

Johnny Whitaker

## Maturango Museum luncheons to be resumed in Feb.

Maturango Museum luncheons, which proved both popular and profitable during 1973-74 and 1974-75, will be resumed on the first Monday in February at the Community Center.

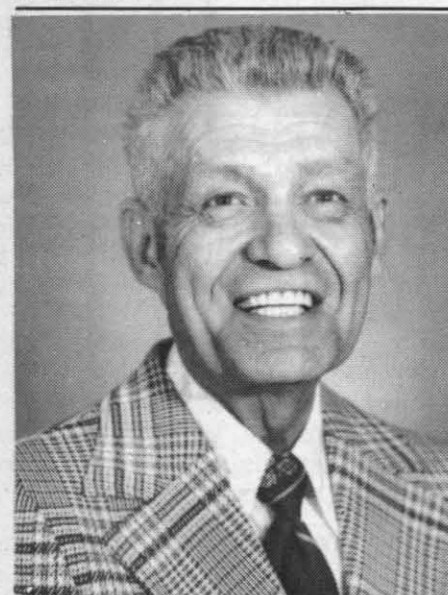
Purpose of the luncheons, which will be prepared under the direction of Mrs. Sue Byrd and served by volunteers, will be to raise money for the museum's building fund.

The luncheons will be served on the first Monday of each month from February through June, except for the month of April when (because of Easter vacation) the luncheon will be held on the 18th. Serving times will be 11:30 a.m. and 12:30 p.m. on each date.

Season tickets, priced at \$18 each for all five luncheons, are available now and can be ordered by calling Mrs. Byrd at 446-4274, Lorraine McClung at 375-7987, or Carroll Evans (after working hour) at 375-5681.

Season ticket holders will benefit by a savings compared to the individual luncheon price of \$3.75 per person, and also will avoid the necessity of having to make reservations for each luncheon they wish to attend.

The first such affair in February will feature Chile rellenos, and there will be a different main entree for each of the other luncheons.



**NEW ARRIVAL** — Chester Brown, a veteran of 23 years of club management experience, reported aboard the Naval Weapons Center recently as the new manager of the Commissioned Officers' Mess. While on active duty in the Army from 1941-45, he had such assignments as director of clubs and messes for the Seoul Area Command, Korea, and officer-in-charge of the Presidio-San Francisco Officers' Club. Upon his retirement from the service as a lieutenant colonel, he resumed his club management career in a civilian capacity, and most recently occupied the position of mess manager of the Officers' Club and the two BOQs at the Navy Amphibious Base, Coronado, where these installations won the Secretary of the Navy's Best Mess Award, 1974-75. Raised in Hanford, Ca., Brown, who is single, lives in Navy housing and enjoys bowling and photography in his spare time.

## Johnny Whitaker to return to China Lake with new show tomorrow night

A new show produced by Ambassador Productions for Johnny Whitaker will be presented on Saturday night, starting at 7, at the Naval Weapons Center Theater. Whitaker and company previously appeared here last August.

A young performer who is best known for his dramatic role as Jody in the television series "Family Affair" and for his leading role in the movie musical "Tom Sawyer," Whitaker will be returning for an evening of family entertainment through arrangements made by the Ridgecrest Church of Jesus Christ of Latter Day Saints.

In this new show, the main theme throughout the evening will be "variety." Young Whitaker is scheduled to sing such

"pop" songs as "I Got Love," "Love Will Keep Us Together," "Walking in the Sunshine," and will use sign language in helping to express the meaning of the song "Sunshine on My Shoulder."

In addition, for older members of the audience he'll present his rendition of "You Are My Lucky Star," a number in which he both tap dances and sings, and for all of the young girls in the audience he'll sing "Thank Heavens for Little Girls." He'll also emulate Elton John in a special rock 'n roll medley.

Whitaker will be accompanied to China Lake by his sisters, Mary, 14, and Dora, 10, and a brother, Billy, 12, all of whom will join him and a supporting cast of girl singers and dancers in a variety show of songs, dances and skits.

Tickets are priced at \$2.50 for adults or \$1.50 for enlisted military personnel and students. There also is a special rate of \$7 for all members of a single family.

The tickets can be obtained in advance at the Gift Mart or at the Bird Olds-Cadillac auto agency in Ridgecrest, and will also be sold at the theater box office prior to tomorrow night's show.

## Dramatic portrait of Mark Twain to be presented at college

Mark Twain, America's greatest storyteller, will come to life at the Cerro Coso Community College lecture hall on Saturday, Jan. 15, at 7:30 p.m.

A brilliant portrait of Twain was created by famed actor Hal Holbrook a number of years ago. John Chappel, who will appear in the one-man performance of "Mark Twain on Stage" at the local college, is the only actor ever granted permission by Holbrook to use his original script.

Every effort is made by Chappel to assure the most realistic portrait of Twain, creator of the immortal Tom Sawyer and Huck Finn. The white suit worn by the actor during his impersonation is a carefully tailored replica of one the humorist wore in his lifetime. Actual photographs, including rare Edison film of Twain, provided detailed examples of his way of standing, sitting and moving.

Tickets for this special community services event are on sale at the college business office, the Gift Mart in Ridgecrest and the Station Pharmacy at China Lake. General admission is \$2, and student body card holders will be admitted for \$1.



John Chappel as Mark Twain

## Tryouts announced for CLOTA's first production in 1977

Joyce Maltby, director of the first Community Light Opera and Theatre Association production for the 1977 season, has announced that she will hold tryouts on Jan. 17, 18, and 19, beginning at 7 p.m., in the CLOTA rehearsal hangar on Upjohn Rd., just off S. China Lake Blvd. in Ridgecrest.

Mrs. Maltby has copies of the script for the play she will be casting, "Dark of the Moon," and will lend the script to any potential actors or actresses who want to gain familiarity with the play beforehand. She may be contacted by calling 375-7613.

A romantic, brooding tragedy, "Dark of the Moon" was unanimously recommended by CLOTA's playreading committee for the theatrical organization's first production of the coming season. It portrays the legend of the Ballad of Barbara Allen, with atmospheric lighting and simple folksongs heightening the mood of mysticism with which the plot is interwoven.

Mrs. Maltby states that she needs 24 performers for roles in "Dark of the Moon," and that she can use singers and non-singers, experienced actors and newcomers, character players and romantic leads.

"This play is written with a dialect to reflect the region in which it is set," she said, adding that the dialect should not be difficult to master. She also needs musicians to accompany the folksongs in the production and is looking for an accordionist, a country fiddler, a guitarist, or other instrumentalist.

"If we can't get the instruments we're looking for, we may substitute another type of instrument, so please call me if you play any type of instrument and are interested in being in this production," the director urged.

The production is scheduled for presentation on March 25 and 26 and April 1 and 2 in the Burroughs High School lecture center. Mrs. Maltby will be aided by Jean Lehmann, as assistant director, and Pete Leet, technical director.

## Stargazers to see film Monday on sun orbiter

A color film concerning the development and launch of a spacecraft that orbits closer to the sun than does any other man-made object will be shown at the next meeting of the China Lake Astronomical Society on Monday night at the society's clubhouse, 401-A McIntire St.

The meeting, which is open to the public, will begin at 7:30. Besides the showing of the film detailing the U.S.-German partnership that produced HELIOS, CLAS member Bryan Smith will present a review of the book "Apollo Expeditions to the Moon."

## Enlisted Club dance set

Kid Dynamite, a rock band from Los Angeles, is scheduled to perform at tonight's Enlisted Club dance from 9 until 2 a.m.

Dinner special for the evening will be shrimp, served from 6 until 8:30.

## 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.

Program subject to change without notice — please check marquee.

FRI. 7 JANUARY

"BREAKING POINT" (92 Min.)

Bo Svenson, Robert Culp

(Action Drama) This is the story of a mob that uses rough-house tactics on a small businessman. An ordinary citizen becomes the victim of the mob when he goes to the aid of the businessman. It starts a chain reaction of abuses of his family and friends since he is the key witness against the mob.

SAT. 8 JANUARY

THE JOHNNY WHITAKER SHOW

7 p.m.

MON. 10 JANUARY

"BINGO LONG TRAVELING ALL STARS

AND THE MOTOR KINGS" (111 Min.)

Billy Dee Williams, James Earl Jones

(Comedy Drama) Set in the south of the 1930s this is a story of the baseball greats of the negro baseball leagues who, despite their great talent, could find no place in big league pro ball. This is the story, told with great humor and pathos, of the adventures of star pitcher Barnet "Bingo" Long (Williams) and his catcher friend (James Earl Jones), who form their own team to get away from the Negro League owners who exploit their talent for very little pay. (PG)

WED. 12 JANUARY

"THE RETURN OF A MAN

CALLED HORSE" (126 Min.)

Richard Harris, Gale Sondergaard

(Western) In 1830, the Yellow Hands tribe of Dakota is attacked and driven off their lands by the Rickaree tribe on orders of a white trader, Geoffrey Lewis. Richard Harris, an English nobleman who cherished memories of his time spent with the Yellow Hands, returns to the U.S. to rejoin them. He finds them dispossessed, poor and beaten in spirit. The Medicine Man is of no help, so Harris undergoes self-tolerance to cleanse his spirit and instill again the moral fortitude needed by the tribe. (PG)

FRI. 14 JANUARY

"THE TENANT" (126 Min.)

Roman Polanski, Isabelle Adjani

(Drama) This psychological drama centers around a 30-year old awkward French fellow (Polanski) who is in need of an apartment. He comes to inspect a shabby, sparsely furnished flat in a rundown quarter of Paris. A grouchy tenant (Shelly Winters) shows him the room, explaining that the previous tenant attempted suicide by throwing herself out of the window. If she doesn't recover from the attempt, the apartment is his. The next morning the woman dies and Polanski takes over the apartment. Tension then mounts as Polanski dwells on the suicide and this self-torture leads to a tragic end for him. (R)

## Movie schedule cut at Center theater

Beginning with the Christmas holiday period and continuing on into the new year, the showing of motion pictures at the Center theater has been reduced from seven to four evenings per week.

Henceforth, according to John Shoaf, head of the Recreation Branch in the Special Services Division, movies will be shown on Monday, Wednesday, Friday and Saturday evenings. The regular starting time will be 7:30.

In the hope of attracting larger audiences, the film fare will be principally first run movies, Shoaf added.

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# nwc rocketeer

Naval Weapons Center  
China Lake  
California

January 7, 1977

Vol. XXXII, No. 1

## Navy's senior ranking active duty enlisted woman retires

### Navy Commendation Medal awarded AVCM Birkinsha in ceremony Dec. 30

Presentation of a Navy Commendation Medal highlighted the retirement ceremony held on Dec. 30 for Master Chief Avionics Technician Italia F. Birkinsha, of Air Test and Evaluation Squadron Five (VX-5). At the time of her retirement, she was the senior ranking enlisted woman on active duty in the Navy.

AVCM Birkinsha's retirement marked the conclusion of more than 30 years of active duty that began on Jan. 5, 1943 — six months after founding of the WAVES (Women Accepted for Voluntary Emergency Service).

In addition to the Navy Commendation Medal and its accompanying citation, which were presented by Rear Admiral R. P. McKenzie, Commander, Light Attack Wing U.S. Pacific Fleet, AVCM Birkinsha received letters of congratulation from Admiral J. L. Holloway III, Chief of Naval Operations; from Rear Admiral Fran Moore, Director of the Naval Education and Training Command, and from Capt. R. N. Livingston, Commanding Officer of VX-5.

Letters Read by RAdm. Freeman  
The letters from Admiral Holloway and RAdm. Moore were read by Rear Admiral R. G. Freeman III, NWC Commander, who added his own words of congratulations and commendation to AVCM Birkinsha for her long career of dedicated service to the Navy and the nation.

"Aside from change of command ceremonies and ship and squadron commissions, there is perhaps no other occasion to equal that for which we are assembled today," RAdm. Freeman noted. "The strength of the United States Navy has been, is, and always will be the dedicated service of its people. Through her service and through her devotion, Master Chief Birkinsha has added to the pride and luster of the Navy's service reputation — the foundation of the Navy itself," the NWC Commander added.

"The career pattern that has taken this native of Kansas and graduate of the University of Arkansas from apprentice seaman to the highest enlisted rank in the Navy has been marked repeatedly by

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**HONORED AT RETIREMENT** — AVCM Italia F. Birkinsha, the senior ranking enlisted woman on active duty in the Navy, was the recipient of the Navy Commendation Medal during her retirement ceremony held on Dec. 30. The medal and citation that accompanied it were presented to Master Chief Birkinsha of VX-5 by Rear Admiral R. P. McKenzie, Commander, Light Attack Wing, U.S. Pacific Fleet. —Photo by Ron Allen

## Development urged of geothermal resources on military bases

A strong case for development of existing geothermal resources at U.S. military installations was made in a talk presented here during the Christmas holiday period by Professor James A. Whelan, acting head of the Department of Geology and Geophysics at the University of Utah.

Prof. Whelan, who has had 25 years of combined active service and reserve duty as a Navy officer, was introduced by Dr. Carl Austin, head of the Petrodynamics Branch in the NWC Research Department.

The speaker, who is no stranger to China Lake — having served tours of duty here as a Naval Reserve officer for the past two summers — pointed out that the recent tremendous increase in energy costs (especially of energy produced from oil and gas), combined with actual and proposed budget cuts, has dictated that the military establishment consider alternate sources of energy.

### Uses for Geothermal Energy

Geothermal energy, Prof. Whelan noted, is the utilization of hot water or steam contained in the earth either to produce electricity or for use in space heating. At present, he added, the technological capabilities exist to discover geothermal energy and to make use of it to produce electricity. This is now being done in Italy, Iceland, Japan, Mexico, New Zealand and Russia, as well as in the United States.

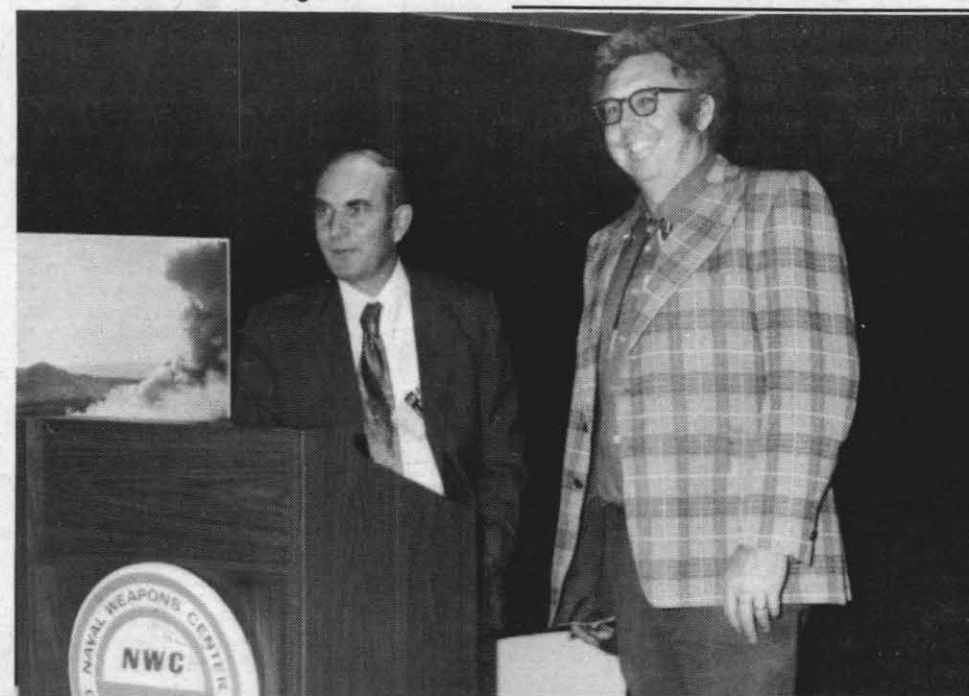
Geothermal resources also are being utilized for space heating and other non-electrical uses in Iceland, New Zealand, Russia, Hungary and the U.S., the speaker stated.

Types of geothermal energy mentioned in the talk by Prof. Whelan included dry steam — the scarcest and most desirable form because of its total utility; hot water systems that are confined underground, and hot, dry systems where there is no natural

fluid flow.

The Coso geothermal site in the Naval Weapons Center's northern range area could be a hot, dry system but, at this point in the Energy Research and Development Administration sponsored drilling operation that is under way there it can't yet be determined what the resource (if any) will be, the speaker interjected.

The economical advantage of utilizing geothermal energy compared to conventional electrical or gas-powered steam plants was stressed by the visitor from the (Continued on Page 3)



**GEOTHERMAL ENERGY BOOSTER** — Prof. James A. Whelan (at left), a strong advocate of the development of geothermal resources for the production of energy at military installations, traveled here from the University of Utah over the Christmas holiday period to present two lectures on the subject of geothermal exploration. He was introduced by Dr. Carl Austin, head of the Petrodynamics Branch in the NWC Research Department. —Photo by Ron Allen

## Wild burros killed in NWC range area; information sought

An investigation is being conducted by the China Lake police in an effort to determine the person or persons responsible for the shooting of four wild burros over the New Year's Day weekend.

The dead animals were found in the vicinity of Tower 9 on the Naval Weapons Center's G-range road. China Lake police investigators, assisted by Dr. Detlev Lange, a veterinarian from Lake Isabella, have determined that the burros were shot by someone who fired a .22 caliber weapon.

Acts such as this are a violation of the Federal Sural Animal Act, which provides for both fines of up to \$2,000 and imprisonment for terms up to one year for maliciously causing the death or harassment of wild, free-roaming horses or burros.

Anyone having information that might assist with this investigation is asked to contact the China Lake Police Division by calling NWC ext. 3323.





**SEABEE RESERVIST RETIRES** — EOC William H. Thorpe, the last of the original members of China Lake Detachment 0217 of Reserve Mobile Construction Battalion 17, was honored at a recent retirement ceremony that marked the end of more than 20 years as a member of the local Seabee Reserve unit. Thorpe was "piped over the side" by members of the Naval Sea Cadet Squadron, China Lake, after performing his last official duty by inspecting the personnel of Seabee Reserve Detachment 0217 (seen in background). The honor guard of Sea Cadets was composed of Cadets Louis Shanteler, Joe Fees and Richard Evert (on left) and (on right) Bos'n Duane Donnelly and Cadets Anthony Klissus, Ed Crawford and Kerry Fletcher. Thorpe is employed as head of the Transportation Equipment Repair Branch in the Public Works Department's Transportation Division.

## Martin Luther King memorial service set at All Faith Chapel

A memorial service commemorating the birthday of Dr. Martin Luther King, Jr., famous civil rights leader who was assassinated on April 4, 1968, will be held next Friday, Jan. 14, from 11:45 a.m. to 12:15 p.m. at the All Faith Chapel.

The program will be opened with welcoming remarks by Rear Admiral R. G. Freeman III, NWC Commander, and continue with a prayer offered by Capt. T. C. Herrmann, NWC senior chaplain.

Other participants, who will read portions of civil rights speeches and writings made famous by Dr. King, will be Robert Rafal, dean of administrative and community services at Cerro Coso Community College; Bettye Rivera Sembach, chairman of the Human Relations Committee of the Desert Area Teachers Association; Emanuel Dunn, head of the Engineering Development Branch in the Research Department's Earth and Planetary Sciences Division; and Milton Ritchie, a materials research engineer in the Microelectronics Branch of the Engineering Department's Engineering Services Division.

Music appropriate for the occasion will be provided by soloists Judy Donald, Lynette Blanche and Mrs. Glenda Cubitt, who will be accompanied by the chapel organist as they sing solos and then join together in singing "Battle Hymn of the Republic."

The brief, but meaningful program, will be concluded by closing remarks and a benediction offered by Chaplain Herrmann.

In 1972, the National Council of Black Churchmen, in conjunction with Mrs.

Coretta Scott King (wife of Dr. King), the Southern Christian Leadership Conference, and with the cooperation of the National Council of Churches, published a proclamation calling for Jan. 15 to be set aside each year as a holy day to com-



Dr. Martin Luther King, Jr.

memorate and honor Dr. King and the principles for which he worked and died.

Arrangements for next Friday's memorial service at the Naval Weapons Center have been made by Grant Williams, the Center's Deputy Equal Employment Opportunity Officer.

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

**RAdm. Rowland G. Freeman III**

NWC Commander

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### DEADLINES

**Tuesday, 4:30 p.m.**  
The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.

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## 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 092, Ext. 2669. 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 jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 094 or 097). 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. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Secretary, GS-318-4, 5, PD No. 7135142N, Code 393** — This position is that of secretary for the Surface Systems Division, Code 393. The incumbent performs such duties as maintaining division files; typing official correspondence, memoranda, travel orders and itineraries; routing division mail; answering telephone and maintaining division head's calendar. **Job Relevant Criteria:** Ability to type efficiently and accurately; knowledge of Navy and NWC correspondence and report procedures and format; familiarity with NWC travel regulations and procedures; capacity and willingness to accept responsibility; and demonstrated ability to use good judgment, initiative and resourcefulness.

**Clerk-Typist, GS-322-4, PD No. 7000007N, Code 00 (Intermittent)** — This position, in the Office of the Commander, is to provide clerical support as needed. The incumbent will perform such duties as typing various kinds of correspondence, answering telephones, opening, screening and routing mail, maintaining files, and greeting visitors. **Job Relevant Criteria:** Ability to type efficiently and accurately; ability to deal tactfully with people; knowledge of Center organization and policies.

**Secretary (Typing), GS-318-4, 5, PD No. 7460017N, Code 01** — This position is located in the Office of the Technical Director. The incumbent provides secretarial support to the Technical Director, Head of the Technology Group, and the Independent Research and Development Coordinator. The incumbent assists in the management of the daily operation of the offices served. These duties involve opening and screening mail, receiving visitors and handling calls, scheduling appointments, meetings and conferences, maintaining files, typing numerous documents, collecting and presenting information, and serving as alternate custody control point. **Job Relevant Criteria:** Ability to type accurately and efficiently; knowledge of the Center organization and policies; experience in performing secretarial duties; ability to deal tactfully and communicate with people at all levels; ability to perform the duties with minimum supervision. Previous applicants need not re-apply.

**Clerk-Typist, GS-322-3, 4, PD No. 7500016, Code 031 / 035** — This position is located in the AEC Trailer, north of the Michelson Laboratory. The incumbent will support several different elements of the Laboratory Directorate Staff in performing a variety of clerical and administrative duties. These include: scheduling appointments, meetings and conferences; reviewing outgoing correspondence to insure compliance with established policies and procedures; typing of technical materials and administrative memoranda; directing incoming mail to appropriate personnel; maintaining appointment calendar; requesting and consolidating information for presentation; and other miscellaneous duties in support of the office. **Job Relevant Criteria:** Ability to type accurately and efficiently; knowledge of Center organization and policies; reliability, dependability and accomplishment of work assigned. Previous applicants need not re-apply.

**Electronics Engineer, GS-855-11 / 12, PD No. 7439138E, Code 3912** — This position is that of electronics engineer located in the IR Anti-Air Branch, Weapons Synthesis Division, Weapons Development Department. The incumbent, as a control system designer, determines how functions can be realized so that the control system can be built simply, reliably and consistent with the design specifications; performs and applies modern analytical tools to electronic and electro-mechanical design with particular emphasis on para-metric sensitivity studies. **Job Relevant Criteria:** Ability to relate design changes to system performance and to develop tracking loop models for incorporation into digital, analog and hybrid simulations; experience in the areas of circuit theory signal processing, system theory and digital/analog computation; knowledge in the areas of IR radiation, optics, guidance and dynamics. Previous applicants need not re-apply.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2723.

**Management Assistant, GS-344-5 / 4, 7, PD No. 7670034-1, Code 2402** — This position is located in the Public Works staff office. Responsibility is for providing a wide range of statistical and analytical services to all levels of public works management. Duties include developing, providing and analyzing statistical data; development of internal reports and forms and management of the program; and performance of studies such as work form, staffing office arrangement, labor-saving device utilization. **Job Relevant Criteria:** Basic understanding of management systems and processes; ability to deal with people at various levels of authority; ability to gather, assemble and analyze data; experience in preparing meaningful charts, graphs and other visuals.

**Pneumatic Tools Operator, WG-5732-06, JD No. 319 (2 vacancies), Code 24026** — Operates various pneumatic tools to break up or drill hard surfaces such as concrete, asphalt and masonry. **Job Relevant Criteria:** Ability to operate motor vehicle safely; work practices; ability to follow directions; operation of pneumatic tools with various attachments and air compressors; reliability and dependability; ability to do the work of the position without more than normal supervision. Previous applicants need not re-apply.

**Housing Project Manager, GS-1173-9, PD No. 7670022, Code 2451** — The incumbent directs the Facilities Management Branch, Housing Division, Public Works Department, and is responsible for all housing maintenance and repairs, rehab of vacant units, short and long range maintenance requirements, budget expenditure, tenant improvement projects and development of contract proposals. **Job Relevant Criteria:** Ability to develop and implement policies and procedures and work plans; experience in the conducting of analytical studies of housing plans, requirements, maintenance and conditions; experience in the supervision of personnel and in tenant counseling.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2022.

**Secretary (Typing), GS-318-4 / 5, PD No. 7731000, Code 31013** — This position is located in the F-18 Program Office, Systems Development Department. The incumbent performs a variety of secretarial duties such as receiving incoming telephone calls and visitors; maintaining

supervisor's calendar; and screening and routing mail. Incumbent will also type correspondence, reports, etc., and draft non-technical correspondence; and perform miscellaneous administrative duties. **Job Relevant Criteria:** Ability to type accurately and efficiently; experience on magnetic card electric typewriter; ability to comprehend technical terminology; experience performing secretarial duties; ability to perform duties with minimum supervision.

**Editorial Assistant, GS-1087-4, PD No. 7738000, Code 381** — This position is located in the division office of the Physics Division, Research Department. From rough drafts, the incumbent edits and types various technical reports and scientific publications; supervises, trains and assigns work to division clerical staff; performs miscellaneous administrative and secretarial duties. **Job Relevant Criteria:** Ability to type technical manuscripts accurately and efficiently; knowledge of English grammar and composition; ability to make constructive corrections and contributions to manuscripts; knowledge of or familiarity with scientific terminology.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

**Payroll Supervisor, GS-544-5 / 4, PD No. 7217027, Code 0844** — This position is located in the Payroll and Labor Distribution Branch in the Accounting and Disbursing Division, Office of Finance and Management. The incumbent's responsibilities are to maintain controls on leave and payroll; supervise the pay and leave operation; and to serve as liaison and control point between payroll section and groups such as the computer operations section, disbursing and personnel. **Job Relevant Criteria:** Basic knowledge of payroll and accounting systems; financial and mechanized accounting systems regulations; and a thorough knowledge of payroll computation as it relates to processing an employees' paycheck or final pay.

**Clerk-Typist, GS-322-3 / 4 or Personnel Clerk (Typing), GS-303-4, 5 / 4, PD No. 7708001, Code 089** — This position is located in the Special Services Division of the Office of Finance and Management. The incumbent processes all actions affecting appointments, promotions, change to lower grades, transfers, within-grades and quality step increases, pay adjustments, separations, retirements and conversion of appointments; performs non-competitive qualifications ratings; processes classification actions and maintains associated files and records; and provides procedural information in such areas as health and life insurance, retirement, and other information related to personnel. **Job Relevant Criteria:** Personnel Clerk (Typing) GS-5 / 6 — Qualified typist; ability to work independently; firm regulatory background of current BUPERS, SECNAV and NWC instructions related to the processing of personnel actions of all types; and ability to provide procedural information concerning NAFA health and life insurance, retirement and other areas related to NAFA personnel. Personnel Clerk (Typing) GS-4 and Clerk-Typist GS-3 / 4 — qualified typist; ability to comprehend and apply regulatory information such as BUPERS, SECNAV and NWC instructions; ability to provide limited procedural information in such areas as health and life insurance and retirement and other areas (Continued on Page 5)



## 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  
Saturday 1700 fulfills Sunday obligation  
Sunday 0700 0830 1130

**BLESSED SACRAMENT CHAPEL**  
MASS  
Daily except Saturday 1135

**CONFESSIONS**  
Daily 1115 to 1130  
Saturday 1530 to 1645  
Sunday 1615 to 1645

**RELIGIOUS EDUCATION CLASSES**  
Sunday Pre-school thru 6th grades 1015  
Wednesday Kindergarten thru sixth 1530  
Sunday Seventh & eighth (Junior High) 1900

Above classes are held in Chapel Annexes across from Center Restaurant. As announced

"In Home Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

**JEWISH SERVICES**  
EAST WING — ALL FAITH CHAPEL  
Sabbath Services every Friday 1930

**UNITARIANS**  
CHAPEL ANNEX #5  
Services — (Sept.-May) 1930

## Burroughs varsity cagers compete in pre-season tourneys

In preparation for the start the Golden League season this past Tuesday night, the Burroughs High School varsity won two out of six games while competing in the Rubidoux Tournament held in Riverside, and in the Kern County Tournament at Bakersfield.

The Burros, whose first game was against Eisenhower High School (the pre-tourney favorite), were eliminated in two straight games at Riverside — losing by scores of 69-49 and 68-51 to Eisenhower and Kennedy High Schools, respectively.

### Game's Leading Scorer

Robert Campbell, center or post man for the Burros, was the game's high point man with 18 in the Eisenhower tilt, but no one else on the Burroughs squad cracked the double-figure scoring column. As a consequence, even though they got off to a 14-10 first quarter lead, the BHS varsity hoopsters were outscored 20-10 by Eisenhower in the second period and left the floor at halftime trailing, 30-24.

After that, it was a downhill pull for the Eisenhower team, which led 48-36 going into the final period, and won the game going away by a final tally of 69-49.

In the consolation bracket of the Rubidoux tourney, the Burros battled the Kennedy High Spartans of Barstow on even terms and held a 30-27 lead at the halftime intermission. The third quarter was a different story, however, as the Spartans outscored the locals, 24-10, to move into the lead, 51-41.

### Kennedy Pulls Away

The hoopsters from Barstow continued to hold the upper hand in the scoring department in the fourth quarter — adding another 17 points compared to 11 for Burroughs to make the final tally 68-51.

Competing in the Kern County Tournament, the Burros got off on the right foot by posting a 63-49 first round win over North High of Bakersfield, but were then knocked into the consolation bracket as the result of losing a last-second 62-60 thriller to Garces High School.

After that, the Burroughs High cagers also came out on the short end of a 61-56 final score in a game played against the Arvin High varsity quintet, and then concluded their tournament play by blitzing the Kern Valley High School Broncos, 75-54.

## Wilt's Corner...

(Continued from Page 6)

Fossum, NWC ext. 2202 or NAF, Lt. Bob Jackson, NWC ext. 5212.

### Water Exercise Class

A new session of the women's water exercise class, taught by Nancy Branch, will begin at the Center swimming pool next Wednesday.

The 10-session class will meet each Monday and Wednesday from 3:30 to 4:30 p.m. at a cost of \$7 per student. Registration can be made by phoning NWC ext. 2334 or by attending the Jan. 12 class.

### Equipment Check-Out

A new procedure is being followed in checking out equipment at the Center gymnasium.

All persons desiring to borrow equipment from the issue room must have a Youth Association or Athletic Association membership card with them, or have the card number checked in the secretary's book. Equipment must be returned by the person who borrowed it.

Athletic Association membership cards may be obtained at the gymnasium office between 9 a.m. and 2:30 p.m. on weekdays.

## Race results...

(Continued from Page 6)

the races, and there were medals for the winners in each of the various age groups, as well as certificates for all those who finished the race.

The next OTHFC event will be the George Washington's birthday 8-mile Portsmouth handicap race on Saturday, Feb. 19.

## Employee in the spotlight

"I'm probably the most unliberated liberated female there is. A woman can be as liberated as she wants to be at the right times, but she's got to retain the right to be female, too. I can be as positive and aggressive as I want to on the job, but I retain my rights to be treated like a lady, to have doors opened for me, for instance."

The lady whose words these are is Peggy Zulkoski, a section head in the Electronic Warfare Department's Countermeasures Division and the only female project engineer at Echo Range.

She's also a wife and mother whose family "is just as important to me as my career." Her husband, Tom, is a physicist with Code 3266, and the Zulkoskis have a five-year-old son, Larry.

Daughter of a retired Navy chief petty officer and a native of San Diego, Peggy received a B.A. degree in mathematics from San Diego State College in 1966 and a California secondary school teaching credential the following year. She and Tom came to China Lake in 1967 when he began working at the Center and she accepted a teaching position at Burroughs High School.

After a year of instructing five sections of math classes there, Peggy realized that "I didn't care for the babysitting aspects of being a teacher," and decided to work for the Navy here instead. Besides, "as a Navy brat, I've always appreciated the security associated with working for a military service," she says.

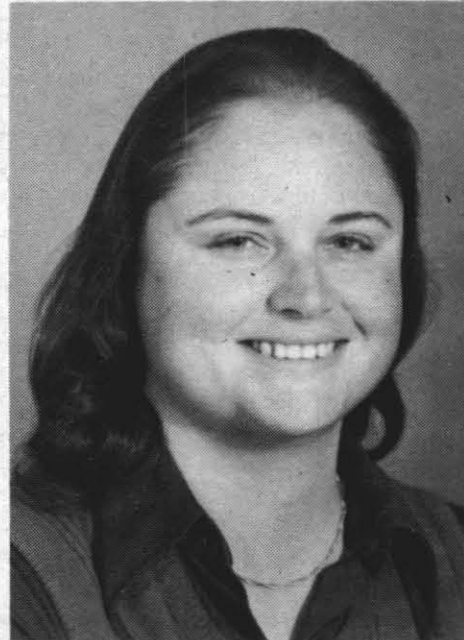
So, in 1969, she began working for Code

## ABC-TV to show 12-hour mini-series 'Roots' beginning Jan. 23

Grant Williams, Deputy Equal Employment Opportunity Officer at NWC, has asked The ROCKETEER to point out that ABC-TV is offering an education experience this month that should be extremely valuable to persons seeking more understanding of the equal rights struggle in America.

Beginning on Sunday, Jan. 23, and continuing every evening through the following Sunday, Jan. 30, ABC will show its recently filmed 12-hour mini-series, "Roots," in one- to two-hour segments. Williams suggested that local families, especially those with school-age children, plan ahead to devote evening hours that week to watching this important series.

"Roots" is based on the best-selling book of the same title, written by Alex Haley. "This moving story is based on one man's



Peggy Zulkoski

30's Data Reduction Branch doing computer programming and Echo Range data validation. She stayed with this group through its various organizational and code changes until April 1975, when she became head of the Electronic Warfare Project Office's Test Operations Section.

Peggy and the seven male technicians she supervises provide the liaison between the customer and the range by conducting tests for these customers, who pay between \$100,000 and \$400,000 yearly for such services. Their major clients are the Naval Air

Systems Command in Washington, D.C., the Air Force Systems Command at Wright Patterson Air Force Base in Dayton, Ohio, and Commander, Operational Test and Evaluation Force U.S. Navy, Norfolk, Va.

Peggy's group conducts tests of electronic countermeasure systems aboard Fleet aircraft, everything from the reconnaissance RF-4 to the F-14 Tomcat. "I enjoy the work because it's challenging and provides me opportunities for training, travel and exposure which other technical positions might not offer," she says, adding, "These advantages are important to me because my ambition is to remain in a supervisory post and get into management and planning."

### Difficult Task

Every job seems to have its problems, and Peggy says hers is "long range planning on short range information. I know what's going to happen at the range for the next three months, but I'm asked to project our workload for the next five years. I take a swag at it anyway."

During the recent observance of Federal Women's Week held at the Naval Weapons Center, Peggy participated in a panel discussion composed of four women who had done something outside the realm of what is commonly expected of their sex.

"I really had no supervisory incidents to talk about," recalls Peggy, "because management techniques don't change just because you're a woman. All I could mention were special instances of accommodation which men felt they had to make for me because I'm a woman, which are only amusing. For example, when I took my first air tour of the ranges three men reminded me to use the restroom before take-off because there were no such facilities for women on the plane. There's also the fact that other women seem to be scandalized that I leave members of my family to cook for themselves when I travel on government business."

### Unusual Civil Service Role

Peggy notes that at one time she was the only female professional in a technical field within Code 35, so that a woman in her position "probably could indeed be considered to occupy an unusual role — within the Civil Service. This situation is being rectified, however, all over the country now because the government has been actively recruiting minorities and women."

When she's not working or tending to family duties, Peggy enjoys sewing and teaming up with Tom to get together with fellow four-wheel drive enthusiasts as part of a local group known as the Geargrinders, with whom they go on monthly trips to the north range area, the Sierra Nevada and the Panamint Mts.

"I gave up the ocean to live here, and it was quite a decision to make because I was a very water oriented person. But we're glad we moved. We enjoy our work, primarily, and also appreciate the absence of crowds and smog."

## Cooperation with street sweeping contractor asked

Public Works Department officials again have requested that China Lake residents who live in the Capehart A and B housing areas cooperate with the street sweeping contractor.

Centerites who reside in the Capehart B housing area are asked to remove all parked vehicles from the even-number curbside in the morning and the odd-number curbside in the afternoon, and the same applies on Thursdays in the Capehart A housing area.

Operators of the street sweepers have been hindered in their efforts to do a thorough job because residents have been leaving cars and recreation vehicles parked in front of their homes.

China Lake residents who have questions about the street sweeping service should contact the Maintenance Service Branch in Code 26 by calling NWC ext. 2227 or 2228.



**IN NEW LOCATION**—The administrative offices of the NWC Special Services Division moved recently to new quarters at the Old Post Office building in Bennington Plaza. Shown at the new location are two movers as they apply some muscle to the job of arranging furniture for the division's Financial Operations Office after transporting it from 76 Bard St. Also pictured, between the two men, are Nora Fenter (at left) and Lola Davis of that office, who assisted with the move. No phone numbers were changed as a result of the relocation.





## Wilt's Corner

## China Lake Golf Club installation tourney set Jan. 15

An officers' installation tournament for the China Lake Golf Club will be held on Saturday, Jan. 15, beginning at 9 a.m.

This will be an individual medal play event, with golfers using their full handicaps as of Jan. 1. The entry fee of \$10 will include a dinner-dance at the Chief Petty Officers' Club the night of the tournament, while the charge for dinner guests will be an additional \$7 per person.

Installation of new officers will take place during the dinner, and tournament prizes also will be awarded at this time. A trophy and gift certificate will be presented to the winner of each of five flights, and gift certificates will be given to additional places in each flight. In addition, the overall gross and net winners will receive a trophy and gift certificate.

Entry blanks may be obtained at the golf course, and are due no later than Monday in order to allow time to plan the dinner. More information can be obtained by phoning Mike Sanitate, NWC ext. 3310, or John Emery, 375-9672.

## NWC vs. Cerro Coso

Hoopsters representing NWC and Cerro Coso Community College will clash at the Center gymnasium next Friday, Jan. 14, at 7:15 p.m.

There will be no admission charge for the game. Use of the gym by the public will be cut off at 6 p.m. The indoor pool, weight room and locker rooms will remain open, however.

## Racketball Tourney

Admiral's Cup competition in racketball will take place at the Center gymnasium's new courts from 6 to 9 p.m. on Jan. 18 through 20.

On Tuesday, Jan. 18, NWC will meet VX-5, while VX-5 and NAF will play on Jan. 19 and NWC and NAF will tangle on Jan. 20. Each team will consist of seven members, at least one of whom will be female.

Anyone interested in competing should phone the appropriate officer: VX-5, Lt. Bud Denton, NWC ext. 5545; NWC, Lt. Phil (Continued on Page 7)

## New handball-racketball courts opened at gym

Two new handball and racketball courts were formally opened at the Naval Weapons Center gymnasium recently when Rear Admiral R. G. Freeman III, NWC Com-



**COURT'S IN SESSION** — Rear Admiral R. G. Freeman III, NWC Commander (at right), with the assistance of BU3 Marvin Johnson, cuts the ribbon on the two new handball and racketball courts at the Center gymnasium. Construction of the courts by Seabee self-help labor saved the Navy an estimated \$20,000.



**GRAB THAT REBOUND!** — The ball hawking and hustling style of play, plus the sharp shooting displayed by Robert Campbell (No. 32) in Tuesday night's Golden League opener enabled the Burros' center to tally 28 points as he and his teammates defeated the visitors from Palmdale High, 60-54. Other Burroughs High varsity cagers seen above are Hugh Washburn (No. 44) at left, and Benny Vick (No. 40) in the background. Palmdale players who can be identified are Trent Andrejick (No. 52) and Don Handy (No. 30). —Photo by Sam Wyatt

## Burros open Golden League hoop season with victory over Palmdale

Getting off on the right foot in Tuesday night's opening game of the 1977 Golden League basketball season, the Burroughs High School varsity quintet won a close, 60-54, victory over the Palmdale High Falcons.

While the visitors from Palmdale weren't quite up to the task of handling the Burros, the local high school cagers are expected to face a more severe test of their chances of finishing at or near the top in the final league standings when they travel to Victorville tonight.

Tip-off time for the Burroughs vs. Victor Valley varsity contest is 8 p.m., with preliminary clashes between the sophomore and junior varsity squads of the two schools slated at 5 and 6:30 p.m., respectively.

Robert Campbell, stellar center for the Burros, was the big story for the BHS varsity in the Palmdale contest as he tallied 28 of his team's 60 points and was the game's top scorer.

Both teams battled on even terms in the

mander, officiated at a ribbon-cutting ceremony.

Also on hand for the occasion were Capt. Frederic H. M. Kinley, NWC Vice Commander; Capt. W. F. Daniel, Public Works Officer; Dick Youngman, head of the Special Services Division; John Shoaf, Recreation Branch head, and Doug Nelson, athletic director.

Wilt Wyman, recreation director, and Lt. Phil Fossum, flag lieutenant, gave an exhibition on the new courts.

The feasibility of adding two courts to join the one which had been in use at the gymnasium for some time was presented to the Joint Military — Civilian Recreation Council here in May 1975. Contractors were called in to determine the merits of various types of construction, and the executive secretary of the U.S. Handball Association was contacted to ascertain details concerning the playability of courts made of various types of materials.

The inquiry indicated that the highest quality court could be obtained for the least cost by using Seabee Self-Help labor and block masonry construction. In September 1975 ground was broken by local Seabee Reserve Unit 0217 in preparation for the

first two periods of play which ended with Burroughs clinging to a 30-29 lead, after trailing, 14-13, at the end of the first quarter. Campbell, who tallied 16 points in the first half, led a third quarter scoring surge by tossing in 12 of the Burros' 18 points in this 8 min. stanza during which the locals increased their lead to 48-41.

Going into the final 2 min. of play in the fourth period, the BHS varsity had a 12-point lead of 60-48, which the Falcons cut down to 60-54 before the final buzzer sounded.

Kevin Silberberg and Carlos Gilbert tallied 10 and 8 points, respectively, to place a distant second to Campbell in the scoring department. The visitors from Palmdale were led by Don Handy, Sam Edmonds and Tim Gudim, who scored 16, 12 and 10 points, respectively.

The Burroughs High cagers also won the junior varsity game, defeating their counterparts from Palmdale by a score of 61-56.

arrival of personnel from Naval Mobile Construction Battalions 40 and 5 from Pt. Hueneme, who later put in the concrete slab and the first 650 concrete blocks of one court.

Builder Third Class Marvin Johnson of the Public Works Department's Self-Help Project office was crew leader of two to five men and was responsible for all phases of construction from start to finish. Senior Chief Builder W. T. Cava, head of the Self-Help Office, estimated that the project's cost of \$20,000 would have been at least doubled if it had been undertaken by a private contractor.

Other Code 26 personnel — from the Ground and Walks Crew — applied special fiberglass plaster to the interior walls of the courts. They were Bob Douglas, Frank Lori and K. W. Smith.

Persons interested in reserving a court must call the gymnasium office by calling NWC ext. 2334, between the hours of 11 a.m. and 2:30 p.m. one day in advance of the date on which they wish to play. The procedure requires that a key be checked out from the issue room attendant and returned, along with any borrowed equipment, when one's court time has expired.

## Results announced of Over-Hill Track Club's latest race

Despite the gastronomic excesses associated with the season, a total of 28 runners took part in distance races that were held on Sunday, Dec. 26, and sponsored by the Over-the-Hill Track Club.

Entrants had their choice of competing in either a 2- or 4-mile race, both of which started and finished at the Desert Empire Fairgrounds in Ridgecrest.

The single-lap, 2-mile event attracted 18 starters and was won by Dick Hughes in 10 min., 56 sec. Hughes, who led from start to finish, held off a strong challenge by Larry Kassebaum, whose second place time was 11 min., while Stan Hughes placed third in 11:14.

Norm Nieberlein turned in his best performance to date in the 2-mile run by placing fourth overall and capturing top honors in the highly competitive 40 years of age and over age group.

In the two-lap, 4-mile race, Tom McMahon was a decisive winner as he posted one of the fastest times ever recorded on this course by a local or out-of-town athlete. McMahon, who was pushed all the way by marathoner Frank Freyne, finished the 4-mile run in 21:58. Third place went to Marc Pohl, whose creditable time of 24:55 left him in the lonely position between the two front runners and the main pack.

Marla McBride, the only woman entrant in the 4-mile race, ran an exceptionally fast 30:40 to finish in eighth place overall.

Trophies, handcrafted by Dick Wisdom, secretary of the Over-the-Hill Track Club, were presented to the first place finishers among men and women entered in each of

(Continued on Page 7)

## Battle resumes for lead in Premier Bowling League

The three way battle for first place in the Premier Bowling League picked up again this past Monday night, following the holiday season break.

After the results had been tallied, the Saddleback Sales and Hideaway teams were tied for the league lead with identical records of 33 wins and 12 losses, while the Raytheon Sidelinders were just a game off the pace with a 32-13 record.

Both the high team series (3,006) and high team game (1,039) were rolled by the Saddleback Sales kleglers, who swept three games from the last place Elk's Lodge bowlers.

Allen Smith's 646 was tops in the high individual series category. Others over the 600 series mark were: Jack Leininger (642), Bob Beck (631), Bill Osborne (623), Dick Furstenberg and Warren Turnbaugh (616), Earle Roby (614), Champ Pearman (612), George Barker (602) and Jim Bradberry (601).

A dozen Premier League bowlers topped the 220 single game mark. They were Osborne (237), Barker (235), Bradberry (234), Leininger (233), Pearman and Chuck Rouland (227), Smith (226), Jack Brown, Beck and Roby (225), Ken Bumpass (223), and Terry Miles (221).

Current standings in the Premier League are:

Team	Won	Lost
Saddleback Sales	33	12
Hideaway	33	12
Raytheon Sidelinders	32	13
Follock Construction	24	21
NAF Hawks	24	21
Hi-Desert	23	22
King Max	16	29
Credit Union	16	29
Fisher Plastering	12	33
Elk's Lodge	12	33

## College swim class set

A swimming course entitled "Life saving" will be taught under the auspices of Cerro Coso Community College at the NWC indoor pool beginning next Wednesday.

Instructed by Jackie Haff, the classes will be held on Mondays and Wednesdays from 5:30 to 6:20 p.m. More information may be obtained by phoning 446-2053 or 375-5001.



**COMMENDED FOR OUTSTANDING EEO WORK** — W. B. Porter (right), head of the Weapons Department, is shown receiving a letter of commendation at Monday morning's Commander's Meeting from RADM. R. G. Freeman III, NWC Commander. Porter, who has served as chairman of the Center's Equal Employment Opportunity Committee for the past year and a half, was praised by RADM. Freeman for providing "strong and positive leadership to the entire EEO program." The letter described Porter as "a fine example to both your peers and subordinates of how a manager must integrate the principles of equal opportunity in every management decision affecting human resources." Porter, who extended his tour as EEO Committee Chairman by six months in order to provide a smooth transition between EEO staffs, will now be succeeded in this capacity by Dr. G. W. Leonard, head of the Propulsion Development Department.

## Need seen for geothermal resources...

(Continued from Page 1)  
University of Utah.

Plants for producing electrical power from geothermal energy range in capacity from 25 to 100 megawatts, and there are usually about five wells serving each such plant.

At the present time, the cost of drilling and putting a geothermal well into operation is around a half million dollars each. At this rate, a 55 megawatt geothermal power plant costs approximately \$4 to \$7 million, compared to \$25 million for a conventional steam plant, Prof. Whelan said. Turbine repairs are slightly higher using geothermal energy than with conventional plants, but overall power is produced more cheaply.

Underground hot water resources not suitable for production of electricity can be utilized for space heating or such things as snow removal on airfield runways, it was added. Looking at the electric power and natural gas bills he is now getting where he lives in Utah, Prof. Whelan commented that the monthly electric bills are now higher than those previously received at bimonthly intervals.

Utilizing geothermal energy, he pointed out, is not only a less expensive way to go, but is taking advantage of the use of a lower grade energy resource. As an example of this, he cited the case of a 440,000 sq. ft. school in Klamath Falls, Ore., that was able

## Plans announced for Bluejacket of Year banquet on Jan. 22

Plans were announced this week for the annual NWC Bluejacket of the Year banquet, which will be held on Saturday, Jan. 22, at the Enlisted Club.

The evening will begin at 6:30 with a social hour, and a Cornish game hen dinner will be served at 7:30. Introduction of the eight Bluejacket candidates will be made after dinner, as will announcement of the 1976 winner.

The Bluejacket of the Year banquet is sponsored annually by the Indian Wells Valley Council of the Navy League. Its members have chosen this way to honor outstanding enlisted sailors in their community.

Tickets, priced at \$7 per person, can be obtained from Charlotte Baker at the Computer Sciences Corp. building, 443 Inyokern Rd., Ridgecrest, or ordered by phoning her at 446-6585. They are also being sold by Iva Jeane Mallory at the NWC Office of Information, phone ext. 3511.

to reduce its heating costs from \$184,000 to \$12,000 per year. This figure, it was noted, is based on the outlay for installing a geothermal heating plant and its operation and maintenance. The school has three wells available for its use, each of which is equipped with corrosion-resistant pumps and cost approximately \$80,000 apiece to drill and put into operating condition.

In recommending that military installations where such untapped resources exist make use of geothermal energy, Prof. Whelan cited economic reasons (electricity can be generated at half or a third of the normal cost), the necessity for the U.S. to be free of dependence on other nations for oil and natural gas, and also pointed out that geothermal systems are generally dispersed in location and are easier to protect than an oil tank farm, for example.

Listed by Prof. Whelan were a number of military installations and areas with what he called "obvious potential for developing geothermal resources."

The military services, he urged, should evaluate their bases throughout the world, carry out feasibility studies and geophysical exploration of favorable areas, followed by test drilling of the most favorable sites and then (hopefully) by development.

## Passes required when entering or driving on Naval Weapons Center

Individuals who have been issued a Naval Weapons Center pass are reminded that they are required to have it in their possession, even when they are passengers in a vehicle entering or driving on board the Center. Although vehicle passengers are not always required to display their pass, it must be available to show the gate guard if requested.

At random, unannounced times, the guards at NWC's main and south gates are required to check the passes of all occupants of all vehicles entering the Center. During one recent check period that was just one hour in duration, 57 persons were required to obtain a temporary pass from the Visitors Center in order to gain access to the Center. All of these violations were at the main gate.

During a similar check at the south gate, 44 persons were required to return via the main gate Visitors Center to obtain a visitor's pass. The result was a real inconvenience for these people, many of whom expressed their displeasure to the guards and pass desk personnel.

Periodic spot checks for valid passes is one of several programs initiated by the NWC Commander to increase the security of the Center and the personnel thereon. The results of these programs (in terms of numbers of unauthorized persons detected and prevented from entering the Center) have proven their worth and they will be continued.

In view of the recent problem, all persons desiring entrance to the Center are reminded once again that they must have their NWC pass in their possession. During the spot checks this requirement applies equally to all personnel, including "V" pass holders.

All those desiring admittance to the Center are urged to carry and protect their NWC pass, and to avoid the inconvenience experienced by 101 persons during two recent spot checks.

## RM3 Gail Grant singled out as Sailor of Month by VX-5

Radioman Third Class Gail Grant, a native of Alton, Ill., has been named Air Test and Evaluation Squadron Five's Sailor of the Month for December 1976.

Currently assigned as a yeoman in the squadron's Operations Department, she is responsible for maintaining the flight records of pilots, and, specifically, to record what type of aircraft each flies and the time it is flown.

"This is a terrific job," says RM3 Grant, "because it keeps me very involved in the mission of the squadron."

According to a letter of commendation presented to her by her skipper, Capt. R. N. Livingston, "During recent months you displayed a unique ability to accept and accomplish tasks of much higher assignments. Your diligence in these duties significantly contributed to continued smooth operations during recent turn-

## Others also had important role in establishing NAF

From the Office of Information

In recent personal correspondence received by Rear Admiral R. G. Freeman III, NWC Commander, from Vice Admiral John T. Hayward, USN (Ret.), the latter expressed regret at the omission of two names from the list of individuals who were singled out for special recognition in the story on the disestablishment of the Naval Air Facility that was published in the Dec. 3, 1976, issue of The ROCKETEER.

Vice Admiral Hayward, a NOTS pioneer and former Experimental Officer here, wrote, in part: "There would never have been an Air Facility at Inyokern if it had not been for the late 'Deke' Parsons and Dr. Thompson."

He had reference to Cdr. (later Rear Admiral) W. S. Parsons, who was a key member of the Office of Scientific Research and Development's proximity fuse program during the latter part of World War II, and to Dr. L. T. E. Thompson, the U.S. Naval Ordnance Test Station's first Technical Director.

In summarizing the period of nearly 34 years from the time that NAF had its origin in the formation of a special experimental unit (Hedron 14) until its disestablishment this past December, both space and time limitations in publishing the Center newspaper made it impossible to include countless individuals who (even as RADM. Hayward did) contributed significantly to the NAF mission and to NOTS (later NWC) as well.

overs."

RM3 Grant enlisted in the Navy in August 1974 "primarily for the G.I. Bill benefits," and, after completing boot camp at Orlando, Fla., and "A" School in San Diego, came to China Lake for her first duty assignment. Until April 1976 she worked as a communications yeoman in VX-5's Administration Office.

December's Sailor of the Month lives with her husband, PH1 Rich Grant — who is



RM3 Gail Grant

supervisor of the VX-5 photo lab — in Navy housing, and says she likes China Lake "because it's comfortable." In February, however, she will be leaving for an assignment at the Naval Telecommunications Center, Guam.

For her selection as VX-5's top sailor last month, RM3 Grant will receive a 72-hour liberty pass, one duty-free month, a parking spot near the hangar, a squadron plaque and the letter of commendation to be read at quarters, and her photograph will be displayed on the squadron bulletin board.

## Next Thursday is summer employment examination deadline

Next Thursday, Jan. 13, is the deadline for receipt of applications from students who are interested in taking the Civil Service Commission's 1977 Summer Employment Examination.

According to a reminder issued earlier this week, applications postmarked after Jan. 13 will not be accepted for the written test that is to be given in February.

Students who have previously qualified for summer employment based on the written test are not required to retake the test, but (if they desire to do so) may update their eligibility by filing a new application to take the exam in order to improve their score.

To be eligible for summer employment, applicants must be U.S. citizens. The minimum age requirement is 18 at the time of appointment, however, this requirement is waived in the case of high school graduates who are at least 16 years old at the time of their job appointment.

Forms to be used in filing an application to take the 1977 Summer Employment Examination can be obtained at the receptionist's desk in the NWC Personnel Department building.

## Enrollment still open for 3 classes next week

Enrollment is still being accepted for three classes that will be offered during the coming week at the Training Center.

Prospective students interested in attending a course in Delegation Techniques or Performance Appraisal, both taught by Dr. Bertram Barer of California State University, Northridge; or a class entitled Managing Risk Within a Project/Functional Matrix, taught by Dr. Vernon Grose, from the Tustin Institute of Technology, are asked to call the Training Center, NWC ext. 2359, no later than 4:30 p.m. today.





**SINGULAR OCCASION** — A Navy career that covered more than 30 years of active duty for AVCM Italia F. Birkinsha ended at a retirement ceremony held here on Dec. 30. Master Chief Birkinsha, administrative assistant of the VX-5 Electronic Warfare Branch, is shown while listening to remarks delivered on this special occasion by Rear Admiral R. G. Freeman III, NWC Commander (in photo at top left), and being congratulated by Capt. R. N. Livingston, Commanding Officer of Air Test and



Evaluation Squadron Five, as she received her certificate of retirement. In the lower row of photos, AVCM Birkinsha was saluted upon being "piped over the side" at the conclusion of her retirement ceremony and then, prior to a luncheon in her honor held at the Enlisted Club, cut the first slice of a cake baked for her and presented it to George Schneider, a Ridgecrest resident, who was retired 36 years ago as a Navy chief petty officer. Schneider was later recalled to active duty during World War II.

## Commendation medal presented at retirement ceremony...

(Continued from Page 1)

the Navy Commendation Medal, AVCM Birkinsha was hailed for meritorious service while serving as special assistant to the VX-5 electronic warfare officer from May 25, 1970, to Dec. 31, 1976. Her administration of the Electronic Warfare Branch "directly and positively influenced the quality and efficiency of this squadron's operational test and development of numerous items of electronic warfare equipment," the citation read, in part.

Master Chief Birkinsha was cited for applying her extensive experience and professional knowledge in a particularly effective manner by assisting in for-

mulating test plans, analysis of data and writing and reviewing operational test reports.

In his letter of appreciation to AVCM Birkinsha, Capt. Livingston briefly mentioned the many commands and geographical locations in which Master Chief Birkinsha has served, and then added: "While attached to VX-5, your administration of the Classified Material Control Office has been superlative and as administrative assistant of the Electronic Warfare Branch you contributed much to the successful completion of numerous electronic warfare evaluations."

### Performance Rated Outstanding

The VX-5 Commanding Officer also observed that Master Chief Birkinsha's ability to achieve excellence has been documented by more than 30 years of outstanding performance evaluations. "The degree of initiative and judgment displayed in carrying out your assigned duties is indicative of your high motivation and deep dedication to the Naval service," Capt. Livingston added.

Prior to being "piped over the side" at the conclusion of the retirement ceremony, AVCM Birkinsha received a certificate of retirement, and an American flag, as well as a VX-5 plaque from her Commanding Officer.

The retirement ceremony was followed by a luncheon at the Enlisted Club during

## Visit slated Jan. 18 by Blue Cross agent

Jeanine Sainsbury, the Blue Cross / Blue Shield insurance representative, will be at the Community Center on Tuesday, Jan. 18, from 10 a.m. through 2:30 p.m. Enrollees in this health insurance plan who wish to talk with her will be seen on an appointment-only basis.

Beginning Monday, a sign-up sheet will be at the front desk of the Community Center. Those interested in seeing Miss Sainsbury must visit the Community Center to sign up, since no appointments will be taken over the telephone.

which Master Chief Birkinsha received another (larger) plaque from Capt. Livingston, as well as a 23 band CB radio that was a gift of the officers and crew at VX-5. The latter presentation was made by YN2 Dave Smith.

The first slice of a cake decorated with the message "Smooth sailing Chief B" was served by AVCM Birkinsha to George Schneider, a resident of Ridgecrest who retired 36 years ago as a Navy CPO.

Master Chief Birkinsha expressed her thanks to everyone for the gifts and honors she received. In reference to her three decades of active duty in the Navy she stated: "I've enjoyed it tremendously, and if I had it to do over again, I'd do it."

She plans to remain in the Indian Wells Valley and make her retirement home here.



**SAFETY EFFORTS RECOGNIZED** — John DiPol, (at right), acting head of the Range Department, recently presented safety awards to Woodrow I. Bertine (on left), head of the Magazine Operations Branch, and Henry R. Paquin, head of the Ordnance Division. Bertine was cited for nine years of supervision without a lost-time accident, while Paquin, who heads a division that was a part of the Supply Department prior to the organizational realignment at NWC, received a three year safety award.

—Photo by Terrie Jacks

## Course to prepare for E.I.T. exam to begin Tuesday

A University of California at Santa Barbara Extension Division refresher course designed especially to prepare participants for the next Engineer-in-Training (E.I.T.) exam will begin on Tuesday, starting at 7 p.m., in Rm. 200 of the Training Center.

The course will continue each Thursday and Thursday from 7 to 8:30 p.m. through March 31, and is to be led by Ray W. Van Aken, head of the Aeromechanics Division in the NWC Systems Development Department.

Topics to be covered will include mathematics, statics, dynamics, strength of materials, thermodynamics, heat transfer, fluid mechanics, electricity, engineering economy, and problems from E.I.T. examinations.

The E.I.T. exam is a usual prerequisite for registration as a professional engineer and has been accepted by the Civil Service Commission as an option in being classified as an engineer.

The fee for this non-credit course is \$145, and applications for the next E.I.T. exam, which is scheduled on April 16, will be available at the first class meeting.

Additional information can be obtained by calling Ann Auld in Ridgecrest at 446-2362.

## Astrologer to speak at WACOM luncheon

Paul Rozner, a well-known astrologer from Los Angeles, will be the guest speaker at the first luncheon meeting of the new year which is to be held Tuesday by the Women's Auxiliary of the Commissioned Officers' Mess.

Rozner has lectured throughout Southern California on the subject of astrology, has written a book, and is currently teaching a course on this subject at Beverly Hills High School.

Following a social hour beginning at 11 a.m. Tuesday, lunch will be served at 11:45 and Rozner will begin speaking at 12:30 p.m.

## Coast Guard Aux. slates class in boating safety

A course in boating skills and seamanship will be taught by the members of the U.S. Coast Guard Auxiliary Flotilla 76 at the group's hut on McIntire St. at 7:30 p.m. on Wednesdays from Jan. 12 through March 30.

The only charge involved for the class, which is open to the public, is for a textbook. More information may be obtained by phoning Bill Fitzgerald in the evening at 446-4454.

## Nominations being accepted for NWC Equal Opportunity Awards

Nominations are now being accepted for the Center's annual Equal Employment Opportunity Awards. These awards will be presented to deserving employees in the spring by Rear Admiral Rowland G. Freeman III, who, as NWC Commander, also serves as the Center's EEO Officer.

Any employee who has contributed significantly to furthering the Center's EEO goals is eligible to receive an award, which will consist of a plaque and letter of appreciation from RADM. Freeman.

The awards have a threefold purpose: To demonstrate the value Center management places on employees and supervisors who actively and effectively contribute to EEO; to give public recognition to deserving recipients; and to give impetus to the EEO program by publicizing the positive impact made on this program by its dedicated workers.

### Criteria for Awards

A number of criteria have been set up for selection of EEO Award recipients. Consideration for recognition will be given to supervisors who have clearly excelled in promoting EEO within their organization; to persons whose superior accomplishments in training, recruitment, or other activities have advanced the cause of EEO; or to persons, such as EEO counselors or committee members, who have worked effectively, within the EEO program.

RADM. Freeman has requested nominations for EEO Awards from Center departments and from Grant Williams, Deputy EEO Officer. Any employee who knows of someone who would be a deserving award-winner may make such a suggestion to the EEO Coordinator in his or her department. Such suggestions must be submitted by Friday, Jan. 21, and should be accompanied by a written description of accomplishments in EEO supporting the award.

Department EEO Coordinators are Brandi Williams, Code 08; Dallin Childs, Code 09; Charles Anderson, Code 12; Bernie Strunk, Code 23; Estela Paine, Code 24; Cdr. James H. Baker, Code 25; Eugene Walker, Code 26; Al Cleland, Code 31; Mike Osborn, Code 32; John Wooldridge, Code 33; Jim Fath, Code 35; Keith Becker, Code 36; Rena

Yee, Code 38; Nils Wagenhals, Code 39, and Eric Kajiwara, Code 62.

Nominations will be forwarded via department heads to the Employee Management Relations Division of the Personnel Department. The NWC EEO Committee, in conjunction with the Deputy EEO Officer, will review the nominations and forward them to the Technical Director and the Commander with their recommendations. Final selections will be made by the Commander and the Technical Director.

## Happenings around NWC

Enrollment has been extended through Monday for a one-day class in "Clear Writing" that will be held on Tuesday, from 8:30 a.m. to 3:30 p.m., in the Sidewinder Rm. of the Community Center.

The instructor will be Robert Gunning, a consultant, who conducts this same course here periodically for the benefit of Centerites whose job requires the writing of a variety of memos, instructions and reports.

NWC employees interested in attending Tuesday's session must submit an enrollment form via proper department channels to Code 094.

### COM Books Musical Gp.

Star Trek and Sherry, a light rock group from Los Angeles, will be performing tonight from 9 until 1 a.m. at the Commissioned Officers' Mess.

Special for the evening will be prime rib, served from 6 to 9:30.

The COM is now offering a hot buffet daily from 11:30 to 1 in the Sierra Room. Included in the price of \$2.25 per person is a choice between two hot entrees, salad and a vegetable. This service began yesterday.

### Dance Slated at CPO Club

A local soft rock group, The Beachcombers, will play for a dance tonight from 9 until 1 a.m. at the Chief Petty Officers' Club.

The dinner special will be prime rib, while that for tomorrow night will be a seafood platter. Both will be served from 6 until 9 p.m.

### AFGE To Meet Monday

Members of Local 1781 of the American Federation of Government Employees will hold their next monthly meeting on Monday, beginning at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the Safety and Security Department's Police Division at China Lake.



**NWC PLAQUE PRESENTED** — A plaque as a memento of his visit to the Naval Weapons Center was presented recently by Rear Admiral R. G. Freeman III, NWC Commander, to W. S. Jones. The latter, who is the Deputy Director of Material Management from Tinker Air Force Base in Oklahoma City, was here to discuss and negotiate continued Center support of Air Force A-7D aircraft computer software.



**WINTER SNOW ARRIVES** — The "right" combination of weather conditions on Wednesday night produced snow that left a blanket of the white stuff in the China Lake-Ridgecrest area, as well as throughout Indian Wells Valley and on the surrounding hills and mountains. Personnel on duty in the NWC Aircraft Department's Weather Service Office reported that, as of 10 a.m. Thursday nearly 6 in. of snow, (or the equivalent of ¾ in. of rain) had fallen. Because of the unusual weather, administrative leave was granted Thursday morning to all except essential personnel at the Naval Weapons Center, and local schools were closed for the day. This gave youngsters a rare opportunity to engage in snowball fights or try their hand at building snowmen. The accompanying photos were taken early yesterday morning. As The ROCKETEER went to press, weather forecasters expected rain and more snow throughout the day yesterday, as well as freezing temperatures last night which would assure that the blanket of white will remain a bit longer than is usually the case when there is snow in the local area. The storm caused power outages Wednesday night and at intervals Thursday morning at various locations on the Naval Weapons Center.

## Promotional opportunities

(Continued from Page 2)

related to NAFA personnel; and ability to deal tactfully with people. **Promotion Potential:** GS-6.

**Budget Clerk, GS-501-3/4, PD No. 7250822N, Code 0832** — This position is intermittent and located in the Budget Division of the Office of Finance and Management. The incumbent assists in preparing the overhead budget for one or more departments; gathers financial and accounting data as required; monitors expenses on customer orders; job order numbers; and assists department in processing travel orders and material requisition actions. **Job Relevant Criteria:** Ability to meet deadlines under pressure, to work rapidly and accurately, to work with figures, and to work with others.

**File applications for the above with Tina Lowe, Bldg. 34, Rm. 204, Ph. 2476.**

**Ordnanceman (Leader), WL-4502-10, PD No. 7232001, Code 3272** — This position is located in the Explosives and Propellants Branch of the Propulsion Development Department. Incumbent acts as leader of ordnancemen at the Salt Wells Pilot Plant; assigns ordnancemen to tasks and keeps time sheets for personnel in his area; acts as main Salt Wells contact for Magazine personnel; is responsible for reviewing facilities and buildings in the pilot plant and calling in maintenance personnel when required; and assures that personnel in his area adhere to established safety policy. **Job Relevant Criteria:** Knowledge and experience in propellant and explosives mixing and casting, plastics molding, raw chemicals preparation, rocket motor and warhead loading, assembly and/or disassembly; experience as a supervisor or team leader.

**File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2393.**

**Clerk-DMT, GS-316-3/4, PD No. 7435001, Code 3542** — This position is located in the Microwave Radiometry Branch of the Electronic Warfare Department. Incumbent types from handwritten or rough copy and transcribes from a dictaphone all kinds of letters, charts, memoranda, official correspondence and reports; receives and distributes mail; makes travel arrangements; keeps timecards and performs other clerical duties. **Job Relevant Criteria:** Working knowledge of engineering terminology; ability to operate magnetic card typewriter is desired; proficiency in use of dictating machine.

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

**Clerk-Typist, GS-22-3, PD No. 7245041N, Code 3430** — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Sparrow Program Office, Product Design Division, Engineering Department. Incumbent provides typing and clerical services to project personnel; receives and routes all incoming correspondence; reviews outgoing correspondence for procedural and grammatical accuracy; and

provides statistical material at the request of project personnel. Other duties include maintaining branch files, greeting visitors, answering telephones and directing callers to the appropriate person. **Job Relevant Criteria:** Ability to type accurately using a magnetic card; electric typewriter; knowledge of proper format for correspondence and reports; knowledge of Navy and NWC filing procedures. **Promotion Potential:** GS-4.

**General / Mechanical / Electronics Engineer, GS-801/830/855-11/12, PD No. 7455029-1E, Code 3242**

Applications will be accepted from both NWC employees and status eligibles. This position is located in the Sparrow Program Office, Product Design Division, Engineering Department. Incumbent coordinates the efforts of project teams made up of key department personnel whose responsibility is to evaluate existing designs and proposed engineering changes to existing designs to achieve high reliability, maintainability and economical production of guidance and control sections. Incumbent maintains a close liaison with contractors, NAVAIR and other military facilities. **Job Relevant Criteria:** Background in electronic design, production support and environmental / reliability testing; knowledge of servomechanics, fuzing, accelerometers and ordnance; ability to elicit cooperation from others in support of plans and proposals and to use tact and diplomacy in dealing with contractors and other off-Center personnel.

**Quality Inspection Specialist, GS-1940-11, PD No. 7455157, Code 3443** — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Quality Control Branch, Engineering Department, Engineering Department, Incumbent performs inspections and tests of electronic hardware to verify conformance to applicable specifications; and is also responsible for preparing and accomplishing complete electronic systems tests and documenting the results. **Job Relevant Criteria:** Knowledge of quality control techniques and associated test and evaluation equipment; working knowledge of the theory of operation of transistor circuits and all passive electronic components; ability to provide technical supervision to subprofessional and crafts employees performing test, alignment and qualifications functions. Previous applicants will be considered without reapplying.

**Engineering / Electronics Technician, GS-802/854-9/10/11, PD No. 7234603N, Code 36301** — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Sparrow Program Office, Product Design Division, Engineering Department. Incumbent assists the program manager in directing the Sparrow project team; initiates and administers technical contracts with private industry and work assignments with other government agencies; and evaluates existing designs and proposed engineering

changes to achieve high reliability, maintainability and economical production. In addition, incumbent serves as a consultant on design problems and determines the performance parameters required of new or designed system components. **Job Relevant Criteria:** Knowledge of servomechanics, fuzing, accelerometers and ordnance; background in production support and environmental / reliability testing; ability to elicit cooperation from others in support of plans and proposals and to use tact and diplomacy in dealing with contractors and other off-Center personnel.

**Engineering Technician (Numerical Control Parts Programmer), GS-802-10, PD No. 724002N, Code 34432** — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Numerical Control Programming Section, General Machining Branch, Engineering Prototype Division, Engineering Department. Incumbent is responsible for preparing parts programs for the numerically controlled manufacturing of hardware; providing technical advice to cognizant engineers and their representatives in areas relating to numerical control; and reviewing hardware design for compatibility with numerically controlled manufacturing. **Job Relevant Criteria:** Knowledge of machine shop practices; working knowledge of automatically programmed tools; knowledge of trigonometry, analytical and descriptive geometry; working knowledge of metallurgy; understanding of inspection methods, philosophy and equipment; working knowledge of various specifications (such as Military Specifications, Federal Standards, and Army-Navy Specifications). **Promotion Potential:** GS-11.

**File applications for above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.**

## Aliens must register now

Aliens residing in the United States on Jan. 1, 1977, who have been registered and issued alien registration cards, are required to report their address to the U.S. Immigration and Naturalization Service during the month of January.

This report is required even if no change of address has taken place since the last registration. A registered alien who is temporarily absent from the U.S. on Jan. 1 has 10 days from the time of his or her return to file the report.