Ltjg. Robert Engelhart, co-pilot; LCDr. Gary Gibbons, flight surgeon; and ADJ3 Stephen Wilson and AA Al Oritz, crew members.



FINAL SALUTE — Each of the three military men whose combined length of service to their country totalled nearly 75 years were "piped over the side" at the conclusion of last Friday morning's retirement ceremony. Shown above as he marched between the double rank of "sideboys" is Lt. Col. John L. "Jack" Pipa, U.S. Marine Corps. —Photo by Ron Allen





**VISITORS TO NWC**—Capt. T. C. Wimberly, NWC's Technical Officer, presented an NWC plaque to Herman Bogart, president of the Kern County Credit Union League, during that group's visit to the Center last week. More than 40 members of the League were taken on a tour of the NWC Federal Credit Union, saw a couple of films, including "Evening Colors," visited the Maturango Museum and Weapons Exhibit Center, and ate dinner at the Commissioned Officers' Mess. Following dinner, the bus load of Kern County visitors stayed for the first of the two melodramas presented by the China Lake Players that night at the COM.

## 'Comment Cards' Helpful to Public Works

"Customer comment cards," a means used by the Public Works Department for many years to determine the feelings of customers about all work performed by the department's craftsmen, are used to provide Code 70 supervisors with a direct input on the service call system.

The cards are normally left by workmen Growth Group Planned By Women's Coordinator

All women interested in forming a growth group should attend a meeting scheduled next Wednesday, Sept. 11, at 11:30 a.m., in the Training Center.

This group, according to Alice Pastorius, Federal Women's Program Coordinator at NWC, will be oriented toward women who are interested in career development.

All those who attend are asked to bring their lunch.

at the site after trouble calls. A space is provided on the back of the card asking of the customer if the work was satisfactory, if cleanup was OK, was PW's response timely, was the job a repeat trouble, and if it was, how long ago.

In addition, the card asks the question, "How can we serve you better?"

Customers are encouraged to fill out the postage-free cards and mail them in. They are addressed directly to the head of the Public Works Department.

In the event that such a card is not left at the job, it can be obtained from Teltmart, NWC Ext. 3571. The cards are listed as form 11ND-NWC-4700/.23.

### SAFETY SEZ:

When lifting, use arms, legs, back and brain.

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

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NWC Commander

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**DEADLINES:** Tuesday, 4:30 p.m.  
Wednesday, 11:30 a.m.

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Phones -3354, 3355, 2347



## DIVINE SERVICES

**PROTESTANT**  
Sunday Worship Service 1015  
Sunday School — All Ages 0900  
Wednesday Noon Bible Study 1130  
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.

### ROMAN CATHOLIC

MASS 1700 fulfills Sunday obligation  
0700 0630 1130

### BLESSED SACRAMENT CHAPEL

MASS 1135 1635  
Daily except Saturday  
First Friday only

**CONFESSIONS** 1545 to 1645  
0800 to 0825

**CCD CLASSES**  
Sunday Kindergarten thru 6th grades 1015  
Wednesday Seventh and 8th grades 1015  
Above classes are held in Chapel Annexes across from Center Restaurant.

As announced  
Ninth thru 12th grades  
"In Home" Discussion Groups  
Monthly Youth Rallies  
Contact Chaplain's Office for specifics.

### JEWISH SERVICES

**EAST WING — ALL FAITH CHAPEL**  
Friday 1st and 3rd ONLY — (Sept. - May.)  
Sabbath Services 2000  
Sabbath School 0900

### UNITARIANS

**CHAPEL ANNEX 95**  
Services — (Sept.-May.) 1930

## PROMOTIONAL OPPORTUNITIES

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 452, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel packet. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 456 or 457). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason.

**Cement Finisher, WG-3602-08, JD No. 178-1, Code 70426** — Finishes concrete and similar material to construct floors, walls, streets, sidewalks, columns, plasters and other related concrete and masonry type work. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with X-118C.

**Supervisory Quality Inspection Specialist GS-1940-09, PD No. 7470007, Code 7082** — This position is Head, Maintenance Service Branch. The incumbent supervises and administers the inspection of maintenance service contracts and is designated as the official government representative for Officer-in-Charge-of-Construction for all maintenance service contracts. Minimum Qualification Requirements: As outlined in X-118, Job Relevant Criteria: Must have the ability to administer a variety of maintenance service contracts. Must be able to formulate and write contract proposals. Must be familiar with contract cost estimating. Must also have the ability to negotiate maintenance service contract change orders.

**Cable Splicer, WG-2816-10, JD No. 54-1, Code 70432** — Splices electric power cable of various types, forming straight splices, joints for branch lines and fittings for terminal connections. Solder wire connections, insulates connectors, installs and wipes lead sleeves over joints. Works on single and multiple phase conductor cables, either on pole lines or underground, designed for carrying high voltage current. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with X-118C.

**Electrician (High Voltage) WG-2810-10, JD No. 384, Code 70432** — Installs, maintains and repairs electrical transmission and distribution lines, equipment and accessories connected with power transmission. This includes overhead and underground power lines, transformers, street lighting systems and switching gear. Does work on "hot lines" up to and including 500 kV. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with X-118C.

File applications for above with Dora Childers, Code 657, Rm. 210, Ph. 2022.

**Accounting Technician, GS-525-6, PD No. 7317009, Code 1742** — Incumbent is responsible for the functions of the Training, Accounting, and Staff. Controls and maintains cost accounting records and subsidiary ledgers for all NWC travel and related costs chargeable to the Navy Industrial Fund (NIF). Plans and organizes training and gives technical instruction to unit members. Each week the incumbent reconciles entries made by the general accounting branch to the weekly DES Journal of Transactions. Maintains subsidiary ledgers for all travel accounts. Follows up on all unliquidated travel advances. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Knowledge of NIF. Knowledge of NWC cost accounting system. Must be able to deal tactfully and effectively with people.

**Accounts Maintenance Clerk, GS-3, 4 or 5, PD No. 717031-4, Code 1743** — Receives and processes purchase documents. Validates outstanding vouchers and outstanding accounts payable for assigned segments of accounts. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Knowledge of accounting clerical methods and procedures; ability to meet deadlines under pressure; ability to get along with others in work group; ability to work rapidly and accurately.

File applications for the above with Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2676.

**Engineering Technician, GS-802-9 or 10, PD No. 7345068, Code 4533** — This position is located in the Environmental Engineering and Inspection Branch, Propulsion Development Department. The incumbent will be responsible for planning and coordinating environmental and safety qualification tests on various ordnance items and generating test procedures/test reports. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: (1) Experience/knowledge of vibration, shock, environmental equipment and experiment equipment; (2) Ability to plan and coordinate various elements of environmental and safety testing.

**Electronic Technician, GS-854-7 / 8 / 9 or 10, PD No. 7345039, Code 4533** — This position is located in the Environmental Engineering and Inspection Branch, Propulsion Development Department. The incumbent is responsible for the calibration, maintenance and repair of the electronic instruments (vibration, cookoff, drop test, etc.) used in the vibration and test facility. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: (1) Experience/knowledge of electronic instrumentation; (2) Ability to modify electronic equipment to various tests.

**Electronics Engineer (Instrumentation) GS-854-13, PD No. 7450699, Code 4531** — This position is that of Senior Electronics Engineer (Instrumentation) in the Ballistics Test Branch. Responsible for the instrumentation setup in test of solid, airbreathing and liquid propellant rocket motor and warhead. The primary function of this branch is to provide accurate rocket motors test data. Minimum Qualification Requirements: As defined in the CSC Handbook X-118, Job Relevant Criteria: (1) Knowledge of large complex data acquisition systems used for static testing of large rocket motor firings. (2) Ability to make correct decisions quickly under a great deal of pressure. (3) Ability to plan and coordinate instrumentation and data requirements on extremely complex tests.

File applications for the above with Mary Morrison, Code 657, Rm. 210, Ph. 2393.

**Administrative Officer, GS-341-9 or 11, PD No. 7437047, Code 371** — The incumbent will provide a wide range of administrative assistance to the Head, Project Engineering Division. The incumbent will be involved in data accumulation, analysis and presentation to assist in all aspects of financial and workload planning and control. Job Relevant Criteria: Ability to deal effectively with people of many disciplines; knowledge of Center and Department budgeting, accounting and personnel policy; ability to express himself orally and in writing. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Promotion Potential: GS-12.

**Electronics Engineer, GS-855-7 thru 11, PD No. 7437045, Code 37012** — This position is located in the Frequency Management Office, Test and Evaluation Department. Consistent with grade level, the duties to be performed include design, evaluate, calibrate and operate electronic receiving and analyzing systems used for radio frequency monitoring, interference identification, signal location and analysis. Will provide technical services relative to frequency usage and scheduling conflicts. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Knowledge and background in electronic principles and theory. Knowledge of the principles of radio communication, telemetry, command, destruct, radar, microwave and other transmitting-receiving equipment used at the Center.

**Electronics Technician, GS-854-9, PD No. 7437048, Code 3731** — The incumbent is responsible for the design, modifications, operation and maintenance of electronic measurement systems, electronic digital data systems and related equipment to collect landline data for tests conducted on the Center. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Range operations experience; thorough knowledge of electronic measurement and data collection methods and equipment with emphasis on landline data transmission, reception, recording and display.

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## Adult Program At Burroughs Begins On Tuesday Night

Registration for the fall semester of the Burroughs Adult School program will begin on Tuesday evening at the time that the first class sessions are scheduled.

Since there is no pre-registration for the courses to be offered, the sign-ups will take place in the various classrooms where the subjects will be taught. Individual classes are scheduled to start at 6, 6:30 and 8 p.m.

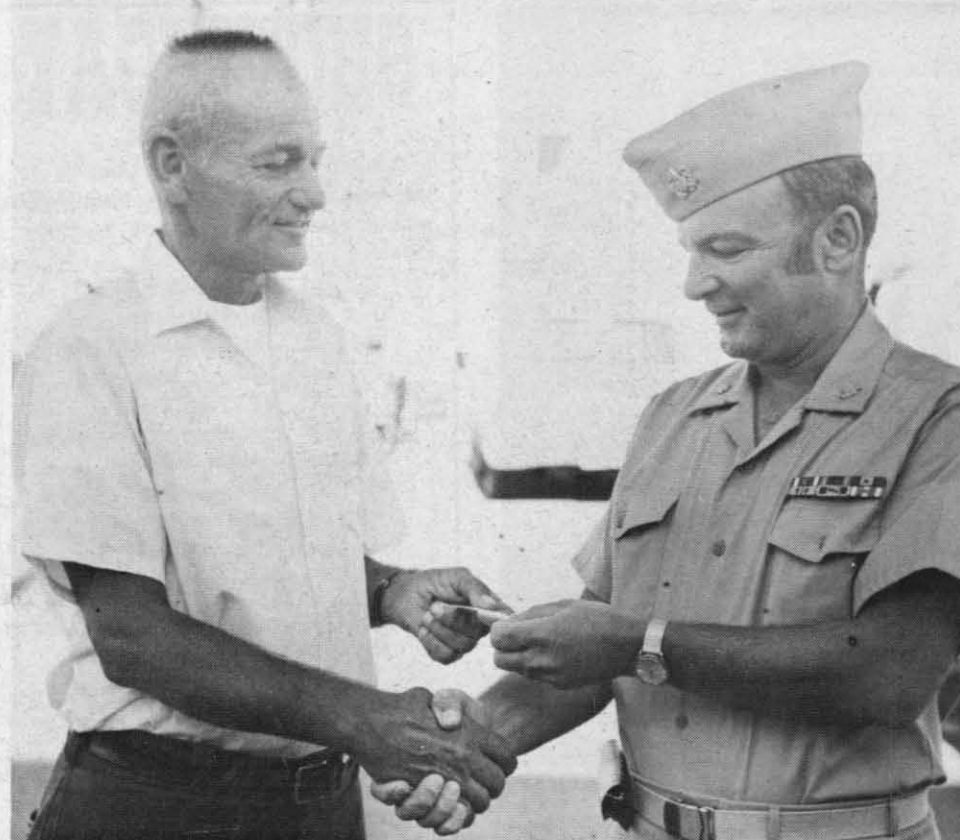
Any adult interested in working toward a high school diploma is asked to stop by the Burroughs Adult School office, on the local high school campus, to review previous academic work and select courses that will meet high school graduation requirements.

There is no tuition fee for the classes. However, students must buy their own textbooks and supplies.

Some of the subjects available this year include courses in bookkeeping, business math, office procedures, shorthand-stenograph, typing, English, mathematics, social sciences, home economics, crafts and driver education and training.



**NOW AT VX-5 — A recent arrival at Air Test and Evaluation Squadron Five is Lt. Jerry K. Jacobs, who has been assigned to the VX-5 Operations Department. Transferred here from Attack Squadron 27 at the Naval Air Station in Lemoore, Calif., Lt. Jacobs is a Naval Academy graduate (Class of 1967). After leaving Annapolis, he attended the Naval Postgraduate School at Monterey, Calif., where he obtained a master's degree in aeronautical engineering in March 1968. Flight training was next for Lt. Jacobs, who received his "wings of gold" in August 1969 at Corpus Christi, Tex.**



**HONORED FOR SAFE DRIVING** — Martin W. Pallas (l.), a heavy truck driver for the past 23 years, was recently presented a certificate citing his 20 consecutive years as a motor vehicle operator without a lost-time accident. Pallas, who came to China Lake in March 1948, transferred into the Public Works Department in September 1951. He is shown being congratulated by Cdr. James L. Uhe, who is the acting Public Works Officer.

—Photo by Maurice Dias

## PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

**Clerk (Typing), GS-301-5, PD No. 7435035, Code 5312** — The incumbent works closely with the branch editors in preparing preliminary review drafts and final reproduction masters of quick-response reports. He/she uses IBM MTS in preparing final reproduction masters; checks quick response reports for conformity to NWC style and format. He/she applies various reference guides in verifying nomenclature and security markings. He/she performs branch and receptionist duties; maintains weekly scheduling sheet and maintains the files/records. Minimum Qualification Requirements: As outlined in CSC Handbook X-118, Job Relevant Criteria: Ability to use/apply various guides/references verifying manuscripts and reproduction copy; ability to deal effectively with people; knowledge of technical terminology. File applications for the above with Pat Gaunt Bldg. 34, Rm. 212, Ph. 2514.

**Supply Clerk, GS-2005-3 / 4, PD No. 7435036, Code 25911** — This position is in the Storage and Retail Branch of the Supply Department. The incumbent is responsible for the receiving, preparation and processing of Teltmart orders. Types correspondence for the warehouse; prepares master cards for new items; types stubs and maintains records and reports. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Ability to get along with others in work group. Ability to work rapidly and accurately. Telephone answering skills. Metal Sawing Machine Operator, WG-3423-7, JD No. 383, Code 25913 — This position is in the Storage and Retail Issue Branch, Material Division of the Supply Department. Incumbent operates metal sawing machines, such as: Do-all band saws, abrasive saws, sander, cut-off saw and shear. Saws metals, metal alloys and nonmetallic materials. Responsible for maintaining records in the physical receipt, issue and storage of metals and materials. Minimum Qualification Requirements: As defined in the appropriate J-Element Standards in CSC Handbook X-118C.

**Contract Specialist, GS-1102-9, PD 7125011AM1, Code 2521** — Applications solicited from others as well as NWC employees. This position is located in the Procurement Management Branch of the Supply Department and provides for the preparation of documentation for major research and development and weapon system contracts. The incumbent analyzes proposed contractual actions for correctness; provides extensive pre- and post-contractual liaison between NWC and contracting offices; interprets and applies procurement policies and procedures. Will also advise and participate with NWC program managers and project engineers on specification amendments, etc. to existing contracts. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Knowledge of government procurement and contractual practices; ability to deal with Center management and technical personnel and off-Center contractors.

**Electronics Engineer, GS-855-8/11, PD No. 7435072, Code 334** — This position is located in the Fuze Project Branch IV of the Fuze Department. The branch function is the design and development of guided missile target detectors from project inception to the production phase. The incumbent is responsible for design and development of electronic components/circuits for TD systems; designs electronic test equipment; performs and analyzes TD tests; and assists senior engineers as directed. Minimum Qualification Requirements: As defined in the CSC Handbook X-118, Job Relevant Criteria: Experience in circuit and component design and development. Knowledge of basic fuzing principles. Knowledge of solid state devices such as integrated circuits and lasing devices.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371.  
**Clerk (Typing), GS-301-2 / 3, PD No. 7340044 AM1, Code 8412** — Hours of work for this position are 1300-2200. This position is located in the Visitors' Branch of the Security Department. Incumbent has entry control of temporary, casual, official, semi-official, commercial and foreign visitors to the Naval Weapons Center. Duties include processing of paperwork for passes, maintaining records of visitors, providing information and directions, assisting in performing vehicle registration duties and maintaining files. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Ability to understand and follow security procedures and regulations. Must have typing skills.

**Electronic Engineer, GS-855 or Mechanical Engineer, GS-830-11 / 12, PD No. 7440161, Code 4041** — This position is located in the Guidance and Navigation Branch of the Weapons Development Department. The incumbent is responsible for design, analysis and verification of software for military onboard weapon control computers. He will develop techniques for evaluation of mathematical models, analyze the guidance or control requirements, develop performance criteria, synthesize the guidance or control system to meet requirements and evaluate their performance using analytical, computer and/or experimental techniques. He will be required to relate those concepts and techniques to guidance and control systems being developed in the branch. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Must be able to code by FORTRAN language and be capable of assembly language programming for large and small scale digital computers. Must have at least one year experience in Modern Control Theory (optimal control, optimal estimation, stochastic processes). Must be able to relate theory to practical engineering problems. PLEASE NOTE: Position previously advertised 8-2-74. Those who applied then will be automatically considered and need not re-apply.

**Electronic Engineer, GS-855-11 / 12, PD No. 7440150, Code 4095** — This position is located in the Systems Integration and Evaluation Branch of the Weapons Development Department. The incumbent's primary duties will be in the integration of test hardware and systems with test aircraft fittings and systems. Job Relevant Criteria: Aircraft avionics system experience. Installation and check-out of new avionics equipment. Experience on digital computers, inertial navigation sets and doppler and forward looking radar. Must have a minimum of four (4) years experience in aircraft / system integration. A minimum of one (1) year must have been with the A7 or A6 aircraft. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

**Supervisory Physicist, GS-1218-14, Mathematician, GS-1528-14 or Engineer GS-800-14, PD No. 7440161, Code 407** — This position is Head, Weapons Systems Analysis Division, Weapons Development Department. The incumbent provides technical and administrative direction to division personnel, including establishing the direction and level of effort which will be conducted and establishing the level and type of analysis effort to be devoted to a particular weapon system. The incumbent is a member of the Weapons Development Department Technical Council and the Department Personnel Review Council and participates in department technical and personnel direction. The incumbent will also act as a consultant in the analysis of weapons systems both on-Center and off-Center. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Must have experience managing technical personnel. Must have experience conducting analytical research to determine feasibility or utilization of weapons systems. Promotion potential: GS-15.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

**General Engineer, GS-801 or Physicist, GS-1310-13 / 14, PD No. 7440011, Code 44** — This position is located in the office of the Technical Officer. The incumbent represents NWC in performing liaison with senior staff personnel of NAVMAT, OPNAV, the Systems Commands, and other agencies as required by the Technical Officer, Technical Director, or Commander. He provides NWC requirements and technical inputs to service and civilian agencies involved in acquisition and operation of air surveillance and command and control systems within the R-2508 Complex. He represents the Technical Officer on questions and issues relating to the utilization of NWC land / airspace by activities external to NWC. He participates in the work of Task 3 (Airspace) of the Joint Logistics Commanders' Tri-Service Long Range Study of Military Land / Airspace / Airspace Requirements in the Upper Mojave Desert. He maintains liaison with NWC Technical Department Airspace Liaison Officers for NAF, VX-5 and others involved in the use of the R-2508 Complex to determine total NWC airspace requirements. He provides technical assistance to development engineers, range personnel and test pilots in the scheduling of hazardous weapon flight tests. Minimum Qualification Requirements: As defined in CSC Handbook X-118, Job Relevant Criteria: Extensive experience with the development process and its interrelationship with the test and evaluation resources (airspace, ground ranges,

## Employee In The Spotlight

Normally, motorcycles and ecology don't mix, unless you're Gordon A. Greene, a physicist with the Explosive Branch in the Propulsion Development Department's Applied Research and Processing Division.

Gordon, who belongs to Retreads International, and the Southern California Motorcycle Association, is also a member of the Sierra Club and the Yosemite Natural History Association.

Gordon believes in restoring and preserving the natural environment of both the High Sierra Mountains and the desert areas. He uses his motorcycle to travel the back country roads and see the more out of the way places.

### Former Dirt Bike Rider

Back in the days when he worked for the Sandia Corp., in Albuquerque, N. M., Gordon was a dirt bike rider, but he has given that up. "Tears up the desert," he said, "just the very thing I'm working so hard to avoid."

He was born in Geneva, N. Y., but grew up in West Reading, Pa. Gordon was graduated from West Reading High School, and entered Bucknell University, Lewisburg, Pa. After studying for 18 months, he joined the United States Air Force and served for three

## USC Professors To Offer Counseling On Graduate Program

Two professors from the University of Southern California are scheduled to visit the Naval Weapons Center on Friday, Sept. 13, to counsel students who are enrolled, or are contemplating enrollment, in the USC Graduate Program in Engineering.

The two men who will be here are Nasser Nahi, whose field is electrical engineering, and C. Roger Freberg, a professor of mechanical engineering.

An appointment for a counseling session with either professor can be made by calling the NWC Education Office, Ext. 2641, no later than Thursday, Sept. 12.

## Astronomical Society To Meet Monday

The China Lake Astronomical Society will hold a meeting on Monday, beginning at 7:30 p.m., in the group's clubhouse at 401-A McIntire St.

Carroll Evans and George Stillwell will show slides from the recent convention of the Western Amateur Astronomers and the Association of Lunar and Planetary Observers.

In addition, a 14 min. color film, entitled "Flight Without Wings," will be shown. The film describes wingless, lifting body, aerospacecraft—much like the space shuttle. The public is invited to attend.

## Dance Set at CPO Club

Maxie Montoya and the El Batuka Band will play for a dance tonight at the Chief Petty Officers' Club, beginning at 9 o'clock.

George Barnard, manager of the club, invites all members and their guests to come to the club tonight and have a good time. "There will be plenty of food and entertainment with Maxie and his group," he promised.

facilities, and equipments) of NWC and the R-2508 Complex. Knowledge of range instrumentation, including telemetry devices, surveillance radar and display systems, computers and associated equipment. Knowledge of range flight test safety devices. Knowledge / experience in range-related technical management, planning, or operations.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 208 Ph. 2577.

### Employment Opportunities

Teachers Needed — LaVerne College needs part-time, credentialed teachers and tutors for a China Lake Prep Education Program to teach the following subjects: reading, English, applied psychology, mathematics, history, science and social science. For more information call or write to Lee Anzelmo (714) 496-6222; College Prep Office, P.O. Box 577, San Clemente, CA. 92672.



Gordon A. Greene

years as a draftsman.

After completing his military requirements, Gordon returned to Bucknell and was granted a bachelor's degree in electrical engineering. He then went to work for the Sandia Corp. and worked five years for them, until February 1962, when he came to China Lake.

Gordon worked until February 1964 with the Chemistry Division of the Research Department before transferring to his present position. At Code 45, he concerns himself mainly with high speed photography—streak cameras—and is considered by many to be an expert in that line of work.

### Frequent Lecturer

He lectures frequently about ultra high speed photography and represented the U.S. Navy during a data exchange on the subject at a meeting held in Rome, Italy, in October 1972. He is also frequently called upon to conduct training classes in optics, photography, electronics and explosives for personnel working in his branch.

Gordon has presented papers at the Warhead Research Symposium on three separate occasions and he has written four publications on his specialty. In addition, he has two patents that are pending. Since coming to work at China Lake, Gordon has received two QSIs, a couple of superior achievement awards, one superior accomplishment, and a letter of appreciation for work he performed on a department safety manual.

In line with his hobbies of ecology and motorcycling, Gordon also dabbles in photography and backpacking—both geared to coincide with his love of natural history and the environment.

He also is a ham radio aficionado and often helps Lloyd Brubaker with the amateur radio class the latter conducts at Murray School. "I've been on a few field trips with the group and I've lectured to them a couple of times," Gordon said.

### Family Shares Interests

Gordon's wife, Dorothy, and two sons, Dave, 17, and Jimmy, 15, share Gordon's love of the outdoors. He has been backpacking with his sons, and Dorothy often rides on the back of the motorcycle on trips with Gordon. "I just recently returned from a 1,000 mile, three-day trip in and out of the Sierras," Gordon said. "Dorothy didn't accompany me on this one, but she has been many places with me," the ex-dirt bike rider commented.

With the Sierra Club, Gordon has participated in many of the club's drives to solve some of the overcrowding and pollution problems in the Sierras. "We're against commercial development, as well," Gordon said.

Dorothy, who is a teacher's aide at Las Flores School, enjoys painting, working with kids, and caring for the family's pet lizards, dogs and birds.





**In The Catbird Seat**

By Jack Lindsey

A flamboyant, self-styled sports expert, balding, beginning to show signs of wear from the stress of his occupation, has challenged the Catbird to a war of football selections.

More of an expert on the styles used by the Mafia to eliminate the competition, this hackneyed Italian immigrant (he's from Iowa), actually thinks that OKLAHOMA, for God's sake, will be the number one team in the nation come New Year's Day, 1975.

Trojans First Choice  
Any fool knows that the vaunted USC Trojans will be sitting in that spot (provided he wishes to still continue to receive press releases from Southern Cal).

Granted, Oklahoma has a superior team, but they will get a little surprise this year when they go up against Nebraska, and mighty Missouri isn't going to be easy pickings either, with six returning backs, including two first-team All Americans.

The one thing about Oklahoma that could help them this year is the team's easy season. Who are they playing, anyway? What's more, because of recruiting violations, the Sooners won't be competing in post game activity, the one sure way they could have been elected to the No. 1 spot this year.

#### USC Schedule Tough

USC, however, has a tough schedule, even counting the Pac-8 teams on the agenda. As any Southern Californian knows, and as the basketball UCLA Bruins found out this past season, competition in the Pac-8 can be mighty tough.

So, Nick DeBonis (Sports Editor of the Daily Independent in Ridgecrest), before it's too late, maybe you'd like to reconsider? Your move.

### Entries Pour in For Sept. 14-15 Golden Anchor Golf Tourney

The entry list is rapidly being filled for the annual CPO Golden Anchor Golf Tournament, set for Saturday and Sunday, Sept. 14 and 15, on the local links.

According to Dick Clay, tournament chairman, only 52 two-man teams will tee it up in this event, which is looked upon as one of the outstanding tournaments of the year.

"We have quite a number of entries now, so I suggest that anyone who plans to play contact me immediately," Clay emphasized. His telephone number is 446-7043.

#### Entry Fee \$40

The entry fee is \$40 per team. Individual golfers are to make their own arrangements for carts and caddies. The fee will include 36 holes of golf, special events, free beer and soft drinks during the rounds, and a dinner-dance on Saturday night at the Chief Petty Officers' Club, sponsors of the yearly affair.

Scoring will be best ball of partners, both days, rather than the aggregate total on the final day as last year. Also, a shotgun start will not be employed this time, as was done in last year's running of this event.

On Friday, Sept. 13, a special get-together is planned at the banquet room of Mr. P's Playhouse, beginning at 7 p.m., for all golfers entered in the tournament.



**MIGHTY MITES**—Members of the Indian Wells Valley Youth Football League will conclude pre-season practice today as league competition begins tomorrow at 12:30 p.m. at Kelly Field on the Murray School campus. Teams will scrimmage against each other in intramural competition. In the photo above, the Cowboys are shown in practice. The team is sponsored by the Ridgecrest Lions Club.

## BHS Varsity Football Team To Be Aided by 19 Returning Lettermen

Bruce Bernhardt, head coach of the Burroughs High School varsity football team, has been working the team in conditioning drills for the past week.

He has 19 returning lettermen from last season, a good nucleus to build around for the coming football year in which Bernhardt hopes to win the Golden League title.

Leading the parade of veterans is Kevin Smith, quarterback, who was all-Golden League linebacker last season, and Steve Blanche, who won honorable mention as a tailback in 1973.

Also returning are Todd Sorbo, Kevin Gillette, Brant Tunget and John Kreidell, at tackle positions. Kreidell is, to quote the coach, a "corner," and he'll be watching him closely.

At guard are Rex Davidson, John Goodell and Mike Dau plus Neil Watson, a transfer from West High School in Bakersfield. Tight ends who played last year are Randy

### Fish, Game Officials Adopt Split Season For Hunting Doves

The California Fish and Game Commission has adopted a split 46-day statewide dove hunting season and a separate 30-day, straight band-tailed pigeon season for the northern and southern areas.

Dove limit will be 10 per day, 20 in possession after opening day, and a bandtail limit of eight per day, eight in possession has been set.

Dove season opened statewide last Sunday—the earliest date allowed by treaties and the migratory bird framework—and continue through Monday, Sept. 30. The season will reopen statewide on Saturday, Nov. 23 and run through Sunday, Dec. 8.

The band-tailed pigeon season begins on Saturday, Sept. 28, and will continue through Sunday, Oct. 27, in the counties of Butte, Del Norte, Glenn, Humboldt, Lassen, Mendocino, Modoc, Plumas, Shasta, Sierra, Siskiyou, Tehama and Trinity. The season is from Saturday, Dec. 14, through Sunday, Jan. 12, 1975, in the balance of the state.

Shooting hours for both doves and pigeons will be from one-half hour before sunset to sunset.

all points bulletin  
**SCHOOL'S OPEN!**  
**DRIVE WITH CARE!**

## Final Criteria Set For Honoring Top Athletes on Center

Final criteria have now been established for the selection of the NWC athlete of the month, athlete of the year and Hall of Fame inductees, by a special committee that was organized for this purpose.

The committee, led by Wilt Wyman, supervisor of athletics and youth programs at NWC, discussed the criteria at the group's first meeting on Aug. 1. It has been decided that athletes of the month, both male and female, will be selected from persons participating in adult athletic programs at the Naval Weapons Center. The person selected does not have to be an employee of NWC.

In addition, juniors (those under the age of 21) can be selected, provided they meet the first requirement—participation in an adult program. An example of this would be adult intramural leagues or special tournaments.

In the case of Hall of Fame inductees, who are announced each year at the Banquet of Champions, the criteria are based on a lifelong, as it pertains to NWC, involvement in a specialty program, or group of programs.

As an example, members of the China Lake Mountain Rescue Group, IWV Search and Rescue Team, skiers, automobile racers, or any other form of sport or athletics, will be considered.

The most critical requirement in the selection of a person for the Hall of Fame will be involvement, laced with lots of contribution.

Members of the committee, which meets on the first Thursday of each month at the Community Center, are asking for nominations for any of these awards. Residents of China Lake or Ridgecrest, who know of someone deserving of being nominated as athlete of the month, or for the NWC Hall of Fame, are asked to contact either Wilt Wyman, NWC ext. 2334 or 2571, or Jack Lindsey, NWC ext. 3354.

*Rosh*

SEPT. 17

*Hashanah*



**THE CHAMPS!**—The Smoothies are the champions of the China Lake Intramural Golf League following a 4-2 victory over the Bandits last Tuesday night. Pictured above with the first place trophies are (front row, l.-r.), Mike O'Brien, Gary Moreno and Don Fraser. In the back row are (from left) Paul Someson, Tim Forster and Jess Moreno. Third place was taken by the Short Knockers, who defeated the VX-5 Vampires in a playoff match. —Photo by Ron Allen

## Mobile Unit of Houchin Blood Bank To Be at Elks' Club Tues.

Another visit by the mobile unit of the Houchin Community Blood Bank in Bakersfield has been scheduled on Tuesday from 2 to 6 p.m. at the Ridgecrest Elks' Club, 201 E. Church St., Ridgecrest.

Mae Read, chairman of the Advance Blood Fund for the Ridgecrest area, asks that all residents who are able to give blood do so, during this quarterly visit of the mobile unit.

"No substitute for human blood has ever been discovered," declared Mrs. Read, "so when blood is needed for transfusions, it must come from people. Recent advances in surgery and medical science," she added, "have increased the amount of blood being used to save lives. However, in many areas, the number of donors has not increased sufficiently to meet the need."

This advance fund is maintained for the use of anyone in the area needing blood for accident, emergency or illness.

There is a shortage of blood throughout the United States, but if every healthy adult between the ages of 18 and 65 donates, there will be an ample supply to meet the requirements of the community.

Giving blood is not painful and takes only a few minutes. Each donor will receive in the mail a folder for wallet or purse, listing his or her name, address and blood type.

Requirements for blood donors are as follows: You must be between 18 and 65 and in good health; you must not have a cold; you must not have had major surgery in 6

### AFGE Meeting Set Mon.

The American Federation of Government Employees, Local 1781, will hold its next regular monthly meeting on Monday in the Joshua Rm. of the Community Center, beginning at 7:30 p.m.

Local 1781 is the representative of a unit composed of those non-supervisory civilian employees of the NWC Security Department's Police Division, who are employed at the Center.

## Retirement Ends 22-Yr. Career Of Cdr. Wright, VX-5 Exec. Officer

Cdr. Richard L. Wright, Executive Officer of the Air Test and Evaluation Squadron Five (VX-5), ended 22 years of active duty with the U.S. Navy last Friday morning in ceremonies at Hangar One.

Following a short talk by Capt. E. M. Crow, Commanding Officer of VX-5, during which he spoke of Cdr. Wright as "... one of my best friends, and a good right arm ..." the retiring Executive Officer stepped to the microphone and noted that he "... hated to leave as VX-5 was the best assignment ..." that he had held while in the Navy.

Following his address, Cdr. Wright was "piped over the side" in traditional fashion by LCDrs. J. K. Feiguss, M. W. Riley, W. W. Monk, R. W. Hamon, L. J. Chrans and J. J. Shutt, acting as "sideboys."

Prior to the conclusion of the retirement ceremony, Cdr. Wright inspected VX-5 personnel and received a bell plaque from the Chief Petty Officers of the squadron. In addition, Cdr. Wright received a letter of appreciation from the Commander, Operational Test and Evaluation Squadron Four, for the work he has done while at VX-5.

Rear Admiral R. G. Freeman III, NWC Commander, was present for the occasion. On Thursday, Aug. 29, a retirement party was held in Cdr. Wright's honor at the golf clubhouse, attended by more than 80 persons. Many gag gifts were presented to the outgoing XO, along with three going away presents from the officers of the squadron. They were a VX-5 plaque, a plaque to hold the retiring officer's sword and scabbard, and a bar refrigerator.

### Volunteers for Help Line Training Sought

A nine-week training course for volunteers interested in working with Help Line will begin next Wednesday, Sept. 11, at 7 p.m., at Cerro Coso Community College. Classes will meet each Wednesday evening to learn techniques of listening and crisis intervention. Interested persons should register now at the college.

Additional information can be obtained by phoning Help Line, 446-5531, between 6 p.m. and midnight.



**NAVY CAREER CONCLUDED**—Last Friday marked the end of 22½ years of active Naval service for Chief Warrant Officer P. "Mike" Moore, Jr., who is shown listening as RAdm. R. G. Freeman III (at left), NWC Commander, reads a letter of commendation recognizing CWO Moore's noteworthy performance of duty during the final 2½ years of his career in the Navy. Looking on is CWO Moore's wife, Jeannette, who received a letter of appreciation from RAdm. Freeman prior to the presentation of the certificate of retirement to her husband. —Photo by Ron Allen

## Triple Retirement Ceremony...

(Continued from Page 1)

proaches to programmed maintenance that resulted in a 15 per cent reduction in staffing requirement in his department.

In addition, Capt. Sturman was commended for his efforts in conservation and environmental protection that were recognized by presentation of the SecNav Environmental Protection Award to the Naval Weapons Center in 1974.

"By his outstanding leadership, management ability, commitment, and inspiring devotion to duty throughout, Capt. Sturman upheld the highest traditions of the United States Naval Service," the citation signed by the Chief of Naval Operations concluded.

#### Farewell Remarks

After receiving his certificate of retirement and an American flag from RAdm. Freeman, Capt. Sturman stepped to the microphone to present a few farewell remarks which he addressed to his comrades in arms, the civilian staff of NWC, his friends, and to his family.

For the men in uniform, he issued a charge as he reminded them that they are "the cutting edge of the tool forged to insure freedom of the seas. Maintain your effectiveness, sharpen your skills and, while serving your country, recognize the great adventure of Navy life. Enjoy the variety of assignments—maintain your enthusiasm."

### Visit Scheduled By Vet Administration's 'Office on Wheels'

The Veterans Administration regional office in Los Angeles is sending its "Office on Wheels" to the local area on Monday, Tuesday and Wednesday, Sept. 9, 10 and 11. Purpose of the visit will be to answer vets' questions about benefits due them for serving in the Armed Forces.

The aim of the program is to reach those veterans who have not made full use of their veterans' benefits and provide information on programs available to them.

Accompanying the 26-ft. roving van, presently on a three month swing across 25 cities in Southern California, will be three VA specialists. Some of the benefits they are trained to discuss are G.I. Bill educational allowances, home loans, medical care, compensation and job training.

Hours of operation for the van will be from 1 to 5 p.m. on Monday, Sept. 9; 8 a.m. to 5 p.m. on Tuesday, Sept. 10, and from 8 a.m. to 2 p.m. on Wednesday, Sept. 11.

The van will be located in the parking lot of Safeway market, in the Ridgecrest Plaza shopping area, corner of Ridgecrest and China Lake Blvds.

he counseled.

The challenge that he presented to the civilian scientists, managers and craftsmen of NWC was not to waste resources on unnecessary comforts and status symbols. "Review your requirements, strike a balance between response, quality and cost. Do not get complacent. Do not fail the Fleet," Capt. Sturman emphasized.

#### Friends Made It Worthwhile

"For my friends—a cheer," Capt. Sturman continued. "While we were accomplishing the assigned tasks in support of our Navy, you have made it all worthwhile. You have made us welcome here in the Indian Wells Valley, and at other bases at other times. You have eased the burdens of dislocation and family separation."

For his family, Capt. Sturman said, his retirement will mean a change. "Hopefully," he noted, "it will bring an end to the years of frequent moves and long separations, and a chance for my wife to enjoy a more stable way of life that she so richly deserves."

"I have deeply enjoyed my Naval career. I hope I have been able to make a few minor contributions to partially repay for the privilege of serving. It has been great adventure," Capt. Sturman concluded.

The benediction by Chaplain Osman preceded the traditional "piping over the side" of CWO Moore, Lt. Col. Pipa and Capt. Sturman who exchanged their final salutes with double ranks of "sideboys" lined up to honor them as they concluded their military service.



**GIFT FROM THE CHIEFS**—AMEC J. R. Pickens, Leading Chief of VX-5, presented Cdr. R. L. Wright, outgoing Executive Officer of the Squadron, with a bell plaque during the retirement ceremonies for Cdr. Wright last Friday in Hangar One. The gift was from all of the VX-5 chiefs. —Photo by SA Pam Bittick



## Lt. Col. Jack Pipa Retires To Christmas Tree Farm

"It's no longer fun. From now on, everything else will be anti-climactic, now that I'm leaving China Lake."

With those words, Lt. Col. John L. "Jack" Pipa called an end to 21 years of service to the United States Marine Corps. "Now that I'm a lieutenant colonel, my duties are mostly administrative, and that's not for me. So, I'm going to become the Christmas tree fairy," he said, a big smile lighting his face.

The well-known and popular Marine officer and helicopter pilot, who has been the USMC Liaison Officer at China Lake for the past four months, regrets leaving the Indian Wells Valley. He came here more than four years ago.

"My family and I have loved it here. China Lake is the best kept secret in the Marine Corps," Lt. Col. Pipa pointed out. "When I got orders to China Lake I went to my Commanding Officer in Vietnam and asked him where it was."

### Favored Location

"Who do you know, Jack?" he asked me. More questioning on my part brought out that I would never want to leave once I got here, and he was right. I don't, but Oregon beckons, and my 56-acre ranch looks mighty good right now," the personable Marine Corps officer noted.

China Lake will miss the celebrated helicopter pilot. During his time here, Lt. Col. Pipa has participated in more than two dozen rescue missions and uncounted searches, in cooperation with the China Lake Mountain Rescue Group, as a chopper pilot. He and other helo pilots volunteered their time, arranged their own schedules, and took part in numerous rescue training missions, to help snatch people from certain death, air evacuate injured hikers and climbers, and search for lost souls.

### Advantages of Military

"My military experience definitely prepared me for the missions I flew with the CLMRG," Lt. Col. Pipa pointed out. "That's the one thing the civilian community often misses . . . the real advantage to having a military community nearby. The military has so much to offer. Its expertise, equipment, preparedness. . . so many things that are valuable in so many different ways," the Marine officer noted.

During his two tours of duty in Vietnam, Lt. Col. Pipa flew 1,332 combat missions, 99

per cent of them in helicopters. He has been awarded 66 strike flight Air Medals, four single mission Air Medals, the Bronze Star, two Distinguished Flying Crosses, and the Purple Heart. He speaks of his time in Southeast Asia as " . . . the finest time of my career. I enjoy being with the troops, mingling with them, eating with them, fighting with them. Perhaps I'm one of them at heart," he commented.

### Began as Enlisted Man

The retiring Marine Corps officer began his career as an enlisted man. That was in 1953. He was commissioned in December 1955 after completing the Naval Air Cadet training, and being awarded his wings. That was at Pensacola Naval Air Station, Fla.

He took his helicopter training in January 1958 and spent a succession of years as a pilot in various air wings. His first tour of duty in Vietnam occurred in December 1966, when he was attached to VMO 3.

After a stateside tour as the Helicopter Analyst at the Naval Safety Center, Norfolk, Va., Lt. Col. Pipa went back to Vietnam. He was stationed at Marble Mt. "I flew Cobras and OV-10s for a while, but they soon put me in H-46s, and that's when I learned where the real war was," he smiled. He came to China Lake in May 1970, and was attached to the USMC Liaison Office as the Helicopter Project Officer.

### Flew Many Rescue Missions

He immediately began flying rescue missions for the CLMRG, and kept at it for his entire tour here. "Most of them were routine, but I remember one mission in particular, mainly because it was very hairy," he recalled.

In 1972, a man fell from a ledge on Brown Mt., and broke his back. The China Lake Mountain Rescue Group was called, and Lt. Col. Pipa volunteered to fly the chopper. "It wouldn't have been as difficult as it was, but the man needed oxygen and we didn't have any. Even though it was dark, I elected to fly out and get a tank. However, my lights blew and I had a heckuva time getting out of there. All I could think of on the way back was landing without lights. My crewman guided me in with a flashlight, and somehow I made it. Vietnam was never like that," he said, flashing the big grin again.

A few years ago, Lt. Col. Pipa bought a 56-



**FINAL HELICOPTER FLIGHT** — Lt. Col. Jack Pipa, USMC (at left), whose name has been synonymous with helicopter flights—both those in connection with NWC projects and mountain rescue efforts since he came to the Naval Weapons Center four years ago—recently made his last official hop as a Marine. On this occasion, others on board the chopper were Cdr. Bruce McCandless II (at right), one of two U.S. astronauts to visit China Lake; Navy Capt. Alan L. Bean, the other astronaut, and Fred Ashbrook. The latter accompanied the astronauts on a visit to Echo Range and then to the Electronic Systems Department's facilities on G range. Lt. Col. Pipa, the Marine Corps Liaison Officer at NWC for the past four months, was honored Aug. 30 during retirement ceremonies that marked the conclusion of 21 years of active duty in the Marine Corps.

acre ranch in Oregon, where he and his wife, Mary Faye, and daughter, Sherry Lynn, plan to raise Christmas trees. "In fact, the previous owner had already started a Christmas tree ranch, so we've got a good jump on things," he said. "Forty of those acres are in virgin timber, and we're only eight miles from Grant's Pass, so I'm looking forward to a life of leisure," he added, jokingly.

Although he is leaving the local area, Lt.

Col. Pipa plans on returning to help complete a project with the 106mm recoilless rifle that he has been flying. "I will stay with NWC as a consultant and work here from time to time," he noted.

"A part of me will always be here in this valley with the good folks who live here," he said.

And, as one member of the CLMRG put it, "A good part of us will be going to Oregon with him, as well."

## Lt. Col. E. C. Paige, Jr., Reports for Duty As Marine Corps Liaison Officer at NWC

Lt. Col. Edwin C. Paige, Jr. reported to China Lake this past week to take the helm as the NWC Marine Corps Liaison Officer, replacing Col. E. D. Smith, who left the Center nearly five months ago.

During the interim, Lt. Col. Jack Pipa was acting in that post. Lt. Col. Pipa retired from the Marine Corps last Friday.

Lt. Col. Paige, who is a native of Seattle, Wash., came to China Lake from the Air

The new Marine Corps Liaison Officer went on active duty in February 1955 after serving a tour with the reservists. He received his wings at Pensacola Naval Air Station and was a fighter pilot of F-4 Skyhawk aircraft in Vietnam on two separate combat tours.

### Distinguished Combat Record

Lt. Col. Paige has 325 combat missions in F-4s and has received 25 Air Medals, the Distinguished Flying Cross, with gold star, the Legion of Merit, and the Purple Heart decorations.

Lt. Col. Paige and his wife, Marlene, have three children. They are Ann, 21, a student at the Bible College, Puget Sound, Wash.; Scott, 19, who is a sophomore at the University of Washington, Seattle, and Jeffrey, 15, who is a sophomore at Burroughs High School.

The Paige family enjoys snow skiing, sailing, all sports, and music. Mrs. Paige plays the piano and has sung professionally. In addition, she has appeared on stage in many little theater productions; produced and directed amateur plays, and has worked as a dancer.

### Cal State, Bakersfield Advisor To Visit Center

Dr. James Vigen, of Cal State, Bakersfield, will be at China Lake next Friday, Sept. 13, to assist anyone with last-minute counseling prior to enrollment in the college's local program.

Interested persons are asked to contact the NWC Training Center by calling Ext. 2359 for an appointment.



Lt. Col. E. C. Paige, Jr.

Weapons Center in 1966 as the coordinator of ROCKEYE, CBU and APAM for the Naval Air Systems Command Headquarters, in Washington. He continued this association in weapons effectiveness and studies, including airborne and ground laser systems, while with the Air Weapons Branch.

## Department Head Appointments Get Final Approval

(Continued from Page 1)

Division, also earned Dr. Rogers the Navy's Superior Civilian Service Award—the Navy's second highest civilian award.

Prior to moving up to her present position as head of the Weapons Development Department, Dr. Rogers served since September 1966 as head of the Weapons Systems Analysis Division in Code 40. Along with her responsibilities as a division head, she also served as co-chairman of the Tri-Service Weapons Evaluation Study Group, the Joint Munitions Effectiveness Manual (Air to-Surface)—all under the auspices of the Joint Technical Coordinating Group / Munitions Effectiveness, which was established by the Secretary of Defense and reports directly to the heads of the Material Commands of the three branches of the U.S. military services.

### Other Current Duties

Dr. Rogers is currently the U.S. Navy member of the Technical Cooperation Program on Weapons Systems Effectiveness—a group that is composed of representatives of the United Kingdom, Canada, Australia and the U.S.—and has served on several national ad hoc committees that were set up by DDR&E for the evaluation of specific ordnance and related systems.

Dr. Rogers attended Rice University, where she received her bachelor's degree in 1937, her master's degree in 1938 and a Ph.D. in 1940—all with majors in physics. She is the mother of five children and has been active in church, school and other community affairs. At her ranch home in Ridgecrest, she takes special pleasure in raising Peruvian Pasos.

Both Hays and Russell began their lengthy careers at China Lake as participants in the junior professional program and have now achieved the pinnacle of department head status.

### Transferred from Point Mugu

Hays, who spent part of the summer as a junior engineer at the Naval Test Center, Point Mugu, transferred in August 1956 to the Naval Ordnance Test Station where he began to gain the solid background that has since won him commendation for his "superb technical knowledge and broad production experience."

After a year as a junior professional, Hays became an electronic design engineer in the Engineering Department and has remained with this same department—moving steadily up the ladder to more and more responsible positions.

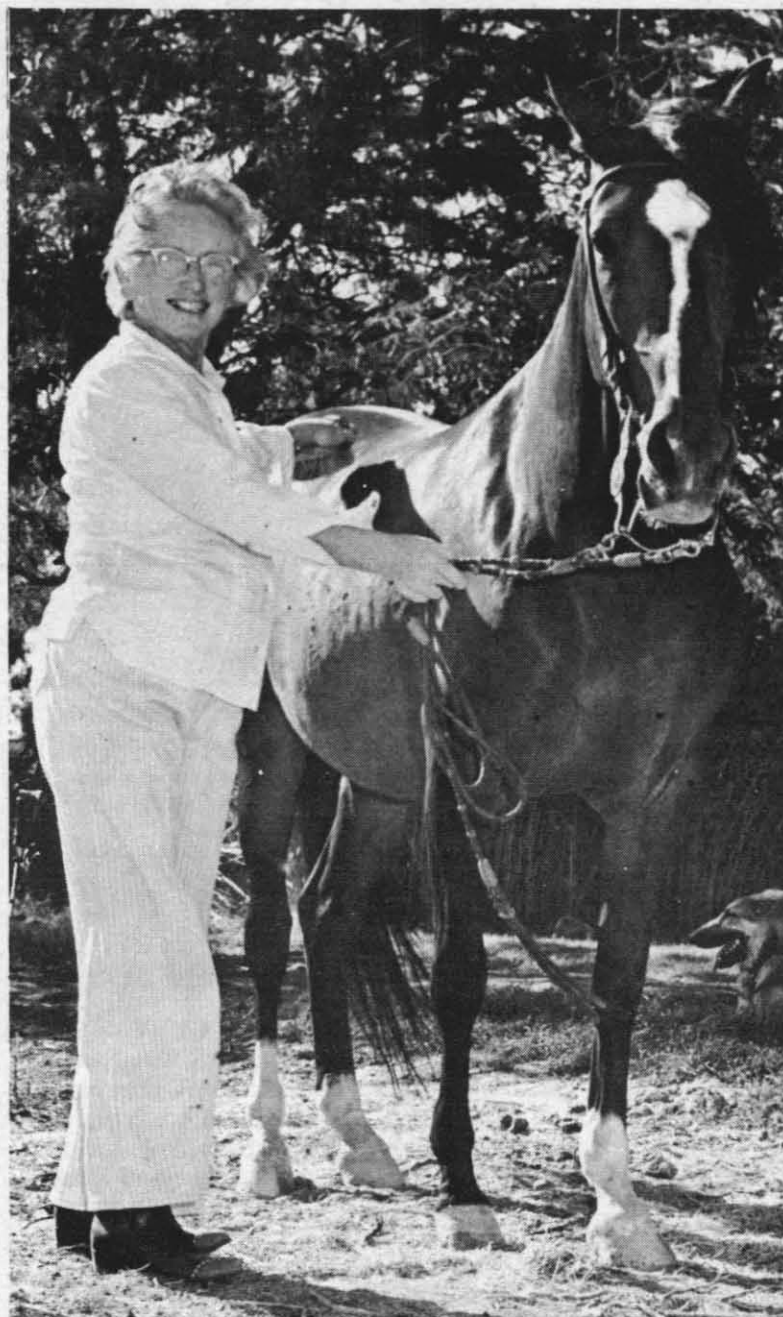
Beginning with assistance in the design of circuit systems, he became a branch head in January 1962. Projects he supervised involved components for such famous NWC products as Sidewinder, Moray and Shrike.

Eighteen months later (in July 1963), Hays became the Sidewinder Guidance and Control Project Engineer. In this position, he was responsible for the production engineering effort on Sidewinder 1A and the Sidewinder AIM-9D Guidance and Control Groups—a task that called for ever-increasing engineering knowledge in electronics, mechanical engineering, optics, propellants and gyros.

### Awarded Fellowship

Some shift in emphasis to the intricacies of budgetary as well as technical matters occupied Hays' attention in his next assignment as the Shrike Program Manager beginning in August 1965, and this in turn led Hays to an increasing interest in management. As a result, he applied for and was awarded a Sloan Fellowship at the Massachusetts Institute of Technology, where a year of study in the Executive Development Program earned him a master of science degree in management.

Since returning from MIT in July 1967, Hays has held successively the positions of assistant head of the Engineering Department's Weapons Systems Management Division, chief engineer for Code 55, head of the Product Design Division, and associate head of the Engineering Department in charge of Engineering Services.



**IT'S OFFICIAL NOW** — Some two months after distribution of a Naval Weapons Center memorandum stating that Dr. Marguerite M. Rogers, D. Jack Russell and Burrell W. Hays had been recommended for promotion to department head positions, confirmation by the Secretary of the Navy and the Civil Service

While serving as the Engineering Department's chief engineer, Hays received a letter of commendation from Rear Admiral R. L. Townsend, Commander, Naval Air Systems Command, which lauded his "initiative, dedication, and capacity for broad-gauged thought" in bringing to a specific task "a fine understanding of contracting and procurement procedures, as well as a wealth of knowledge concerning weapons system management techniques and engineering requirements."

### Prelude to Present Post

Hays' duties as associate head of Code 55 in charge of Engineering Services, which he assumed in March 1973, were a prelude to his appointment to the department head post he now holds.

In this former post, production engineering, contract support and Fleet services for six major weapons systems (Sidewinder, Shrike, Sparrow, Fuel Air Explosive, the Antipersonnel / Antimaterial Cluster Weapon, and Harpoon) came under his purview, as well as the main China Lake machine shop operations and numerous special services of the Engineering Department.

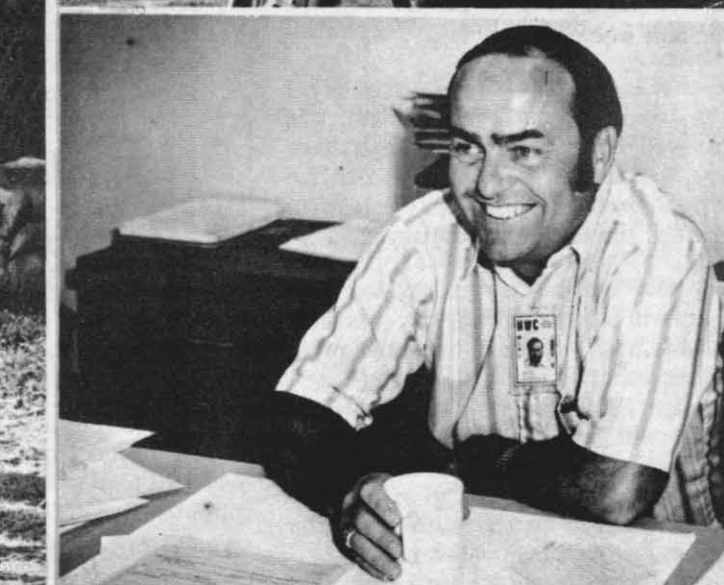
This past April, Hays was singled out to receive the L. T. E. Thompson Award, the Center's highest honor. He was cited for "his outstanding contribution to the field of weapons design and development and especially his skills in the process of transition from development to production."

### Native of Colorado

A native of Kit Carson, Colo., Hays was graduated from Boise Junior College in June 1954 and two years later received his BSEE from the University of Idaho at Moscow.

Hays and his wife, Lesta, have four children—Janet, 17; Beth, 16; Sandra, 11; and Eric, 8.

D. Jack Russell, head of the Electronic Systems Department, has had broad experience in electronic system design and in



Commission has now been received. Captured by the camera in informal poses are Dr. Rogers, who raises Peruvian Pasos as a hobby; Russell, who is an avid motorcyclist, and Hays. Their new responsibilities are those of head of the Weapons Development, Electronic Systems, and Engineering Departments, respectively.

management of major electronic warfare programs.

Russell has served in supervisory positions for more than 13 of the past 18 years that he has been an employee at China Lake. During this lengthy period of time, 12 subsystems emanating from groups under Russell's cognizance have been delivered to the Fleet.

### Univ. of Idaho Graduate

The new head of Code 35 hails from Coeur d'Alene, Idaho, and was graduated from North Idaho Junior College in his home town in 1954. Two years later he earned a bachelor's degree in physics and mathematics from the University of Idaho at Moscow and, upon graduation, came to work at China Lake as a junior professional.

After a year as a JP, Russell was assigned to the Weapons Development Department as an electronics engineer.

Demonstrating his technical competence from the start of his career at NWC, Russell was one of several engineers who fabricated and fired the early ARM (anti-radiation missile). It was the successful demonstration of this missile that led to the Shrike program.

### Responsibilities Increased

Increasing responsibilities assigned to Russell include those of project engineer for the Shrike missile in May 1961, and 3½ years later he became head of the Anti-Radiation Guidance Division in the Weapons Development Department.

It was while serving as the Shrike missile program project engineer that Russell received a Superior Achievement Award (the first of many such recognitions) that was presented for his supervision of the "crash" development of a missile guidance section during the Cuban crisis.

Significantly, Russell was cited for applying concepts in an area where little or no previous work had been done. His numerous subsequent patents attest to many such original solutions to problems.

Later, in May 1967 while Russell was head of the Code 40 Anti-Radiation Guidance Division, he was a recipient of the Michelson Laboratories Award as a Fellow in Ordnance Science for his "vital contributions to the advancement of the state of the art in the design of anti-radiation missile guidance systems."

The early 1970s brought a period of departmental reorganization during which Russell became, in rapid succession, head of the RF Development Division, head of the Radar Division and head of the Electronic Warfare Division—all in the Electronic Systems Department which he now heads.

He was cited repeatedly during this period for his flexibility, adaptability, and "ability to get the job done under difficult conditions."

### Involved in Committee Work

Russell also has served as head of an NWC committee to study the Center's role in electronic warfare and has been a member of a committee established by the Naval Air Systems Command to define the guidance systems for the Harpoon missile. In addition, he has been chairman of the Center's RF Working Group and was designated recently as head of the Center's Foreign Material Exploitation Coordination Group.

In recommending Russell's permanent tenure in the department head position that he now holds, Leroy Riggs, former acting Technical Director of NWC, noted: "He excels in advance technology development and has been instrumental in pioneering efforts in high resolution radar and the simulation of enemy cruise missile guidance systems."

A lover of outdoor activities, Russell enjoys camping and competes actively in cross-country motorcycling—being a Class A enduro rider in Southern California competition.

He and his wife, Eileen, have three children—Kelly, 7; Donna, 6; and Michael, an infant less than a year old.

## Copies of Vol. 1 of Center's History Available at Museum

First editions of Vol. 1 of the History of the Naval Weapons Center, subtitled "Sailors, Scientists and Rockets" by A. B. Christman, head of the Technical Information Department's Publications Division, are still available.

While the 303-page hardbound book recently went into its second printing (and the price was raised from \$4.75 to \$5.75 by the Government Printing Office), copies of the first edition can still be obtained at the original lower price at the Maturango Museum.

### Continues To be Best Seller

The history, published in 1971 by the Government Printing Office, has continued to be a best seller among naval histories. Much of the continued interest is on the basis of favorable reviews by scholarly historical journals such as those quoted below:

**Technology and Culture** — "It is a very good reference work that documents the achievements of a facility that played a key role in the U.S. Navy's growing awareness of the potential of the rocket in modern warfare."

**ISIS (History of Science Journal)** — "... as Christman rightly demonstrates in this unvarnished account of the early months at Inyokern, the architects of NOTS looked well beyond their immediate wartime

development, production, and training responsibilities to the Navy's long term requirement for a professionally staffed ordnance development center that might escape in years ahead the creeping stagnation that had befallen its predecessor institutions."

**Journal of American History** — "The interviewees were surprisingly candid with him (author) and he did not hesitate to report clashes, controversies and other difficulties. . . . The story is far more than a simple chronology of the Naval Weapons Center. . . . If this first volume is a reliable indicator, all books in this series will be required reading for everyone with an interest in the history of science and technology, contemporary military history, government-science relationships and related subjects."

### 2nd Volume Being Prepared

Work is underway on the second volume of the history by J. D. Gerrard-Gough in collaboration with Christman; however, it is expected that it will be a year before it will be published. In the meantime those who hope to have the full series should be aware that first editions of the first volume are still available at the Maturango Museum, which is open 2 to 5 p.m. on Saturdays and Sundays. Autographed copies are available on request.