### **IWV Concert Ass'n announces** schedule, plans for new season

during the 1979-80 season by the Indian is billed as America's only full-time per-Wells Valley Concert Association at the forming brass ensemble. This will be a Center theater this fall.

Plans are underway for a new-member sales campaign, which will begin later this month and go into full swing in September.

Right now, present members are urged to return their renewal forms without delay, so that seat reassignments for renewing members can be completed before seating is opened up to new members. All seats not spoken for by June 25 will become available

Any Concert Association member who did not receive the renewal package mailed out last month is asked to contact the association by calling 375-5600 to request a course to begin at replacement.

The season is scheduled for a lively opening on Wednesday, Oct. 24, by the Johann Strauss Ensemble of the Vienna Symphony Orchestra. This small orchestra of 12 strings and winds - similar to the orchestra used by Johann Strauss, Jr. has won acclaim around the world for its interpretation of light classical dances, as well as the immortal music of the Strauss

Then on Monday, Nov. 26, the Concert Association will present "Pirates of Penzance" by Opera a la Carte. This group, directed by Richard Sheldon, delighted IWV concert goers in 1978 with "H.M.S. Pinafore."

The first performance in 1980 will be on Thursday, Jan. 17. Featured will be Santiago Rodriguez, a concert pianist, who has been a prize-winner or finalist in numerous competitions including the 1976 Leventritt. This remarkable young pianist is already

establishing a firm reputation for himself. Coming to the Center theater on Feb. 19 MONIES ALL AGES ADMITTED General Audiences

ALL AGES ADMITTED Under 17 requires accomp Parent or Adult Guardian Regular starting time - 7:30 p.m. Code-0-Phone 939-2411 "BUTTERFLIES ARE FREE" Starring Goldie Hawn (Comedy, rated PG, 110 min.) "THE CAT FROM OUTER SPACE" Ken Berry and Sandy Duncan (Comedy, rated G, 104 min.) 1:30 Matinee — regular adm. "THE KENTUCKY FRIED MOVIE" Starring James Ryan (Action, Drama, rated R, 91 min.) "DISCO FEVER" Starring Fabian and Casey Kasen (Drama, rated R, 98 min.) WEDNESDAY JUNE 13 "IN PRAISE OF OLDER WOMEN" Starring Karen Black (Drama, rated R, 108 min.)

"SMOKEY AND THE

GOOD TIME OUTLAWS"

Starring

Jess Turner

(Comedy, rated PG, 96 min.)

"FOREVER YOUNG-FOREVER FREE"

Starring

Karen Valentine and Jose Ferrer

(Drama, rated G, 85 min.)

1:30 Matinee-regular adm.

"ICE CASTLES"

Starring

Lynn Holly Johnson

(Drama, rated PG, 110 min.)

JUNE 15

FRIDAY

SATURDAY

A series of six concerts will be offered will be the Annapolis Brass Quintet, which return appearance to IWV by this group since its first appearance here in 1976.

On Wednesday, March 19, "The Odessa Balalaikas," rated as America's finest Russian folk group, will also return to the theater with a new and expanded program of Russian instrumental and vocal music.

The final concert of the season will be presented by George Zukerman, bassoonist, on April 14, He will present an unusual and exciting program entitled "Zukermania."

# Mountain climbing college on June 18

A popular summer time class in basic mountaineering will begin at 6 p.m. on Monday, June 18, at Cerro Coso Community College, and be held on Mondays and Tuesdays through July 24.

The 12-session course, which is taught by Dr. Carl Heller, assisted by some of his fellow members of the China Lake Mountain Rescue Group, will consist of classroom sessions from 6 to 8:50 p.m. on Mondays, followed on Tuesdays by rock climbing sessions organized by Mike

In the classroom, there will be lectures on mountaineering safety, students will learn to tie the various knots that are used by mountain climbers, and by watching films, learn about the various kinds of equipment and techniques used when climbing mountains

Five of the Tuesday evening sessions will be held at School Rock, which is located on the south side of Indian Wells Canyon. Small groups, each with an instructor, will learn the basics of mountain climbing by practicing on the rock slopes of School Rock. Students with similar degrees of climbing ability will be grouped together for this part of the training.

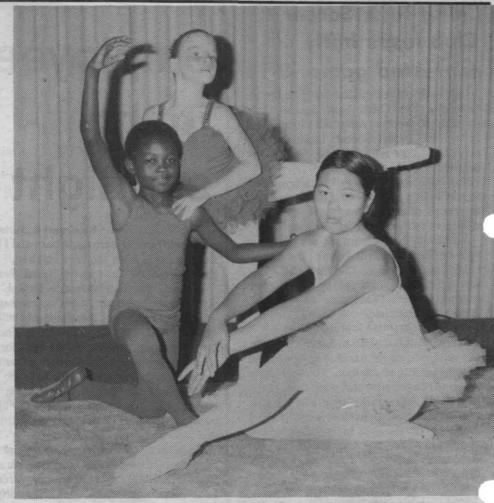
The course also will include a one day field trip on July 4 with the group divided into those who will follow Trail Peak (above Horsehoe Meadow South of Lone Pine), climb Thor Peak (above Whitney Portals) and climb Mt. Gould (located above Onion Valley in the High Sierra west of the town of Independence).

Overnight trips to different locations also are planned on the weekend of July 21-22.

Additional information about this and other summer courses can be obtained by calling the college at 375-5001.



GOING UP - This view from near the bottom of School Rock shows how students in the basic mountaineering class offered by Cerro Coso Community College learn the fundamentals of mountain climbing. A safety rope, firmly secured, prevents a fall in case of a slip. Object of this and other training sessions is for students to learn how to use handholds and judge the difficulty of a climb before they start



BENEFIT PERFORMANCE PLANNED - Keith Carey (left) Ellen Reed (center) and Kimi Matsuda will be among the performers in the Ballet Arts Theatre benefit performance for the Navy Relief Society's Fund Drive at the Naval Weapons Center on Saturday, June 9, at 7 p.m. in the Burroughs High School lecture center. Admission for the performance will be \$3 for adults, \$2 for senior citizens and high school students, and \$1 for children. Students of the Ballet Arts Theatre are taught by Bette Jacks. -Photo by PH2 Tony Garcia

### Auditions for CLOTA summer musical to start Wednesday at Las Flores School

Auditions for the Community Light Opera Proceeds from the opening night premier and Theatre Association's (CLOTA) summer musical "Stop the World. . . I Want to Get Off!" will be held in the Las Flores planning to audition come prepared with School auditorium from 7 to 10:30 p.m. next Wednesday through Friday.

Michael Lee Walker, this year's summer director for CLOTA, will oversee the auditions. He claims to be knowledgeable of the works of Anthony Newley and Leslie Briscusse, co-authors of "Stop the World."

During the auditions, six prospective actors at a time will read their lines, then each will sing individually, followed by a mime audition. While Walker is listening to the second group reading its lines, the first group will be learning the audition dance.

Performances for "Stop the World. . ." are slated on Aug. 10, 11, 17, 18, 24, 25 in the Burroughs High School lecture center.

### City Recreation Dept. spiritual life. dance students to present recital Sun.

The Ridgecrest Recreation Department Dance Program will present its annual dance recital on Sunday, starting at 3:30 p.m., in the Burroughs High School lecture center. This program is open to the public and is free of charge.

Intermediate and advanced students of Carol Wooldridge and Barbara Keihner will be featured. The program will be presented in three major scenes: "Hansel and Gretel in the Magic Forest," "Ballet to the Classics," and "Jazz to Current Sounds."

In addition to graceful ballets and complex jazz choreography, the program will include acrobatic and tap routines, performed by youngsters from 6 to 18 years of

Although the official summer registration has concluded, vacancies still remain in classes conducted through the City Recreation Department. Dance program teachers suggest that students and parents interested in the program come to Sunday's recital, then call Ridgecrest City Hall, 375-1321, during the following week to obtain further information.

Classes planned for the summer session include ballet, tap, jazz, and a new class in pre-jazz for 5- to 7-year-olds.

will be donated to Sunshine House.

The director suggests that all people pencils and wearing loose fitting clothes which can be easily worked in.

#### Zaharias to be speaker at FEW meeting Tuesday

Jerry Zaharias will be the speaker at a meeting of Federally Employed Women (FEW) to be held in the Sidewinder Room of the Community Center on Tuesday from 11:30 a.m. until 12:30 p.m.

Zaharias will speak on "The Magic Formula for Dynamic Living." The formula covers eight principles that can be applied to business, home, and social life to enhance the quality of physical, mental, and

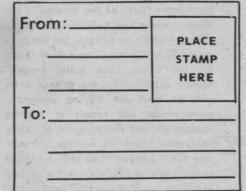


A 90-min. performance by "The Iron Butterfly," a rock music group from the Los Angeles area, will be presented tonight at the Enlisted Mess. Admission to this musical performance is

\$3 per person, and the show is scheduled to begin at 9 o'clock. Tonight's menu in the dining room at the Enlisted mess features surf'n turf serv

from 6 to 8:30.

JU.S. Government Printing Office: 1979-No. 30



## **Proposals sought** for geothermal area development

In response to a request for proposals from private industry to explore and develop geothermal energy sources on the Naval Weapons Center, representatives of more than a dozen companies were present last week for briefings and a tour of the Coso Known Geothermal area.

During the first day of their two-day visit, the prospective bidders were welcomed by Capt. F. H. M. Kinley, NWC Vice Commander, while Capt. R. B. Wilson, who has just retired from the Navy and the position he held as head of the Public Works Department, summarized the proposed action and briefed the visitors on the Center's technical mission.

. The problem NWC faces is how to achieve its weapons test and evaluation mission and also allow a potential energy resource to go into production. For this reason, W. R. Hattabaugh, head of the Test and Evaluation Directorate, also spoke to the representatives of private industry - informing them about the range operations and visibility requirement for testing at

**Power Production Potential Discussed** 

This was followed by a presentation by Dr. Carl Austin, a geologist who heads the Geothermal Utilization Division in the NWC Public Works Department. Dr. Austin discussed the electric power production potential of the Navy's 31/2 square miles of fee-owned land, while Dick Malone, head of Electrical Branch in Code 26, described for the benefit of the contractor representatives the electric power requirements of NWC and also the power requirements of other naval activities on the West Coast.

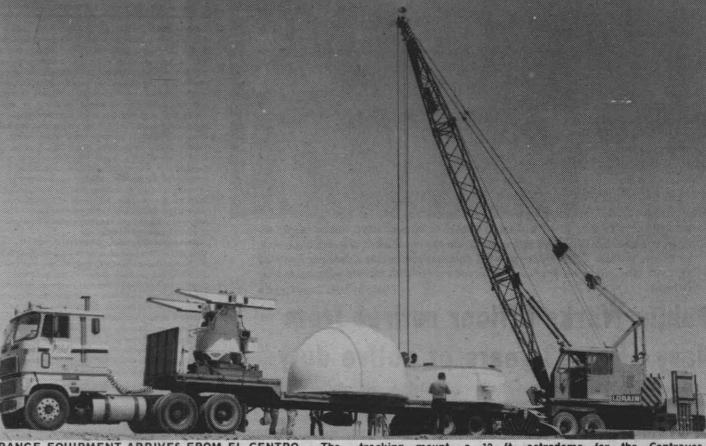
Geothermal energy is produced by subsurface fluids which are raised to the temperature of steam by the heat of the earth. The steam is used to turn turbine generators which produce the electricity. Expended steam is then returned to the ground to begin the cycle again.

The Military Construction Authorization Act of 1979 gave the Navy authority to develop such geothermal resources on feeowned land. The plan discussed here last week with private industry representatives calls for a private contractor to carry out (Continued on Page 3)



June 8, 1979

Vol. XXXIV, No. 23



RANGE EQUIPMENT ARRIVES FROM EL CENTRO - The first truckload of sophisticated camera equipment arrived here last week from El Centro for use in tests to be conducted at G Range by the Parachute Systems Department. The long trailer for parachute test work, but also for other tests over the NWC behind the truck cab carries (I.-r.) a Photo-Sonic Cine-Sextant ranges.

tracking mount, a 12 ft. astrodome for the Contraves cinetheodolite, and the lower half of the astrodome. Use of the Contraves camera will insure more accurate film data not only

# Movement of people, equipment from NPTR, El Centro, to China Lake now in full swing

Movement of both personnel and equipment from the National Parachute Test Range (NPTR) at El Centro (which is being disestablished) to the Naval Weapons Center is currently at the height of its activity in preparation for full operation of the

A WARM WELCOME - After a cross-country flight from Washington, D.C.,

Admiral A. J. Whittle, Chief of Naval Material, found both the weather and the

welcome warm late Tuesday afternoon upon landing at Armitage Airfield for a

meeting here of Commanders and Technical Directors of Navy Laboratories.

Admiral Whittle introduces his wife, Phyllis, to Bob Hillyer, NWC Technical

Director. Looking on are Rear Admiral William L. Harris (at left), NWC Com-

mander; Capt. F. H. M. Kinley, NWC Vice Commander; and (at right) Dr. James

H. Probus, Director of Navy Laboratories. Others who accompanied Admiral

Whittle here are Vice Admiral F. S. Petersen, Commander, Naval Air Systems

Command; Rear Admiral A. J. Baciocco, Jr., Chief of Naval Research; Rear

Admiral E. J. Otth, Deputy Chief of Naval Material (Acquisition), and Dr. Richard

Hoglund, Deputy Assistant Secretary of the Navy (Research and Advanced

-Photo by Ron Allen

(Code 64) by June 30.

According to John Crossley, an engineer in the NWC Test and Evaluation Directorate who has been designated head of the NPTR Relocation Office, the installation of highly sophisticated textiles engineering test equipment is basically complete in Michelson Laboratory, where it will be used by the engineers and technicians of Code 64's Textiles Engineering Branch as well as the NWC Engineering Department's Environmental Engineering Branch.

In addition, equipment for that portion of the textiles engineering work which involves the use of explosive components is being installed in the Salt Wells area.

At the present time, 48 civilian employees and 25 military personnel from El Centro have moved to China Lake. Another 26 civilian workers and 21 more military personnel are on the list of those definitely scheduled to move here, and plans call for hiring more civilian employees to fill vacancies and assigning additional military personnel here as well, Crossley said.

Temporary Dept. Headquarters

Buildings 3 and 4 at the old Dispensary are serving as temporary headquarters for the Parachute Systems Department pending the completion of work on the remodeling of the dormitory at 73 Bard St., which is to serve as Code 64's administration and engineering building. The contractor on this job (Bodi Buildings of Gardena, Calif.) is expected to finish up his work by the end of next week.

A new lighting system has been installed in the former dormitory building, the locations of some of the interior walls were changed, the inside of the building has been re-painted, and a 1,200 sq. ft. wood frame and stucco addition was built in the court-

Work also is underway and scheduled for completion around June 22 on a large stran steel building (pre-engineered and pre-

NWC Parachute Systems Department fabricated) that has been erected a short distance northeast of Hangar 3 at Armitage Airfield. Parachute packing tables and various types of sophisticated sewing machines brought here from El Centro will be installed in this structure, which also will house the Navy personnel who are the parachute test riggers and jumpers.

(Continued on Page 3)

### Power shortage may occur here during summer

The Naval Weapons Center may feel the effects of the March 28 accident at the Three Mile Island nuclear power plant in Pennsylvania.

Representatives of Southern California Edison Co. (SCE) have advised that the Sacramento Municipal Utility District's Rancho Seco nuclear power plant, a twin to the Three Mile Island plant, has been shut down while modifications to safety systems are being made.

If these modifications cannot be completed by early July of this year, SCE may be required to divert some power to utility companies in Central and Northern California. In order to release power generation capacity to offset this additional load, major electrical energy users in the SCE service area may be requested to voluntarily curtail electrical usage for a few hours during high peak demand

In that event, the Naval Weapons Center's voluntary load reduction plan will be implemented. Under this plan, electrical service to non-essential loads having negligible or no effect on the Center's mission will be interrupted for approximately two hours during the afternoon.



RETIRES AFTER 23 YEARS - Capt. Robert B. Wilson, NWC Public Works Officer, is congratulated on his retirement from the Navy after 23 years of service, by RAdm. William L. Harris (left), NWC Commander, during a ceremony on May 31. Capt. Wilson is looking forward to second career with private industry in New

graduate program of the California Oil

Company's Western Division in Denver,

he became the Officer-in-Charge of the

naval petroleum and oil shale reserves in

Colorado, Utah and midwest Wyoming

Seabee Assignments

U.S. Naval Mobile Construction Battalion

Five at Port Hueneme, Calif. - first as

executive officer and later as commanding

officer - and was then sent to Washington

D.C., to serve as Director of the Seabee

Division, Naval Facilities Engineering

A tour of duty as executive officer of the

Public Works Center in Norfolk, Va., then

followed prior to an assignment with the

Atlantic Division of the Naval Facilities

Engineering Command as acquisition of-

His decorations include the Bronze Star

Medal with Combat "V", a gold star in lieu

of a second such award, and the Meritorious

Capt. Wilson, who was born in

Washington, D.C., is married to the former

Patricia A. Ingle of Raleigh, N.C. They are

the parents of three children, Ellen, Eric

"I have had a great career in the Navy,"

Capt. Wilson said. "There are a lot of good

people at China Lake, who along with our

The captain also said that he was looking

Command, until May 1972.

Service Medal.

much."

For the next two years he was assigned to

After receiving this specialized training,

Colo., until May 1965.

# **Public Works Officer retires from** Navy after 23 years of active duty

A retirement ceremony was held on May 31 at the Naval Weapons Center for Capt. Robert B. Wilson, Public Works Officer at China Lake.

Capt. Wilson, who retired from the Navy after 23 years of service as a Navy officer, will be relieved as Public Works Officer and head of the Public Works Department, by Cdr. Jon Ives in late June. Cdr. Ives will report here from the Naval Facilities Engineering Command in Washington, D.C.

During the interim, LCdr. Bruce Jackson, who is slated to become head of the Geothermal Technology Branch (Code 2661), will serve as Acting Public Works Officer.

Capt. Wilson reported to China Lake in July 1977 after completing a specialized course as a student at the Naval War College in Newport, R.I.

He was commissioned as a line ensign in the Navy in June 1956, following his graduation from Duke University in Durham, N.C., with a bachelor of science degree in mechanical engineering.

Joined CEC in 1958

Assigned initially to duty at the U.S. Naval Station in Newport, R.I., Capt. Wilson completed the Civil Engineer Officers' School in 1958 and joined the ranks of CEC officers. Duties that followed were on the staff of the Commander, Services Forces, Atlantic Fleet, through 1960 and as Assistant Officer-in-Charge of Construction at the Naval Station, Roosevelt Roads, Puerto Rico, until July 1963.

Capt. Wilson then attended the University of Texas for a year, earning a master of science degree in petroleum engineering in forward to a second career with private August 1964. He then enrolled in the post industry in New Orleans, La.

Range Operations Division, Range Department. Duties will include planning assembly, installation, welding, esting; and modifications of complete structural and anical prototypes, or experimental and developmental models, or complete parts thereof, of track test vehicles, camera components, electrical or electronic or devices required in the track testing field. Job Relevant Criteria: Ability to perform work under normal superon; ability to perform theoretical, precise, and/or

artistic work of a trade; theoretical and practical knowledge of materials used in accomplishing the work required of the position; ability to understand and carry out verbal and written instructions, including blueprints in the manufacture of precision parts for assemblies and suband related equipment as appropriate to one or more lines of work. Supplemental required.

personnel. Status eligibles may apply.

Code 6202 — This position is located in the department staff office, Range Department. The incumbent will provide rical and typing support to various Range Department units. Duties will include preparing various types of Navy correspondence including Navy form letters, speed letters, and business form letters. Typing responsibilities will cover editing, format, spelling, punctuation, proper word usage and technical terminology. He or she will prepare time cards from time sheets prepared by supervisors, file time sheets, leave slips and prepare and file Overtime Authorization Sheets. Job Relevant Criteria: Knowledge of Navy correspondence format; ability to type accurately and efficiently; ability to deal with all levels of personnel. Promotion potential to GS-4.

Engineering Technician, GS-802-9, PD No. 7806001N Scheduling Office. This office provides the range, aircraft, airspace and frequency scheduling services within the Test nance hardware, airspace, ground space, radio frequency sage and safety considerations. The incumbent covered. The incumbent will gather requirements for Echo Range Scheduling, (4) Edwards AFB Scheduling,

position is that of internal auditor on the Internal Review Staff in the Office of Finance and Management. Incumben assists with planning, conducting, and reporting on appropriated and non-appropriated fund audits. Job Relevan Criteria: Knowledge of auditing; demonstrated ability to analyze data; ability to present findings and recommendations verbally and in writing; ability to deal effectively with others. Status eligibles accepted. Promotion

Mail/File Clerk, GS-305-2/3, PD No. 7808007, Code 0862 -This position is located in the Cost Accounting Branch, Financial Operations Division, Office of Finance and Management. Incumbent receives and distributes incoming mail and computer batch inputs; files; answers telephone; and aids accounting personnel within the branch. Job Relevant Criteria: Ability to index and file: ability to work independently; and ability to work effectively with others. Status eligibles accepted. File applications for the above with Terry George, Bldg.

34. Rm. 208, Ph. 3118.

Electronics Engineer or Physicist, GS-855-1310-12/13, PD No. 7939050, Code 39042 — GS-13 subject to position classification by NCPC. This position is located in the Harpoon Improvement Office, Anti-Surface Systems Program Office, Weapons Department. The incumbent will be responsible for system and sub-system integration of proposed Harpoon improvements into the basic Harpoon ile. Technically and managerially responsible for directing in-house and contractor efforts in the area of imaging infrared seekers and associated missile imments. Will direct in-house evaluations of contractor proposals and will make technical decisions regarding the proposed implementation of Harpoon improvements. Will responsible for directing in-house contractor analyses in support of the Harpoon Improvement Program, Job Relevant Criteria: Knowledge of imaging infrared theory; experience with imaging infrared seekers; knowledge of infrared materials and components, including domes, detectors, coolers, and optics; knowledge of infrared guidance and tracking techniques; knowledge of con tractor's capabilities to develop imaging infrared seekers; ability to communicate effectively, both orally, and in writing; administrative experience to the branch head or program manager level, or equivalent; willingness to travel frequently and work with contractors.

Clerk (Typing), GS-301-05, PD No. 7912003N, Code 1202 — Sunday

### **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. 2067. 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 096 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.

ability to work independently

Mechanical Engineer, GS-830-11/12, PD No. 7962040, Code 6211 - This position is in the Ballistics Test Branch in the Range Department's Ordnance Test and Evaluation Division. The primary duties of the incumbent are to conduct engineering studies and design major elements of specialized test equipment relating to the test programs conducted in the branch. Specifically, duties will entail analysis, design and validation of new missile propulsion lest programs. This will include test equipment and facility design. Job Relevant Criteria: Knowledge of rocket motor design including propellants; knowledge of test equipment design; ability to deal effectively with all levels of Center

Clerk-Typist, Intermittent, GS-322-3, PD No. 7762011N,

Code 06303 — This position is that of head, T & E & Evaluation Directorate. The incumbent will coordinate the use of personnel, equipment, facilities, aircraft, ordprepare and issue weekly and daily range schedules which present the program and project test plans for the periods range tests from (1) project engineers of the Test & Evaluation Directorate, (2) other Center departments, (3) and the Fleet via naval message. Job Relevant Criteria: Ability to deal with on and off Center personnel; ability to municate effectively both orally and in writing; ranges; knowledge of ballistic characteristics of rockets, projectiles, and guided missiles; ability to work efficiently under situations of stress. Promotion potential to GS-10.
File applications for the above with Bonnie Owens, Bldg.

Auditor, GS-510-7/9/11, PD No. 7708078, Code 0807 — This

Model Maker, WG-4714-14, JD No. 664N, Code 62222 — This is an INTERMITTENT position. Average weekly tour The position is located in the Track Operations Branch, of duty is 8-10 hours. Provides clerical support for the head of staff in the areas of personnel, supply, plant property forms control, facilities, communications, and records retention and disposal. Job Relevant Criteria: Knowledge of NWC procedures for each of the above listed functions

File applications for the above with Kitty Berry, Bldg. 34,

Secretary (typing), GS-318-5, PD No. 7924012N, Code 243 - This position is located in the Information and Interna Security Department. The incumbent furnishes secretarial support to the division head and branches by maintaining the calendar; screening office and telephone callers. reports, etc; making travel arrangements; filing, etc. Job Relevant Criteria: Ability to type efficiently and ac curately; ability to work independently; ability to exercise sound judgement; ability to work independently; ability to personnel of all levels; ability to work under pressure.

File applications for the above with Nancy Saxton, Bldg.

Electronics Engineer, GS-855-9/11/12, PD No. 7736043-1E, Code 3318 - Applications will be accepted from status eligibles. This position is located in the Microelectronics Branch, Sensor Systems Division, Fuze and Sensors Department. The incumbent will be responsible for the design and development of electronic devices, systems and equipment using microelectronic techniques. He will also be involved in the testing, evaluation and qualification of the items developed. Job Relevant Criteria: Knowledge of design and fabrication of digital and analog electronic circuits; knowledge of processing methods and design technique for fabricating thin and thick film hybrid circuits; ability to communicate effectively, both orally and

Electronics Mechanic, WG-2614-8/11, JD No. 567N, Code 3315 — Applications will be accepted from status eligibles. This position is located in the Design and Fabrication Branch, Sensor Systems Division, Fuze and Sensors Department. The incumbent constructs, modifies, and repairs electronic and electromechanical devices used in associated equipment. Job Relevant Criteria: Knowledge of electronic theory; knowledge of mathematics; ability to repair electronic equipment; ability to use electronic test oment; ability to do electronic troubleshooting; ability

Procurement Clerk (Typing), GS-1106-4/5, PD No. 625038N, Code 2521 - This position is located in the Procurement Management Branch, Procurement Division, Supply Department, Major duties include the processing of required paperwork for coordinated Center Procurements (RCPs). Job Relevant Criteria: Knowledge and experience pertinent to the position; ability to in with others; typing skills; ability to meet deadlines under

(Continued on Page 5)



#### DIVINE SERVICES

PROTESTANT

Sunday Worship Service Sunday School-All Ages Sunday School Classes are held in Chapel Annexes 1. 2. 4. (Dorms 5, 6, 8) located opposite the forme Communion Service first Sunday of the Month.

ECUMENICAL Wednesday Noon Bible Study Thursday Men's Prayer Breakfast

> ROMAN CATHOLIC MASS

1700 fulfills Sunday obligation Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135, Blessed Sacrament

CONFESSIONS 1115 to 1130 1615 to 1645 RELIGIOUS EDUCATION CLASSES

Pre-school thru 11th grade 1000 Above classes are held in the Chapel Annexes across from the former Center Restaurant. Sunday afternoon 12th grade As announced "In Home" Discussion Groups and Youth Rallies
Contact Chaplain's Office for specifics.

JEWISH SERVICES EASTWING-ALL FAITH CHAPEL Sabbath Services every Friday

UNITARIANS CHAPEL ANNEX 95 Services—(Sept. May)

China Lake Soccer Club loses hotly contested game, 3-1

In a hotly-played contest last Sunday at Lancaster, the China Lake Soccer Club came out on the short end of a 3-1 final score in a High Desert Soccer League game played against the Antelope Valley Independent team.

tempers got a bit frayed on both teams as the result of several incidents and what sideliners felt was poor officiating.

line by Karl Kauffman gave the China Lakers a 1-0 lead in the first half. The scoring play was started by some good passing between Kauffman and Dennis Pierce near midfield.

Kauffman Scores 1st Goal

Pierce passed the ball to Larry Tovinger, left wing, who ran into traffic as he crossed into the middle of the field. The ball came loose out of a crowd of players in front of the goal and Kauffman drilled it into the net.

On some great individual play, Manuel Carabjal, of the AV Independent team, came back to tie the game at 1-1. Repeatedly during the first half, Carabjal dribbled the ball past two or three defenders only to miss pointblank shots at the goal.

The score remained tied at 1-1 into the second half, when Carabial outmaneuvered two China Lake defenders and went in alone against Tom Veatch, goalie for the local team, and tallied again to give AV Independent a lead of 2-1.

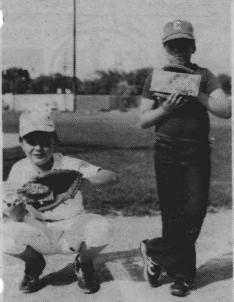
**Argument Delays Game** 

The China Lakers had a chance to tie the game on a penalty kick. Arguments over the official's call when Klaus Schadow was tripped by the AV fullback delayed the game for 10 min. After the verbal hassle, the penalty kick that normally would have been a sure goal for China Lake was missed.

of the game when Ramon Sanchez gathered in a long pass that was misjudged by a China Lake defender and blasted the ball past the goalie.

On the whole, the China Lakers played well, but were unable to capitalize on the breaks in the game that came their way. Tops on defense for the locals were John Piri and Greg Cote, while Kauffman and Pierce played well in midfield, and Steve Lee and Schadow were the pace setters on

On Sunday, the China Lake Soccer Club will travel to Edwards Air Force Base for another High Desert Soccer League game that is scheduled to begin at 2 p.m.



employee in the spotlight

"People have to learn not to burn and I feel that the best time to

teach them is when they are children," states Darrell Johnson,

Johnson, who is responsible for the overall fire prevention

program on the Center, takes his message to local area schools.

'About ten percent of these students will at one time or another

work at NWC. By giving them the basics of fire prevention when

they are young, when it comes time for them to graduate they

Although it may be difficult to teach "old dogs" new tricks,

Johnson and the five fire prevention inspectors conduct an

ongoing fire prevention program for all military and civilian

personnel at China Lake to eliminate fire hazards in homes, jobs,

In addition, Johnson develops special training courses for all

personnel employed in hazardous areas, such as the Coso

Geothermal Site, Laser Laboratory, Aircraft Survivability, China

Lake Propulsion Laboratories and at SNORT (Supersonic Naval

He is also responsible for the 5,500 fire protection systems in

1,500 buildings at NWC. These range from simple fire ex-

tinguishers to exotic carbon dioxide systems in computer

In carrying out these duties, Johnson received Outstanding

Performance Ratings in 1976 and 1978. He has also received

several letters of appreciation and quality salary increases since

While in the Navy here from 1963 to the latter part of 1966, he

Responsible for Reducing Fire Losses

increasing his personal knowledge in fire prevention through

Last April, Johnson was cited by his supervisor for constantly

Outstanding Ratings in '76 and '78

coming here as a Navy firefighter in April 1963.

1977 to his present position of fire prevention chief.

Fire Prevention Chief at the Naval Weapons Center.

should know what to do for fire prevention."

and places of recreation.

Ordnance Research Track).

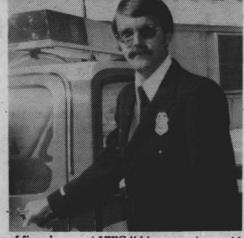
Service firefighter here.

facilities.

ROCKETEER

"My boys want to know where Sparky is when they visit the China Lake Fire Station..."

**Darrell Johnson** 



reduced the number of fires losses at NWC," his supervisor said. Just recently Johnson was elected to the post of second vice president of the U.S. Navy Fire Protection Association, whose members are senior fire officers serving at some 150 Navy and Marine Corps bases in the United States. The group is dedicated to the improvement and advancement of fire protection in the Navy. For the last three years, Johnson has served as program chairman for the association and is responsible for speakers and other aspects of the program at the group's annual meetings.

Johnson was graduated from Ten Broech Academy, a high school, in his home town of Franklinville, N.Y., before entering the Navy in September 1962. He received his initial firefighting instruction at the Navy's firefighting school in Philadelphia in 1963. Since then he has exhibited the desire to learn more about fires and fire safety.

#### **Teaches While Working for AA Degree**

During off duty hours he attended Cerro Coso Community College and received his associate of arts degree in June 1974. His major was fire science. During the same period, he instructed the fire science class at the college and continued doing so through

This teaching job involved spending many hours doing research and preparing material for the classes. "He periodically gives lectures on his own time, always ready and willing to help protect lives and property from fires," his supervisor added.

For the past several years, he has been the chairman of the Indian Wells Valley Fire Protection agencies. This group is made up of members of the U.S. Forest Service, Bureau of Land served as a firefighter at the Naval Air Facility fire station at Management, Kern County Fire Department in Ridgecrest and Armitage Airfield. Following his discharge from the Navy as a the NWC Fire Division. The group is dedicated to promoting fire Second Class Aviation Boatswain Mate, he was hired as Civil prevention in the valley.

He and his wife Pat, who is a computer programmer at NWC, Since 1966 he advanced from firefighter to lieutenant, then to have two sons, Christopher, 10, and Jeremy, 6. fire prevention captain, later to assistant fire chief and in April

One of the things the NWC fire station doesn't have is a mascot. "My boys visit the station now and then and they keep asking to see Sparky, the dalmatian dog who has become the symbol of fire prevention for fire departments throughout the United States. One of these days maybe I'll surprise them, if we are able to training, then passing his new knowledge on to division personnel. borrow one from a friend. As a matter of fact, Fire Prevention "His personal contribution to improving the overall fire Week is coming up in October. That would be a good time to have prevention program has been extremely effective, which has our own Sparky. . . ." Johnson mused.

### Spring season ends for Youth Soccer League teams

The spring season of Youth Center Soccer League, which attracted the largest number of players ever to compete in this rapidly growing sport at China Lake, ended last Saturday with five games played at Davidove Field.

The Strikers, who had been tied for first place in Group 1 of the American Division (for 3rd and 4th graders) won the championship of their group by defeating the Sting 3-1. Scott Hannon, Scott Piri and Jimmy Kight

each scored goals for the Strikers, with twice for the 'Quakes. Players credited with assists from Piri, Paul Grenier and Evan Serpanos, respectively. In another American Division game, first

place in Group 2 was clinched by the Lancers, who shut out the Timbers 4-0. Two Kibbe, Jonathan White and Brian Bartels. goals each by Nick Holzer and Chris Turner accounted for all of the scoring in this game.

Teammates responsible for feeding the ball to Holzer and Turner in order that they could score were Corey Trovinger, Scott Parmenter, Sean Freyne and Jonathan

#### Softball results. . .

(Continued from Page 6) 5-inning contest, and her teammates backed her up by also scoring single runs in the for the Fury was tallied by Phillip Walker. third and fifth innings and 3 more in the fourth.

The Flower Shop squad was held to 1 run each in the first, second and fourth innings. Express 7, and Fury 0. The game's leading hitters for the Ridgecrest Merchants were Anna Lipinski, 2 for 2 with 1 run scored; Laura Reymore, 2 5th, 6th and 7th graders), the Whitecaps hits in 3 times at bat, 2 runs scored and 1 coasted to a 5-0 win over the Kicks. runs scored and 1 RBI.

Final standings in the American Division (based on 2 points for a win and 1 point for a tie game) were: Group 1 - Strikers 10, Hurricane 9, and Sting 2; and in Group 2 -Lancers 9, Rogues 8, and Timbers 4.

The championship in the Pacific Division game between the Rowdies and Earthquakes, which the latter team won 4-0.

Jeremy Osburn and Todd Stephens scored one goal apiece and Matt Ziegler tallied assists on the scoring plays were Matt Mechtenberg (2) and David Shumway.

Defensive players who contributed to the shutout victory for the 'Quakes were Matt In another Pacific Division tilt, the Sockers, undefeated champions of Group 2, had a battle on their hands but managed to hold on to win, 2-1, over the last place Fury

John Duncan scored an early goal for the Sockers, with an assist by Marc Frisbee, and, later in the game connected on a penalty shot that provided the Sockers with their final margin of victory. The lone goal

Final standings in the Pacific Division were: Group 1 - Earthquakes 10, Rowdies 9, and Chiefs 2; and in Group 2 - Sockers 14,

In a game that had no bearing on the championship in the National Division (for

tallied by the Whitecaps, and was joined in working hours at 446-4794.

the scoring department by Kjrsten Haaland, Bruce Ferguson and Paul Wydra.

Tommy Legg and Wydra dominated the play in midfield for the Whitecaps and the victors' staunch defense around the goal was led by Vince Caffee.

Final standings in the National Division (for 1st and 2nd graders) was decided by a were: Tornadoes 8, Whitecaps 7, and Kicks

> More than 100 persons connected with the spring season of Youth Center Soccer League play will travel to the Rose Bowl in Pasadena tomorrow evening to attend a professional soccer game between the Los Angeles Aztecs and the California Surf.

> Final event of the season will be an awards picnic which will be held at McBride Park on Saturday, June 16, starting at 11

#### Assessments due from **GEBA, CLMAS members**

Assessments are now due from members of the Government Employees Benefit Association and the China Lake Mutual Aid Society following the recent death of Allen S. Robertson. This is assessment No. 469.

The deceased, a former employee of the NWC Public Works Department, died on June 1 in Apache Junction, Col.

The collection of assessments is being handled by Larry Mason, GEBA and CLMAS treasurer. They can be mailed to him at 1812 Young Circle, China Lake, CA

NWC employees interested in joining can obtain information on GEBA and CLMAS RBI; and Jo Maschhoff, 2 hits in 3 at-bats, 2 Seamus Freyne scored 2 of the 5 goals membership by calling Mason after

#### The Rocketeer Official Weekly Publication **Naval Weapons Center**

China Lake, California Rear Admiral William L. Harris **NWC Commander** 

> Technical Director Dr. Robert H. Pearson Head

**Technical Information Department** 

Don R. Yockey Editor **Ernest Suttor** 

**Beverly Becksvoort Editorial Assistant** 

Staff Photographer



Tuesday, 4:30 p.m Tuesday, 11:30 a.m

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Office of the Commander, Code 003. 3354,3355,2347

Not only was the weather warm, but

A shot into the net from the penalty area

AV Independent then scored its final goal



PITCHING PEANUTS - Stefan Humphrey (left), of the Pirates in the Minor League and Erik Wadelin of the Cubs in the Farm League, get ready to go out to sell peanuts as a fund-raiser for the China Lake Little League. Money collected by the peanut sales will be used for buying uniforms, replacement and repair of playing equipment, and replacement of safety equipment, such as batting helmets. Any Little Leaguer who sells a case of peanuts will be eligible to win a variety of prizes. - Photo by PH2 Tony Garcia



### **Details** announced of program for young golfers

A junior golf program (JPG) open to boys and girls between 11 and 18 years of age, has been inaugurated by the Special Services Division and the China Lake Golf Club.

For those youngsters whose parents already have a family membership in the China Lake Golf Club (CLGC), there is no additional charge for participation in the junior golf program

For non-Golf Club members, however, there is a schedule of monthly fees as follows: dependents of civilians, \$8 for one or \$11.20 for two or more in a single family; dependents of active duty or retired military officers, \$8 for one or more; dependents of petty officers E-6 through E-9, \$2,40 for one and \$3.60 for two or more: dependents of military personnel in grades E-1 through E-5, \$1.20 for one and \$1.80 for

By signing the junior golfer's application form, the youngster's parent or guardian agrees to maintain the junior membership for one year. If the junior golfer decides to dropout at the end of the summer program, then he or she may not participate in the winter program until the back fees are paid.

Fees Due 1st of Month Fees are payable to the "Navy Recreation

Fund" at the golf course on the first playing day of the month. Juniors will be issued a playing card which must be presented when the fees are paid. This card is also assurance of playing privileges at the China Lake golf course.

Beginning juniors will be required to take a series of golf lessons before playing on the golf course proper, or be certified by Paul Someson, the golf pro. The summer course will begin next Wednesday from 11:30 a.m. to 3:30 p.m. with a movie, "Welcome to Golf," and will require three weeks to complete.

The instructor is Someson, and classes will be held on Wednesday, Thursday, and Friday from 1:30 to 3:30 p.m.

Sessions will include "how to" movies on golf and discussions on gripping the golf club, stance, aiming, hitting the ball, and practice on the green.

### CPO Club's Golden Anchor tournament draws 92 golfers

A total of 46 two-member teams competed last weekend in the Chief Petty Officers' Club's ninth annual Golden Anchor Tournament on the China Lake golf course.

The three top teams at the end of 36 holes of play were Jim Peck and Hal Dauer with a low net score of 117, Bob Hooper and Jim Williams with a 118, and Bruce Bernhardi and Lou Henderson with a 121.

Peck and Dauer also posted the low net score of the tournament on Sunday with a 55, while Everett Yelland and Melborn Pettijohn were low on Saturday with a 57.

Awards also went to Jim Armstrong for getting closest to the cup on tee-off at Hole No. 8 on Saturday and to Elmer Davis for placing his ball nearest to the pin at Hole No. 17 on Sunday.

On Saturday, Donald Fraser and James Cantrell won the 9-hole horserace match in which the day's 10 low net teams competed.

There was a tournament dinner-dance at the CPO Club on Saturday night, and an awards ceremony and buffet followed tournament play on Sunday.



ROCKETEER

HEADED FOR HOME PLATE - Robb Ross churns toward home plate and another score for the NWC Blue team. Waiting for the ball, which got there too late to tag the runner out, is Tony Garcia, catcher for the NWC Gold team. The onlooker (with back to camera) is Roy Tefft, player-coach for NWC Blue, who had scored just ahead of Ross. The NWC Blue team triumphed by a score of 14-4 over its NWC Gold team opponents in this Admiral's Cup softball game.

### **NWC Blue team clinches Admiral's** Cup with victory in softball series

Players representing NWC Blue (Code 612) last Saturday clamped a hammerlock on the 1978-79 Admiral's Cup athletic competition by defeating their NWC Gold and VX-5 counterparts in softball games played at Schoeffel Field.

The Blue team, led by Roy Tefft, playercoach and first baseman, pounded out a 14-4 win over NWC Gold in the second game of the three-team matchup, and then knocked off VX-5 in a high-scoring contest by a final tally of 20-11.

In the curtain-raiser on the Admiral's Cup softball competition VX-5 shut out NWC

With one win apiece on the part of NWC Blue and VX-5, it took game No. 3 to decide the Admiral's Cup winner in softball.

The VX-5 Vampires got off to a fast start and piled up a 10-5 lead after two full innings of play. After that, however the NWC Blue team began to click on defense and held the Vampires to 1 run on 2 hits and a walk for the remainder of the 7-inning contest.

The Vampires tallied twice in their first time at bat against the NWC Blue team, and added another 8 runs in the second inning before their opponent's defense cooled them off and allowed them just 1 more run in the sixth inning.

Scoring at a steady pace, the NWC Blue team tallied 2 runs in the first inning, 3 each in the second and third, and went ahead with a 5-run surge in the last half of the fifth

The NWC Blue team then clinched the victory with a 7-run outburst in the sixth



SAFE AT FIRST — Umpire John Smith keeps an eye on the play as Doug Cade, centerfielder for the NWC Blue team. beats out a throw to first base in the Admiral's Cup softball game between NWC Blue and NWC Gold. First baseman for the Gold team is Dave Merrill.

inning to pull away to a 20-11 win.

Leading hitters for the NWC Blue team in the game against VX-5 were Jim Carr, third baseman, who had 2 doubles and a home run with a runner on base to give him 3 RBIs, while Debbie Williams, the NWC Blue catcher, hit 3 singles that accounted for 4 of her team's 20 runs.

In addition, Tefft's 2 singles and a double produced 2 RBIs, and Fred Schlosser, who played the rover position for NWC Blue, was credited with 4 RBIs as a result of a sacrifice fly, a single and a double.

Rico Ward, pitcher for the NWC Blue team, hit 2 singles and a double; Doug Cade, centerfielder, also hit a double, while Marty Lamaak hit 2 singles and a double, and Danny Zint collected 2 singles.

#### **Big Advantage in Hitting**

All told, the NWC Blue team outhit the VX-5 Vampires by a total of 25-10 in the Admiral's Cup softball championship game.

The first game of the Admiral's Cup softball series was called after 41/2 innings of play when the 10-run lead rule was invoked with VX-5 on the long end of a 13-0

The Vampires outhit NWC Gold 11-3 enroute to a shutout win. Two singles by Colleen McKenzie accounted for all except one of the hits for the NWC Gold team.

As for VX-5, David Stein led his team's hit parade with a single and a triple that produced 4 RBIs, while Steve Guillion and Kevin Mason each hit 2 singles and drove in

After three innings of play, the Vampires had built up a 7-0 lead and then tallied 6 more times to put the final crunch on the NWC Gold in the fourth inning.

Gold Team Improves Some

The NWC Gold team did a bit better by scoring 2 runs each in the second and third innings of the game between NWC Blue and Gold, but the Blue team dominated by piling up a 10-4 lead after the first three innings of play, and added another 4 tallies in the fourth inning making it possible to call the game after 41/2 innings of play by again invoking the 10-run lead rule.

Hod Wells, with 2 singles, was the leading batter for the NWC Gold team, but his efforts at the plate were no match for those of NWC Blue's leading hitters. Tefft collected 2 singles and a triple (4 RBIs), Lamaak also had 4 RBIs as a result of a double and a triple, and Bob Ross drove in 3 runs with his

Point standings in the Admiral's Cup competition, with just one more event to go after last Saturday's softball series, are: NWC Blue in first place with 41, NWC Gold second with 30, and VX-5 trailing with 27.

### Holiday cuts into Intramural League softball schedule

Because of the Memorial Day holiday on Monday of last week, just three games were played in the men's and women's fast pitch divisions of the China Lake Intramural Softball League,

The Raiders, who have yet to lose a game, have a stranglehold on first place in the men's fast pitch division. They ran their victory string to nine in a row last week by outscoring the Fuller Masonry team 9-5.

Bob Beecroft, the Raiders' leading hitter, started things off with a solo home run in the first inning. This was followed by singles hit by Marty and Mark Stoner, and a homerun by Al Avarado that cleared the bases and added up to a 4-run lead for the Raiders.

After scoring a single run in the fifth inning on a hit by Mark Stoner, the division leaders put the game on ice when they took advantage of errors on the part of the Fuller Masonry team to score 4 more runs in the sixth inning

Fuller Masonry got on the scoreboard with a homerun by Harlan Hersley in the first inning, tallied once more in the fifth and scored three runs in the sixth inning to reduce the Raiders' final margin of victory to 9-5.

5-Run Rally Wins Game

In the only other game to be played last week in the men's fast pitch division, the Sports Etc. team staged a 5-run rally in the sixth inning to post an 8-5 win over Nelson

The Nelson Auto nine scored 3 runs in its first time at bat, but the count was even at 3-3 when the Sports Etc. team duplicated this feat with 3 runs of its own in the second

A single run in the fourth and another in the fifth gave the players for the Nelson Auto team a 5-3 lead and visions of winning their first league game of the season. At that point, however, the roof caved in on the division cellar-dwellers, who gave up 5 runs on a double by Cliff Paine and singles by Mark Gritton and Drew Martin of Sports Etc. in the sixth inning.

The undefeated Ridgecrest Merchants romped to an easy 13-3 win over the Flower Shop team in the women's fast pitch division of the China Lake Intramural

It was the only game played last week in this division since a scheduled contest between Pizza Villa and Comarco resulted in a forfeit win by Pizza Villa over the Comarco team, which has dropped from the

The Merchants wasted no time taking charge in their win over the Flower Sho team as they galloped to a commanding 8-1 lead in their first time at bat

Line Scanlon, the Merchants' winning pitcher, gave up just 1 hit in the abbreviated (Continued on Page 7)

Men's Fast Pitch Div.

Won Lost

China Lake Intramural Standings as of June 1:

Team

Raiders

Fuller Masonry Sports Etc. Nelson Auto Women's Fast Pitch Div. Ridgecrest Merchants Pizza Villa . Mary Sue's . Flower Shop Charlie Browns CSC .... Comarco Slow Pitch (American) Homestead ARCS . Blacksheer Bird Olds . Blackiacks CMCI ... NWC O's Time Out James Gang Pizza Villa Cobras ...



-Photo by Gene Edwards

GEOTHERMAL AREA INSPECTED - Prospective bidders from private industry interested in learning about submitting bids on development of geothermal energy sources on the Naval Weapons Center look over one of the locations where a test well has been dug and capped off. This particular test well, known as Coso Geothermal Exploratory Hole No. 1, was drilled for the Department of Energy to a depth of 4,824 ft. It demonstrated commercial temperatures of 387 degrees F. In the background are two inactive volcano peaks that make this a prime area for geothermal energy exploration and development.

### Proposals sought for geothermal development.

(Continued from Page 1) further exploration of the Coso Known Geothermal Area, develop the field, and operate a power plant to produce electricity for the Navy.

June 8, 1979

In the final environmental impact statement prepared for the Navy land, it was proposed that a contractor develop the geothermal resource over a five year period using four drilling rigs in almost continuous operation and spacing out the wells at 40acre intervals.

During the afternoon of the first day of the visit by prospective bidders on the development of the Coso geothermal area, Capt. Wilson advised them on some of the constraints that contractors would be required to consider in submitting their technical proposals, and Dr. Austin and Dr.

#### New department. . .

(Continued from Page 1)

For the remainder of this month and also throughout July, equipment from El Centro that will be installed in the parachute drop zone on G range at NWC will be moving here in a steady stream of heavily loaded truck trailers. Transportation equipment has been borrowed and commercial drivers hired to augment the number of government truck drivers available in order to expedite the move, Crossley said.

The first truckload of this equipment arrived in the middle of last week and is now being installed at one of six new camera stations in the range area. Contraves cinetheodolite cameras, Photo-sonic Cine Sextant tracking mounts, and domes to enclose them are included in the equipment that is being brought here from El Centro.

Three Aircraft Involved

Also part of the equipment transfer is the move of three aircraft. They are a C-117 Skytrain transport, a modified YF-4 Phantom fighter, and an A-3 Skywarrior bomber which will be added to the inventory of airplanes maintained and operated by the NWC Aircraft Department. The YF-4 and A-3 were transferred to NWC last week. The C-117 is expected by June 15.

The C-117 will be used to deliver live jumpers and dummy payloads and small can fire test ejection seats and externally stored payloads at speeds up to Mach 1; and the A-3 delivers live jumpers, dummy payloads and bomb bay-carried vehicles at higher speeds (over 300 knots) and at altitudes up to 45,000 ft.

In addition, such NWC aircraft as the H-1 "Huey" helicopter, the A-4 Skyhawk and the OV-10 "Bronco" will be used to launch test objects and jumpers, as well as provide airborne photo coverage.

James Whelan, of the Geothermal Utilization Division, had more information for the representatives of private industry regarding the results of the test drilling that already has been done. John DiPol, head of the NWC Range

Department, eleborated on use of the test ranges in the Coso area and what precautions would have to be exercised in order to insure contractor safety and compatible use of the area by the Navy. In addition, Tom Dodson, head of the

NWC Environmental Protection Office, and Tilly Barling, head of the Natural Resources Management Office, reported on the requirements for preserving the air and water quality and the natural and cultural resources of the Coso area during any geothermal energy development work.

**Pre-Proposal Conference Slated** The next step after last week's briefings and inspection tour of this major geothermal resource will be a pre-proposal conference on June 27 at the Western Division Headquarters of the Naval Facilities Engineering Command in San Bruno, Calif.

According to Les Saxton, Coso program coordinator in the NWC Public Works Department, the representatives of private industry expressed considerable interest in the proposed development of the Coso geothermal area - both during briefings that were held in Michelson Laboratory and Office in San Bruno.

Staff Judge Advocate from Cdr. Marv Cowell, who will be retiring on June 15 after

LCdr. Patterson served on the staff of the Navy Legal Service Office in Washington, D.C., as chief defense counsel and legal assistance officer for 16 months before

Commander, Iceland Defense Force, from November 1976 to November 1977. He had Keflavik, Iceland, the previous year.

## **Traditional Flag Day ceremony set** next Thursday by Ridgecrest Elks

A Flag Day program, commemorating Robert Campbell, past state chairman of the 202nd anniversary of the adoption of the the Pearl Harbor Survivors' Association, American flag, will be held next Thursday, whose topic will be "The American Flag June 14, starting at 6 p.m. at the Ridgecrest and What It Stands For." In addition, there Elks Lodge, 201 E. Church St.

The event is open to the public and all banners of their organizations.

Linda Niccum and joined by hard-of- will be read by Fred Whitnack. The latter is hearing special education students from a former vice-president of the Inland Richmond Elementary School, will be District of the Elks Lodge, and a past singing the "Pledge of Allegiance" ac- exalted ruler of the Ridgecrest Elks. companied by sign language.

Lodge No. 1913, BPOE, will preside over the Flag Day ceremony. Shearer is employed in the NWC Range Department's Telemetry

Principal speaker for the evening will be

during their visit by bus to the site where test wells have been drilled.

Two out-of-state firms - D.S.S., Inc., of Fort Lauderdale, Fla., and Phillips Petroleum in Reno, Nev. - sent representatives here to learn more about the opportunity for exploration and development of the Coso geothermal energy

**Industry Well Represented** 

From within California, private industry representatives were here from Westec Service of San Diego, the Geothermal Division of Union Oil in Los Angeles, Keller and Gannon of San Francisco, D.M.J.M. of Los Angeles, C. S. Braun and Co. of Alhambra, Ebasco Services of Newport Beach, Hydrothermal Energy Corp. of Los Angeles, Chevron Resources of San Francisco, International Engineering, also of San Francisco, and a Southern California Edison Co. representative from the public utility's branch office in Ridgecrest.

The State of California was represented by officials from the California Energy Commission, Department of Water Resources, and Department of Conservation. Also on hand were representatives of the Los Angeles Department of Water and Power, the U.S. Bureau of Land Management, and both the Washington office of the Naval Facilities Engineering Command and NAVFAC's Western Division

will be brief remarks by Don Chieze, Mayor of the City of Ridgecrest.

local veterans' and fraternal groups are The ceremony will begin with the posting invited to participate by sending of colors by members of the local chapter of representatives who will be stationed the Pearl Harbor Survivors' Association, around the lodge meeting room with the and a performance by the NWC Sidewinder

The program will include a pageant of Eagle Scouts from throughout the local American flags that have been flown during area will participate in the program by various times in this nation's history, and carrying replicas of American flags that the construction of a floral liberty bell by have flown during the past 202 years and, as Elks Lodge officers. In addition, the Pierce they march into the meeting room, an ac-Elementary School chorus, directed by count of the history of the American flag

One of the traditions of the Elks Lodge John Shearer, exalted ruler of Ridgecrest Flag Day ceremony is the ritual of burning old and worn out flags. Lois Galvin, from John M. Armitage Post No. 684 of the as the Secure Telemetry Program Manager American Legion, will be in charge of this activity, assisted by local Eagle Scouts.

Individuals or groups who have worn and tattered American flags are invited to bring them to the Ridgecrest Elks Lodge to be disposed of in the proper manner at the conclusion of the Flag Day ceremony.

The flag burning, followed by the playing of "Taps," will conclude the Flag Day ritual, which is being arranged by Richard

### Due to big response workshops limited to women only

Because of an overwhelming response from persons interested in the workshops planned by the Federal Women's Program Committee on June 13 and 14, only women will be allowed to attend.

The committee reports that the quick return of questionnaires has been gratifying and regrets to announce that it will be necessary to ask that only women attend.

Women are also asked by the committee to attend only one workshop of their choice in order that as many as possible may attend the programs.

The committee also announced that the programs will be videotaped and the taped sessions will be shown at a later date. At that time men and women who were unable to be present on June 13 and 14 will be able to view the videotaped presentations.

There will also be evening showing for those who are unable to leave their offices during the day. Equal Employment Opportunity credit will be given to those who

# LCdr. Patterson is new Staff Judge Advocate

earlier this month to take over the duties of 36 years of naval service.

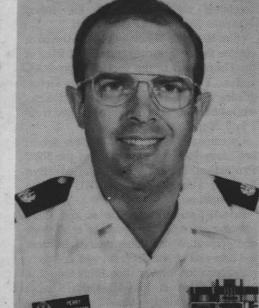
reporting to the Naval Weapons Center.

Before that he served on the staff of the been the legal officer at the Naval Station in

LCdr. Patterson entered the Navy as an test vehicles at lower airspeeds; the YF-4 enlisted man in February 1962. He was serving at the Naval Supply Corps Officers' School in Athens, Ga., as a third class radioman when he was commissioned as an ensign through the Reserve Officer Candidate Program in February 1966. He had earned a bachelor's degree in business administration, majoring in economics, from the University of Georgia in Athens in

> His first assignment in the Navy as a line officer was aboard the amphibious tran-

LCdr. Perry Patterson arrived here sport ship USS Frances Marion. Two years LCdr. Patterson received his doctor of later he went to Vietnam for about a year before leaving active duty in July 1969 to attend law school at the University of South Dakota in Vermillion, S.D.



LCdr. Perry Patterson

jurisprudence degree from USD in June 1972. He was recalled to active duty with the rank of lieutenant in March 1973 and was assigned to the Naval Air Station, Patuxent River, Md. Shortly after reporting aboard, he was frocked as a lieutenant commander. He served there until reporting to Iceland in November 1975.

Although he requested duty at China Lake, LCdr. Patterson says that his first impressions of what the desert is like were mostly bad. "I arrived in the middle of the biggest wind storm of the century and it has been hot ever since," he said.

LCdr. Patterson is an amateur star gazer and plans to join the local astronomy club in the near future. He and his wife, Jackie, will live in quarters aboard the Center.

Cdr. Cowell and his wife, C.J., are on vacation, but will return on Friday, June 15, for his retirement ceremony. He expects to live in Ridgecrest for at least a year until his son, Charlie, 17, graduates from Burroughs High School. Cdr. Cowell is a licensed real estate broker and plans to become a member of the California Bar.

June 8, 1979



OFFICER PROMOTED - Mrs. Stacy Messinger pins on her husband's new collar insignia of lieutenant during a recent promotion ceremony officiated at by Rear Admiral William L. Harris, NWC Commander. Lt. John C. Messinger, SC, USN, has served as Food Services officer here since reporting from the submarine tender USS Holland in September 1978.

Weapons Center and Cerro Coso College

Dr. Ralph Meuter and Charles Ur-

and Dr. Roy Dull, dean of Graduate and

Extended Studies, and Dr. Laird Taylor,

chairman of the Mathematics Department,

Also here was Dr. Don Fletcher, from the

Center officials and employees who met

with the educators were Dr. Marguerite

Rogers, head of the Systems Development

Department; Capt. W. B. Haff, Deputy

Laboratory Director; Steve Sanders,

associate head of the Personnel Depart-

ment; Clara Erickson, head of the Per-

sonnel and Organization Development

Division in Code 09; Vicki Munro, the

Personnel Department's coordinator for all

academic programs; and Karen Higgins, an

electronics engineer who is employed as a

computer specialist in the Avionics Branch

Cerro Coso Community College officials

present to join in the discussion about the

bachelor's degree program in computer

science were Dean Richard Dodge, Dean

Roe Darnell, James Sirman and Roy

School, June 18-22

Weapons Center's All Faith Chapel.

Congregation.

Plans have been announced for the 1979

Vacation Bible School that will be held

during the week of June 18 through 22 by the

combined congregations of the Naval

"I'm His, He's Mine" will be the theme of

classes that will be held in the East Wing of

the Chapel and in the various Chapel An-

nexes. Youngsters in elementary school

grades will meet from 8:30 to 11:15 a.m.,

while junior high sessions are planned from

Coordinators of the Vacation Bible School

In addition to Bible stories and Bible

learning activities, there will be craft work

the interests of the different age groups.

Registration for Vacation Bible School is

of the Electronic Warfare Department.

Chancellor's Office of the California State

both from Cal-State Bakersfield.

University in Los Angeles.

### BA program in computer science in works at China Lake in fall

A series of meetings were held here foregoing with representatives of the Naval recently for the purpose of getting the ball rolling on setting up a bachelor's degree program in computer science at the Naval Weapons Center by the start of the coming

This new program will be a cooperative effort between California State University at Chico, Cal-State Bakersfield, Cerro Coso Community College and NWC.

The eventual goal is to establish an external degree program with the baccaulaureate degree to be awarded by Cal-State Chico.

At the present time, Cal-State Chico is offering a master's degree program in computer science under an external degree program at NWC. The new academic program is to be an expansion of this program which is already in operation.

### Day camp for Cub Scouts to be held at CPO Club grounds

The Chief Petty Officers' Club grounds and pool will be the setting for a Cub Scout day camp that will be held Monday through Friday, June 11 to 15, from 8:30 a.m. to 1

The work of gathering the various supplies and equipment that will be needed has Kennedy been handled by Lynn Hutchinson and Norm Wiseman, while Mary Wiseman will Plans announced for

The Cub Scout day camp this year will be '79 Vacation Bible limited to 50 boys. However, if enough interest is shown by parents another day camp will be held in August to accommodate Cub Scouts who were unable to attend next week's program.

The theme of the day camp will be "My Land Is Your Land" with the first day based on George Washington, the second on Davy Crocket, the next on Tom Edison, the following on Babe Ruth, and the final day on Neil Armstrong.

There will be fire making demonstrations, arts and crafts, and game periods, plus swimming every day in the CPO Club pool.

Cost of the week-long day camp is \$5. To make reservations, parents are asked to are Larry Parrent, a member of the NWC telephone Mrs. Wiseman at 375-8792. Protestant Congregation, and Marilyn Koelsch, a member of the NWC Catholic

#### Motorcycle safety class to be held on Saturday

A motorcycle safety class for dependents will be held on Saturday, beginning at 8 and recreation programs geared to meet a.m., at the Safety Bldg., on the corner of Nimitz and Hussey Roads.

being handled at the All Faith Chapel The course is required before persons can following regularly scheduled religious be authorized to ride off road motorcycles on the Naval Weapons Center. services.

# Edison Co. offers positive steps to cut year-round energy consumption

take to conserve energy, courtesy of the Southern California Edison Co.

DO — Minimize usage of electrical energy between the hours of 12 noon and 6 p.m. Try to schedule baking, washing, drying, hair drying, etc. in the morning or evening. Not only will this help in the distribution of electrical power but keep the home cooler during the summer

DO — Watch your thermostat. Set for 78 deg. F. in the summer, 68 deg. F. on winter days, and 55 deg. F. on winter nights.

DO — Open up home and use "natural AC" on pleasant evenings during the

DO — Draw drapes in summer to keep

DO - Draw drapes in winter to keep heat

### Classical music station FM radio booster back on air

The FM radio booster for KFAC-FM (the classical music station) is back in operation now with a new transmitting antenna capable of providing stronger-than-ever

According to information received from the board of directors of the Indian Wells Valley TV and FM Radio Booster System, banowicz, dean and associate dean the KFAC booster had been off the air for about two weeks prior to May 31 due to an respectively, of the office of Regional and Continuing Education at Cal-State Chico; antenna failure.

Judging from the number of telephone calls received by the directors of the community-owned TV and FM radio booster system, it's a very popular radio

At the same time that a new transmiting antenna was installed for KFAC-FM radio, improvements also were made to the Radio Station KOTE and KOST boosters in order to increase their signal strength in the local

These repairs and modifications also resulted in an improvement in the performance of the Channel 13 TV translators. Work such as this is made possible by the financial support of local residents, who are asked to contribute \$10 per household per year to cover the general operation,

and FM radio booster system. Contributions, which are tax deductible, should be sent to the IWV TV Booster, P.O. Box 562, Ridgecrest, Make checks payable to "TV Booster."

maintenance and improvement of the TV



Photo by PH2 Tony Garcia NO SWEAT - B. W. Havs, NWC Deputy Technical Director, is all smiles as he climbs out of the cockpit of a T-38 jet aircraft after his first flight in a tactical jet. Capt. W. B. Haff, NWC Deputy Laboratory Director, was the pilot of the flight which was held in a continuing effort to expose management level personnel to the real world under which weapons are utilized at China Lake.

Here are some positive steps that you can DO - Turn off evaporative cooling during

DO - Turn down heating to minimum temperature setting during vacations. DO — Limit use of electric heaters.

DO - Have all water leaks repaired, particularly hot water leaks.

DON'T hose them. DO - Rinse dishes in dishpan; DON'T use

DO - Sweep driveways and sidewalks;

DO - Take advantage of every bit of heat that the range produces. Have pans on burner before heat is turned on. DON'T boil a whole pan of water when you only need a

DO — Use lids to the pans.

DO - Bake and broil from cold start.

DO - Turn off oven approximately 5 min. before cooking time has elapsed.

DO - Allow foods to cool before placing in refrigerator.

DO - Defrost when freezer frost builds up

DO - Keep refrigerator condenser coils

DO - Set refrigerator to warmer temperature while on vacation.

DO - Turn off lights when not in use.

DO - Turn off TV when not in use. DO - Decorate interiors with light

colors, when possible DO - Use smaller light bulbs where

DO - Keep light fixtures clean for higher

DO - Run only full loads in washers and DO - Use cooler cycles on washer and

DON'T overdry. DO - Use solar drying when possible;

clothes smell fresher. DO - Clean lint filter after each use of

Last but not least, DO treat your spouse to a candlelight dinner frequently.

### Revised hiring rules to speed selections for clerk-typists jobs

Under revised hiring procedures for positions of clerk-typist GS-2, -3, and 4 at the Naval Weapons Center, candidates who have passed the clerk-typist examination and have a notice of rating issued within the last three years for clerk-typist with a numerical rating score of 85.0 or above may be eligible for direct appointments as fulltime or intermittent career conditional or

The revised procedures are intended to speed up the selection process and reduce paperwork in hiring clerk-typists.

To be considered for available clerktypist positions at the GS-2, -3 and -4 levels, applicants should submit their notice of rating (including a score of 85.0 or above) with a complete SF-171 Personal Qualifications Statement, to the receptionist in the Personnel Department Office.

### Talk on experiences in Iran slated at Navy League meeting

John and Pat Leopard, survivors of the recent Iranian revolution, will be the guest speakers at the monthly meeting of the Indian Wells Valley Council of the Navy League on Thursday, June 14, at the Hideaway restaurant in Ridgecrest.

The Leopards, who have lived and worked in Iran twice - first with the Computer Sciences Corp. and the last time with Bell Helicopter International, will talk about their experiences in Iran.

The Navy League meeting will start with a social hour at 6:30 p.m., followed by a steak dinner served at 7:30. The deadline for reservations, which may be made by calling 377-4276, 446-5914 or 446-5514, is Sunday. Visitors are welcome.



ACCEPTS CHECK - Ms. Navy Relief contestants Billie Cantrall (left) and Joy Graczyck accept a \$100 donation to the Navy Relief Fund Drive from Del Crane (Code 6123), a member of the board of directors of the Exchange Club of Ridgecrest. The Exchange Club is a chapter of a National Exchange Organization and its members are local businessmen and managers. The club has donated such items as life support equipment used to meet the emergency needs of Indian Wells Valley residents. Continuing programs for the benefit of the youth of the local area and crime prevention efforts are two of the other major areas in which the Exchange Club of Ridgecrest is involved.

## **Donations to Navy Relief campaign** pick up as drive enters final week

Donations to the Navy Relief Fund Drive p.m., Saturday, at the Burroughs High at the Naval Weapons Center picked up last week with a total of \$1,331 collected. This increased the total amount of individual contributions to \$3,248.95.

Another \$1,654 has been given by clubs and organizations in the area for a grand total of \$4,902.95 collected in this year's

With the drive extended through Wed- \$9,500 to Navy personnel and their depennesday, June 13, LCdr. Ted Faller, fund drive co-chairman, expects contributions to exceed the \$6,500 given last year.

As of Monday, 410 military contributors had donated \$1,147.45, while 1,077 civilian contributors gave \$2,101.50.

LCdr. Faller said that the race that will determine who will earn the title of Ms. Navy Relief is very close with as few as 15 votes separating the two top leaders. efore the VX-5 vs. NWC officers' slow pitch tributions received in the campaign, softball game.

The softball game is now scheduled for Thursday, June 14, at 2:30 p.m. with spectators welcome to attend. The lineups were unavailable at press-time for THE File applications for the above with Susie Cross, Bldg. 34, ROCKETEER; however, LCdr. Faller said Rm. 210, Ph. 2371. both teams would field a full slate of

Turn-ins from the various departments have included the following: Code 00 / 01 / 02, \$83; Code 03, \$162; Code 08, \$75; Code 09, \$42; Code 12, \$78; Code 21, \$276; Code 23, \$75.50; Code 24, \$46; Code 25, \$221; Code 26, \$239; Code 31, \$402.50; Code 32, \$61; Code 33, \$69.50; Code 35, \$29; Code 36, \$181; Code 38, \$80.50; Code 39, \$55; Code 06, \$15; Code 61, \$361; Code 62, \$174; Code 64, \$70; ode 93, \$66; Code 94, \$116; Code 95, \$12.50; and VX-5, \$258.45.

The above figures include a \$10 contribution to Code 21 by Radio Station KLOA in Ridgecrest, and \$100 contributed by the Exchange Club of Ridgecrest to Code 61.

Other contributions have been received from the Women's Auxiliary of the Commissioned Officers' Mess from the peration of the Thrift Shop, \$1,420; from a Meyers, \$212; and a \$10 contribution from Baker Bros. Furniture Store.

In addition, a large donation is expected from the Ballet Arts Theatre performance checkout processes including real-time tactical avionics: for Navy Relief. This event will be held at 7 ability to prepare detailed project plans and budgets.

School lecture center. Tickets are priced at \$3 for adults, \$2 for

senior citizens and high school students, and \$1 for young children. Those who haven't already purchased tickets may do so at the door on the evening of the performance. LCdr. Faller disclosed this week that the

Navy Relief Society here loaned a total of dents in emergency situations last year. Navy Relief gives financial assistance to

Navy people in the form of an outright grant, a loan without interest, or a combination of the two, depending upon the ability of the individual to repay a loan in his or her particular circumstances.

Money collected at NWC will be used to help needy Navy people by providing direct services, such as outright grants, relief in Consequently, the winner of the contest may kind, and visiting nurse services. The cost not be decided until the last vote is in just of these services often exceed the con-

### Cdr. McCarthy replaces Cdr. Davis as head of Aircraft Support Division

Cdr. Robert G. Davis as head of the Aircraft 1963, served in fighter squadrons VF-143 Support Division of the Naval Weapons and VF-102 at the Naval Air Stations, Center's Aircraft Department.

some 29 years service as a naval officer on aircraft. career in private industry.

McCarthy will be responsible for the the Mediterranean. providing installation services for RDT&E ship's air traffic control officer. This was

Cdr. McCarthy was transferred to NWC from Composite Squadron Five (VC-5) at Cubi Point in the Philippines, where he spent two years serving as Officer-in-Charge of a VC-5 detachment, then as squadron operations officer upon consolidation of the squadron in 1978.

The 16-year Navy veteran, who was Fire fighters'

### women's auxiliary installs officers

The Desert Flames, women's auxiliary of the fire fighters at China Lake, installed new officers during a recent meeting held at the Hideaway restaurant in Ridgecrest. The new officers are Tomya Stensaas,

president; Dodi Holly, vice president; Linda Jester, secretary; and Diane Guilmette, treasurer. The group's outgoing president is Dottie Whitnack.

The Desert Flames have a membership of followed by 21/2 years at the Naval Air

Last year they operated snack bars at tical air warfare officer. China Lake Intramural League softball The Oakland, Calif. native has about 2,500 County Fire Department in Ridgecrest, and variety of aircraft. to the Tri-County Ambulance Service.

persons trapped inside a vehicle after an enjoy it," he said.

Fund-raising activities scheduled by the 8, will live in quarters aboard the Center. Desert Flames during the months ahead include a spaghetti dinner and a bazaar in portion of any money brought in for a insurance, you can later change your mind scholarship award that will be presented to and re-enroll, but only if you have been out some deserving high school graduate who of the program for at least one year, are is the son or daughter of a local fire fighter. under 50, and pass a physical exam.

Cdr. Michael J. McCarthy has relieved graduated from the Naval Academy in June Miramar, Calif., and Oceana, Va., Cdr. Davis retired from the Navy after respectively, flying F4 "Phantom" jet

Thursday, May 31. He reported to China While with VF-143, he made a cruise Lake in August 1977 and has left for Pensa- aboard the aircraft carrier USS Ranger to cola, Fla., where he will begin his second Vietnam and his service with VF-102 included deployment with the squadron As Aircraft Support Division head, Cdr. aboard the aircraft carrier USS America to

maintenance of all aircraft used by NWC Cdr. McCarthy also was sent to Southeast projects for research, development, test Asia on board the aircraft carrier USS Coral and evaluation (RDT&E) and also for Sea during a two-year assignment as the



Cdr. Michael J. McCarthy

23 women - all wives of Fire Division Development Center, Warminster, Pa., personnel at the Naval Weapons Center. from 1971 to 1974, as air systems and tac-

games to earn money for the purchase of flight hours of which 800 hours are in the F4 burn packs that were donated to the Phantom, 600 in the A4 Skyhawk, 400 in the Ridgecrest Community Hospital, the Kern T2 Shooting Star, and the balance in a

During his three-year tour here, Cdr. In addition, the group donated \$500 McCarthy hopes to get in as much flight toward the purchase of a "jaws of life" time as he can. "I am looking forward to my device used for prying open doors to enable duty here. I'm sure my family and I will

accident to be removed and given medical Cdr. McCarthy and his wife, Pat, and their two children, Michael, 10, and Cheryl,

#### Insurance information

October. Under discussion are plans to use a If you decide to drop your Federal life

# Promotional Opportunities

(Continued from Page 2)

Maintenance Scheduler, WD-6701-7, JD No. 103-1, Code 26403 — Reviews job orders and accompanying plans, material lists to determine the operations required and which work centers will be affected. Based on information regarding manpower, machines, tools, equipment, material availability and current work load, the incumbent schedules a starting and completion date for each specified work operation to be performed by the various work centers in the division. Job Relevant Criteria: Ability to terpret instructions, specifications, etc.; knowledge of

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 212, Ph. 2032.

pertinent materials; knowledge of pertinent tools and

Electronics Engineer, GS-855-12/13, PD No. 7931094, Code 3107 - This position is located in the F-18 Weapon System Support Activity (WSSA), Systems Development Department. The incumbent is responsible for technical management of the WSSA task. The incumbent is responsible for preparing plans, and for conducting analysis, development, test, and evaluation required to support the assigned tasks. He directs and coordinates the effort of various engineering support teams in the prosecution of the plans. The incumbent directs the analyses to define performance and design requirements and is responsible for evaluation of proposed additions system. Job Relevant Criteria: Knowledge of current Code 31 bake sale organized by Debbie operational integrated avionics and weapon delivery tronic design, avionic design, system interface design, and avionics integration; ability in laboratory, ground and

This position is interdisciplinary in any of the follow Mathematician GS-1520, Physicist GS-1310, Aerospace Engineer GS-861 or Electronics Engineer GS-855. It is located in the Lethality Evaluation Branch, Survivability and Lethality, Air Targets Division, Systems Development Department, Incumbent will formulate analytical approaches to problems in the field of fuzes, warhead and safety and arming mechanisms and will develop computer programs applicable to their solution. Job Relevant Criteria: Knowledge of statistical and analytical methods for examining data; ability to develop test and evaluation procedures for analysis of technical data; knowledge of high speed computer programming techniques and ap-

Interdisciplinary, GS-11/12, PD No. 7931092, Code 3145 (2 vacancies) - This position can be filled by an Electronics Engineer GS-855, Physicist GS-1310, or Computer Specialist GS-334. This position is in the Computer Engineering Branch, Avionics Division, Systems Development Department, The incumbent develops software for the PDP-11 family of computers, with emphasis on high speed FORTRAN simulation using the RSX-11M operating system. This branch is responsible for the development and operation of facilities in support of the A-7E, AV-8B, F-18, and A-4M aircraft Software Support Activities: it emphasizes modern software developmen tools and techniques. The incumbent will aid in development of a large portable aircraft simulation, and will be responsible for integration of this software in a dedicated use of FAX hardware and PASCAL software. Job Relevant Criteria: Ability to analyze and write FORTRAN simulation software: ability to analyze software/hardware tradeoffs; ability to test and document software; ability to use assembly language and operating system calls.

Secretary, GS-318-4, PD No. 7831158, Code 31803 — This 34, Rm. 206, Ph. 2925.

series: Operations Research Analyst GS-1515, by typing correspondence, composing memorandum and letters, receiving visitors and answering telephones. The incumbent collects and organizes information on funding and expenditures for the program manager. The in cumbent prepares presentation material including financial information, to be used by the program manager orally and in writing with a variety of personnel; knowledge of correspondence procedures and instructions; knowledge of NWC cost reporting system and budgetary documents. Promotion potential to GS-5. Previous applicants need not reapply.

File applications for the above with Pat Gaunt, Bldg. 34.

Editorial Clerk (DMT), GS-1087-4, PD No. 7936080N Code 3662 — This position is located in the Engineering Support Branch of the Fleet Engineering Division, Engineering Department. Incumbent edits manuscripts for technical reports and publications, subsystem and component specifications, and other technical documents; he/she also verifies certain data in those documents. In cumbent also performs a variety of office clerical support tasks such as preparing correspondence (includes typing), filing, initiating procurement requests, etc. Job Relevant Criteria: Knowledge of editorial directives and guidelines affecting Navy and DoD publication format; extensive knowledge of scientific and engineering terminology ability to type various documents from recorded in formation; knowledge of office clerical procedures including filing, handling classified information, preparing Promotion potential to GS-5. Previous applicants need not

File applications for the above with Marge Stanton, Bldg.