

Bruce D. McClung

Bruce McClung to present organ concert at All Faith Chapel Mon.

who was born and raised in the Indian the clavichord and danced for three years Wells Valley, will present an organ concert with the Terpsichore Renaissance and featuring classical music selections on Monday, starting at 8 p.m., at the Naval Weapons Center's All Faith Chapel.

The concert, which is sponsored by the Protestant Congregation of the All Faith Chapel, is open to the public. McClung is dedicating it to the memory of Joan Fowler, a member of the Protestant Congregation Music Committee and chapel organist for many years prior to her death last September

A member of the Burroughs High School class of 1979, McClung is currently the music director at the Emmanuel Covenant Church in Rochester, N.Y.

Upon graduation from the local high school, he spent his freshman college year at the University of the Pacific in Stockton, Calif., before heading east to Boston, where he earned his Bachelor of Music degree in organ performance at the New England Conservatory of Music in 1983.

Taking advantage of Boston's prominent Mozart (1756 to 1791)

Baroque Dance Company. In addition, he was the organist at two Episcopal Churches while in Boston. In recent months, the rising young musician, who is the son of Rod and Elaine Mc-

Francisco for the national convention of the American Guild of Organists. Later this summer, he will travel to Chicago for the Organ Historical Society and a Romantic Organ Music Symposium

While a student at Burroughs High, he was in the school band and played as a youth soloist with the Desert Community

The program for his upcoming concert here will include selections by Johann Sebastian Bach (1685 to 1750), George Muffat (1653 to 1704), and Wolfgang Amadeus

Community-wide July 4th fete set at fairgrounds

Everyone is invited to join in the community-wide celebration of the Fourth of like to cook hot dogs, hamburgers, steaks that is planned, Anyone who wishes to July at the Desert Empire Fairgrounds or other good foods will be able to get donate money for the fireworks should mail next Wednesday from 1 to 10 p.m. This family fun day is being sponsored by also be selling food at various booths at the

the Council of Organizations under the Ridgecrest Chamber of Commerce.

Events will begin with a flag-raising by the Sea Cadets sponsored by the Indian Wells Valley Chapter of the Navy League at

Games and contests will fill much of the afternoon and early evening, with events o'clock. such as the mud tug-of-war, mud volleyball tourney, sack race, three-legged race, greased-pole-climbing contest, and bicycle drag race providing as much entertainment for spectators as for participants.

Advance registration for team events, such as the mud tug-of-war and mud volleyball, is required. Registration forms can be picked up at the NWC library, gymnasium office, or Community Center, and, in town, at the Kern County branch library, the Chamber of Commerce office (301 S. China Lake Blvd.), and at a number of other locations.

distasteful on a hot day can enter contests under the direction of David Wolper, execsuch as the watermelon eating contest, the utive producer of the opening ceremonies; pie eating contest, or the root beer chug-o- Tommy Walker, director of ceremonies,

In addition, the Eagles Lodge will spon-

By 4 p.m., charcoal will be ready in the



Tammy Williams

started on supper. Many local groups will fairgrounds for the benefit of those who would just as soon not cook or pack a picnic

The Entertainment Network of the Deslast until the start of the fireworks at 9

Some money is still needed to help pay Lake Boulevard.

for the spectacular display of fireworks a check to Council of Organizations Fireworks Fund, 301 S. China Lake Blvd., Ridgecrest, CA 93555. Cannisters into which money can be dropped are also located in a number of local stores.

Those wishing to contribute aluminum ert plans to put on of a variety of enter- cans that can be sold for recycling as a tainment that will begin at 7 p.m. and will fundraiser can bring these to the dumpster with family picnic located at the Chamber of Commerce office or at the Midway Shopping Center on China

Jazzercise teacher to have part in Olympic Games' opening rites

July 23 in Los Angeles, Tammy Williams, traveling at their own expense from as far local jazzercise instructor, will be present away as Japan, West Germany, Sweden, amid all of the excitement as part of an Olympic Dance Unit that will perform dur- Dance Unit will be composed of drill teams, ing the opening ceremonies.

Mrs. Williams was selected from among 2,700 other jazzercise instructors to be part of a 300-member troupe who will join a Those who find such violent activity 3,000-member dance unit. This group is and Ron Field, television and Broadway choreographer.

Prior to being selected as one of the jazzercise dancers, Mrs. Williams was invited last January to try out for the Olympic performance by Jazzercise, Inc., in peration with the Los Angeles Olympic Organizing Committee.

Jazzercise instructors from across the U.S., and from over 15 other nations, auditioned or sent video-tapes of their performance of five standard jazzercise routines that were used as the basis for the final selection of dancers.

In commenting about her performance at the auditions, Mrs. Williams said, "I felt good about it," and the final nod was given by letter in mid-May.

Assured now of her selection, Mrs. opening ceremonies' performance with the and techniques.

When the XXIII Olympic games open on other participants, some of whom will be and Italy. The 3,000-member Olympic marching bands, gymnastic performers, musicans, and choral groups.

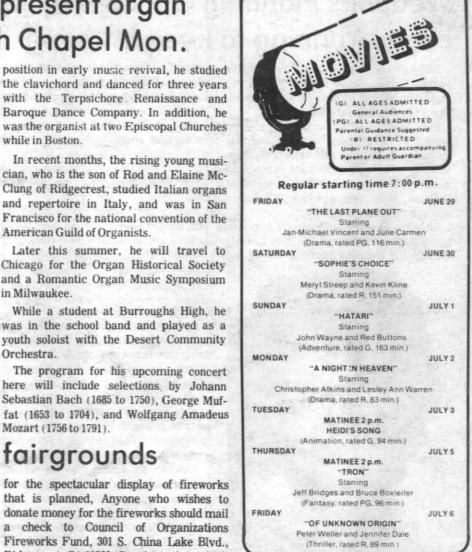
> Jazzercise, Inc., founded by Judi Sheppard Missett in 1969, is an exercise program that promotes total body conditioning through use of jazz dance movements. According to Ms. Missett, it differs from most aerobic dance exercise programs in its key elements of jazz dance-based choreography, class structure, instructor training, theatrical styling, and classes that are available to all ages.

The routines are designed around a variety of popular music that provides aerobic exercise as well as muscle toning and strengthening, flexibility, balance and coordination. Each routine is choreographed by Ms. Missett and sent out to instructors, who operates their own classes as a

What Mrs. Williams likes best about the exercise program is that it gives her a Fourth sale. chance to be theatrical and to perform an activity she earnestly enjoys bringing to towels, webbed chairs and chaise lounges, other people. Also, being a franchise member of the parent corporation keeps recorders are included among the variety Williams will soon begin rehearsal of the her up on the latest exercise information

Rec. facilities open on holiday

The following hours of operation will be ob	served by business and recreations
icilities at the Naval Weapons Center during	the July 4th holiday on Wednesday.
owling Alley and Snack Bar	10 a.m. to 11 p.m
amping Issue (at Gym)	11 a.m. to 6 p.m
olf Course	
olf Course Snack Bar	6:30 a.m. to 8 p.m
avy Exchange Mini-Mart	
wimming pools:	
COM	Noon to 6 p.m
CPOM	1 to 5 p.m
EM	
Indoor Pool — Lap Swim	Noon to 1 p.m
Open Swim	1 to 5 p.m



June 29, 1984

Fleet Reserve Ass'n to celebrate July 4

Members of China Lake Branch 95 of the Fleet Reserve Association (FRA) will celebrate this nation's 208th birthday next Wednesday afternoon, July 4, with a family-style picnic that will be held at Solar Park, located next to the Enlisted Mess swimming pool.

For this event, which is open to all members and their families, the FRA will provide hamburgers, hot dogs, rolls and

Active duty and retired personnel of the Navy, Marine Corps and Coast Guard, who are eligible for membership in the Fleet Reserve Association, are invited to attend the July 4th picnic.

Activities will get underway following a brief business meeting at 1 p.m. during which pins denoting 20 years of membership in the FRA will be available for presentation to Daniel Herrington, Francis P. Coleman, and Thomas C. Mullins, while 30-year pins are scheduled to go to A. J. Hutchinson, P. M. Koruga, William H. Munns, and Harold D. Stalnaker.

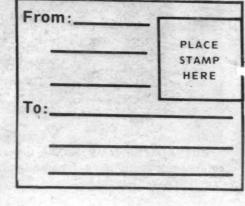
NEX Independence Day sale lasts thru Tuesday

An Independence Day sale is currently underway and will continue through next Tuesday at the Navy Exchange retail store.

Savings of as much as one-third off the normal retail price are being offered on some items of merchandise during this July

Men's and women's swimwear, beach as well as portable AM/FM stereo cassette of merchandise that Navy Exchange patrons can purchase at a savings.

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NAVAL WEAPONS CENTER CHINALAKE CALIFORNIA

John Pearson honored

Navy Superior Civilian Service Award given to research scientist

Presentation of the Navy Superior Civilian Service Award to John Pearson highlighted an all-hands meeting of NWC Research Department employees that was held Monday morning in the Michelson Laboratory Auditorium.

This award, the second highest Navy honorary award, was presented to Pearson, a senior research scientist in Code 38's Engineering Sciences Division, by Capt. K. A. Dickerson, NWC Commander.

Those present for the occasion, in addition to Pearson's co-workers in the Research Department, were his wife, Ruth; B. W. Hays and G. R. Schiefer, NWC Technical Director and Deputy Technical Director, respectively; Dr. E. B. Royce, head of the Research Department; and Carl L. Schaniel, who heads the Ordnance Systems Department.

ly, the man won four matches out of four

because he did not use any of the standard

gambits to open the games and the com-

puter promptly became confused and did

Efforts to use the computer to play

games began in the 1950s. While the early

computers did well with simple games like

TicTacToe, they ran into trouble with

games in which choices became almost in-

finitely large, such as considering all

possible moves of 32 pieces on a chess

not know how to respond.

lengthy career at China Lake, starting with the time in 1958 when Pearson and his branch became the Detonation Physics Group of the Research Department - an organization that later was upgraded to division status.

"John and the work of his division has had a profound affect on ordnance work of the U.S. and her allies," Dr. Royce said before turning the microphone over to Capt. Dickerson, who presented the commendation and medal that comprise the Navy Superior Civilian Service Award.

Pearson spoke briefly, noting that he came here in January 1951 intending to stay one or two years at the most. "What kept me here all these years was the fascinating work that could be done, and the great group of people at China Lake. This is really a way of life, not just a place to work," the honoree added after accepting the prestigious award.

The award, which is granted by the Chief of Naval Material, is designed to recognize employee contributions that rate exceptionally high in value. Pearson was nominated for this honor due to his outstanding record of nationally and internationally recognized technical contributions to the fields of ordnance and engineering science during a 32-year period (1951 to 1983) of distinguished governmental service.

The honoree was recognized for his outstanding abilities as both an individual researcher and as a competent director of research. In addition, he is recognized internationally for his pioneering work on the behavior of metals under impulsive loads, explosive forming and working of metals, explosive welding, and the shear control of warhead fragmentation.



Military use of 'intelligent' computer studied any sort of human intelligence must also be For instance, in a match reported recent-

critical elements.

parallel (be able to deal with much infor-

mation simultaneously) and must be able

to sort through a lot of data to pick out the

The most intelligent humans also learn

Programs have been developed for play-

from experience and are flexible in their

approach to problems on the basis of that

ing chess by giving the computer instruc-

tions to follow regarding game strategy. If

a human opponent recognizes that the

With the dramatically increased speed and complexity of modern warfare, military commanders are faced with massive amounts of information that they must assimilate and act on rapidly. Military strategists have wondered if they could increase their decision-making speed with the same tool that has proven invaluable to the scientific researcher and the businessman — the computer.

Unfortunately, the computers developed so far have served merely as dumb calculators that rapidly process much data but that do so serially (one step at a time), and that basically can just give a "yes" or "no" type answer based on the programming in their software.

To handle very complex situations without clearcut data and clearcut results like one plus one equals two, calls for a the game as the level of the program used computer that displays artificial intelligence (artificial because it is programmed by man rather than developing biologically).

For the past two decades or more both science fiction writers and scientists have been thinking, talking and writing about "intelligent" computers or robots.

One group envisions a friendly cousin of R2D2 beeping away to reason out decisions, and another group envisions a sort of super Cray computer whirring to solutions of philosophical problems. Possibly even a third group exists - one that is concerned that any machine that learns to reason or "think" could run amok and take over the world.

Potential military applications of an "intelligent" computer could be decisive during a battle, just as such a computer could revolutionize oil exploration for oil companies (who are heavily involved in researching artificial intelligence). The world of teaching and learning could also be revolutionized.

Broadly, a computer that displays "artificial intelligence" is one that could attain an answer (not necessarily the best answer, but one that is reasonable) without examining all possible alternatives. It must be able to function somewhat like the human brain in that it reasons heuristically - that is, by dealing with approximations.

board in a limited amount of time. machine has been given a particular set of instructions about game strategy, all the The computer was also thought to be the answer to translating from one language to human has to do to beat the chess-playing computer is to use an unorthodox strategy, another, but that was found to be equally difficult with the computers used. (The atespecially since the human would be chosen for having the same degree of expertise in tempts to develop game-playing skills and the efforts to translate automatically with a

(Continued on Page 4)



ANOTHER STEP FORWARD - Tests that involved running the six B-47 bomber by Mike Lyons, an ex-Air Force enlisted man, who is Any machine that is even going to approach maintenance checks, was joined last Saturday in the cockpit of the crew from Fire Station No. 3 at the airfield.

engines of a 1950s era B-47 Stratofortress undergoing renovation in now a police officer in the town of Riverbank, Calif. Three of the preparation for its eventual flight to the Air Force Museum at original jet engines are still usable on the museum-bound B-47, and Castle AFB near Merced, Calif., were carried out last Saturday in two of them fired off without any trouble, while the third needed the gun butts area of Armitage Airfield. At the controls of this 30- only some minor adjustments, Pappe said, even though the huge year-old aircraft during the engine tests was Ted Pappe, a Civil bomber (intended for target use) had been grounded in the NWC Service employee (electrician) in the Aircraft Support Division of range area for the past 17 years. Later on, the old bomber will be the NWC Aircraft Department, while a wary eye from the ground towed to a place on the runway where its six engines can be turned was kept on each of the engines to see how they performed by Mel up to full power, and high-speed taxi checks made to ensure that the Hedgepeth, a retired Civil Servant and former Air Force man from engines will get the aircraft up to flying speed for its eventual flight the Castle Air Force Base area. Pappe, whose former experience in to the Castle Air Force Base Museum. On hand (at left) as a precathe Air Force included revving up the engines on aircraft during tionary measure during the B-47 engine tests were a fire truck and



SIGNS ON FOR 2 MORE YEARS - AMSI Michael Fedak, a veteran of 11 years of active duty in the Navy, reenlisted recently for another two years during a ceremony held in the office of Cdr. Richard Erickson, head, Aircraft Support Division. Petty Officer Fedak has been at NWC for three years, and is assigned to the Non-Destructive Inspection (NDI) shop where he is daycheck supervisor. He was transferred here from Keflavik, Iceland. AMS1 Fedak joined the Navy at Buckley, Wash., in June - Photo by PHAN Greg Hogan

NAVAIR T&E Energy Council Workshop held at China Lake

The annual Naval Air Systems Command Test and Evaluation Energy Council Writer/Editor, DA-1083-1/2/3, PAC 8434516E39, Code 3461 Workshop was held at the Naval Weapons Center in mid-June. At this workshop, the incumbent is responsible for writing and editing technical energy managers from various Navy facil- publications, supporting department technical programs, ities are able to exchange ideas and share and planning and preparing documentation in support of major programs. Works closely with engineers and programs. experiences in dealing with energy gram managers to identify publications requirements and management.

use of electricity and fossil fuels.

reduction of energy use by Federal agen- Aerosystems Department, Staff Office. The incumbent cies. Executive Order No. 12003 issued by will perform the following duties: Personnel actions, type the President decreed that annual energy memos and letters from rough drafts, handwritten or oral use by Federal agencies must, by 1985, be instructions, handle messages; screen and distribute incoming mail; act as CCP for the department; point of contact for Public Works, Communications Services, and 1975. Additional goals are planned beyond department PMA actions. The incumbent will be the Beneficial Suggestion Executive Secretary for the

according to members of the council, is the department. Job Relevant Criteria: Knowledge of perburgeoning use of computers and office and accomplish work independently; ability to perform a automation systems. Since many of these variety of clerical/staff functions: ability to research. computers and forms of office automation Department reports. Promotion potential to GS-6. require special environmental conditions (as well as using electrical energy Foreman, WS-4701-14, JD No. 7826061, Code 2641 - This themselves), the average office has gone position is located in the Building Trades Branch, from passive to intensive energy use

Parking lot to be closed

The west half of the Bennington Plaza parking lot, from the gymnasium to the theater, will be closed on Sunday, July 1, in order to permit workmen to re-paint the vehicle parking lines.

The Rocketeer

Official Weekly Publication

Naval Weapons Center

China Lake

Captain K. A. Dickerson

NWC Commander

B. W. Hays

Technical Director

Dennis Kline

Public Affairs Office

Don R. Yockey

Mickey Strang

PHAN Greg Hogan

Staff Photographers

Photographs

Promotional opportunities

Applications (Standard Form 171) should be in the drop box at the Reception Desk of the Personnel Dept 505 Blandy. Unless otherwide specified at an ad, applications for positions listed in this column will be ac cepted from current permanent NWC employees only. All others desiring employment at NWC may contact he Employment Wage & Classification Division, Code 092 Ext. 2264. Ads will run for one week and will close a 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook 1-118; those for all wage system positions are those defined in OPM Handbook-C-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirement that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

Announcement No. 34-014-84, Technical Information Specialist, DA-1412-2/3, PAC No. 8434522E25, Code 34304 — Technical Information Department. The incumbent serves as system administrator for the Naval Weapon Center's technical library integrated library system. As such the incumbent provides technical assistance to the head, Library Division. Duties include coordinating, planning and implementing an automated library system and its procedures; performing complex file maintenance activities reparing a wide range of management inormation ports; monitoring the technical performance of the automation contractor; monitoring the financial status of the automation contract; and recommending nhance the effectiveness of operations using the omated system. Job Relevant Criteria: Knowledge of data processing, information management, syste nalysis or library automation; demonstrated ability to work accurately with statistical and financial data using nputing resources; demonstrated ability to work and icate with various levels of personnel; and demonstrated ability to work with library on-line data

Announcement No. C-61-14, Aircraft Electrician, WG-10, 2 positions), Code 61323 — This position is located in the eering Support Branch, Engineering Support Division, Aircraft Department. The incumbent under the firection of a foreman and in close cooperation with Electrical Engineering Technicians and/or other Aircraft tricians, makes installs, modifies, and repairs electrical portions of experimental aircraft fire control systems and aircraft instrumentation data acquisitions systems. Job Relevant Criteria: Ability to operate test quipment; knowledge of theory and instruments (electrical, electronic) used in shop and trade practices; ability to use electrical drawings; ability to use and maintain hand tools. May have promotion potential to WG-11. Supmental forms may be picked up in Rm. 100 in the Personnel Building.

Announcement No. 34-015-84, Technical Publications - This position is located in the Field Branch No. 1, Field Service Division, Technical Information Department. The oduce technical reports and documentation in support The council is responsible for developing write and edit technical material using specialized skills. of RDT&E programs. Job Relevant Criteria: Ability to and updating energy management plans Knowledge of publishing techniques. Knowledge of and measures to ensure more responsible grammar. Ability to work with civilian and military

A goal of energy management is the Announcement No. C-64-06, Management Assistant, GS-344-5/6, Code 6402 - This position is located in the instructions, handle messages; screen and distribute inepartment. Participates in departmental studies, Making such cuts increasingly difficult, management analysis and various reports for the sonnel policies and procedures; ability to plan, organize comprehend and apply information pertaining t

> Announcement No. 26-058, Maintenance General Utilities Division, Public Works Depa ment. This is a temporary promotion not to exceed one year. Position may become permanent at a later date ne incumbent is responsible for the management of the Building Trades Branch. Sections include carpenters. joiners, painters, masonry, metal works and labor. The cumbent is responsible for the overall effectiveness of the branch in terms of cost, quality and timeliness of products and services. Job Relevant Criteria: Ability to and organize work; knowledge of different relevant lines

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Tuesday, 11:30 a.m.

deadline dates under pressure; ingenuity (ability to suggest and apply new ideas); interest in and potential to nanage people problems (EEO). Note: Supplemental is equired and may be picked up at the receptionist desk of the Personnel Bldg., 505 Blandy

Announcement No. 26-057, Electrician, WG-2805-10, JD No. 457N, Code 26446 - This position is in the Electric Shop, Electric-Support Branch, of the Public Works Department. Working from drawings and specifications, the incumbent plans, lays out, constructs, installs, tests and troubleshoots electric and electronic equipment, applying the whole range of electric journeyman skills to sual requirements and conditions. Repairs and roubleshoots electrical and electronic equipment intended for use in experimental and developmental equipment Designs, fabricates and installs power requirements for oreign and domestic systems, and for computers. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; use of electrical test equipment; knowledge of electrical theory; electrical drawings; hand and power tools; safety and dexterity; technical practices. Supplemental is required and may be icked up at the reception desk of the Personnel Building, 505 Blandy. Status eligibles may apply.

Announcement No. 36-148, Interdisciplinary Electronics/Engineering Technician, DT-802/856-2/3, PAC No. 8436711. Code 3662 - This position is located in the ingineering Support Branch, Fleet Engineering Division, Engineering Department. Incumbent is responsible for providing technical support to manual verifications/ validations for electronic field equipment, engineering change evaluation, theoretical studies and analyses conerning electrically interfacing field/depot level test equipment for various Navy/Air Force/FMS guided nissiles. Job Relevant Criteria: Knowledge of electronic and/or electronic-mechanical design; knowledge of weapon system field/depot level test equipment; knowledge of Navy and/or Air Force field environment; ability mmunicate well, both orally and in writing; ability to work closely and effectively with government, industry and military personnel; and knowledge of government acquisition and technical documentation requirements/ procedures. Applications from status eligibles will be ac-

No. to be assigned, Code 0807 - This position is located in the Office of Finance and Management, Internal Review Staff. The incumbent of this position conducts special studies, analysis, investigates and reports on financial nanagement and management control audits which provide NWC management with appraisals of the adequacy and effectiveness of NWC Financial Management and anagement procedures and practices. Job Relevant Criteria: Knowledge of Navy and NWC Financial anagement Systems; knowledge of auditing and acting practices; skill in analyzing problems, to include lentifying relevant factors, gathering information and

Secretarial opportunities

mn is used to announce secretary position or which the duties and job relevant criteria are generally similar. Secretaries serve as the principal lerical and administrative support in the designate organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist rimarily of clerical and procedural duties and, as ositions increase in grades, administrative function ecome predominant. At the higher levels, ecretaries apply a considerable knowledge of organization, its objectives and lines of com nication. Depending on grade level, typical ecretary duties are implied by the job relevant

teria indicated below Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. upplemental form is required and may be obtained at Room 100 in the Personnel Building. Job Relevan Criteria: Ability to perform receptionist and telephon duties; ability to review, control, screen and distribut ncoming mail; ability to review outgoing and/or to prepare non-technical reports; knowledge o ling systems and files management; ability to meet he administrative needs of the office: ability to train derical personnel and organize workload of clerical staff processes; ability to plan and coordinate trave arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

neement No. 26-056, Secretary (Typing), GS-318-4, PD No. 8426011N, Code 2632 - This position is located in the Environmental Branch, Engineering Division, Public Works Department. The incumbent provides ecretarial support to the branch.

Announcement No. 31-061, Secretary (Typing), GS-318-4/5, PD No. 8331009, Code 3153 - This position is located in he Infrared Systems Branch of the Targeting Division within the Aircraft Weapons Integration Department. In cumbent provides secretarial support to the branch and also supports the Airborne RF Targeting Branch, Code nent No. 31-112, Secretary (Typing), GS-318-

4/5, PD No. 8432002N, 8432004N, Code 326A — This position located in the Bigeye Program Office, Conventional Weapons Division, Ordnance Systems Department. The ncumbent provides clerical support to the office and a knowledge and working skill on an IBM Mag Card II typewriter is preferable. Status eligibles may apply. incement No. C-62-35, Secretary (Typing), GS-318-5/6, PD No. 8462012N, Code 625 - This position is ocated in the Computer Systems/Data Division, Range Department. The incumbent provides clerical and ad-

ministrative support to the division head and staff. Word

essing skills preferred. Status eligibles may apply.

and in writing. Promotion potential to DP-3.

June 29, 1984

Announcement No. 08-030, Management Assistant GS-344-5/6, PD No. to be assigned, Code 0821 - This position is in the Records Management Branch, Management Division, Office of Finance and Management. This branch is responsible for the management and operation of the directives, correspondence, forms, files, and reports management programs. The incumbent will be the Correspondence Management Program Representative. The incumbent will be responsible for ensuring that Center orrespondence is in compliance with Navy regulations and requirements. The incumbent will conduct surveys to ensure that the quality, format, and editorial correctness are in conformance with Navy standards; will ensure tha the necessity of the creation of correspondence is conomical and efficient and provide guidance to departments, directorates, and Command regarding Navy correspondence standards and requirements. Job Relevant Criteria: Knowledge of directives, corespondence, forms, reports, and files managemen licies, procedures, and regulations; ability to gain peration of personnel at all levels where regulations or ontrols foster a reluctance to cooperate; ability to inter pret and apply instructions and procedures; ability to express ideas clearly, both orally and in writing.

Announcement No. 08-031, Program Manager, DA-340-3, PAC No. 84008670E, Code 086B - This position is located in the Accounting and Disbursing Division, Office of Finance and Management. The position will be the Program Manager for the Navy Standard Civilian Payrol em (NAVSCIPS) at NWC. The position will be the NWC expert for NAVSCIPS design, implementation and operation. The incumbent will determine input/output irements and system interface requirements; plan. manage and coordinate design, development and implementation of hardware, software and communication interfaces; plan, manage and administer a NAVSCIPS erator and user education program. Job Relevant Criteria: Extensive knowledge of Navy Civilian Payroll systems, NAVCOMPT Payroll Procedures and Regula-tions, NWC Payroll Procedures and the Federal Personnel Manual; knowledge of NWC Organization NWC administrative policies, procedures, and regulations; ability to organize and plan complex programs; ability to gather and analyze financial data; ability to in terface with employees at all levels, both internal and exernal to the Center. Status applicants may apply

Announcement No. 08-027, Supervisory Systems Ac untant, DA-510-2/3, PAC No. 8408671EO7, Code 0862 -This position is located in the Office of Finance and Management, Accounting and Disbursing Division, Cos counting Branch. The incumbent will serve as head, Cost Accounting Branch. The incumbent will be responsible for developing and maintaining the NWC Cost Accounting System. The incumbent will coordinate entries into journals and ledgers; insure propriety and validity of charges and availability to funds/ validate outstanding transactions; and provide professional accounting advise to members of the Office of Finance and Management and NWC Departments. Job Relevant Criteria: Knowledge of Navy and NWC accounting systems; ability to plan. schedule and coordinate workload of a branch; knowledge of ability to support the Center EEO Program. Promotion Announcement No. 08-028, Interdisciplinary (Computer

Systems Analyst/Operations Research Analyst/Computer Scientist), DP-334/1515/1550-3, PAC No. 8408678, Code 08B1 This position will be a staff position reporting to the head, STAFS Project Office on an interim basis with the permanent code to be determined at a later date. This position is for the Data Base Administratdor (DBA) for the Standard Automated Financial Systems (STAFS) to be implemented at NWC. The DBA is responsible for the definition and performance and integrity and the operation of the system as a whole. The incumbent serves as the principal point of contact with the system develop-ment agent and the Center in all matters pertaining to operation of the STAFS data base software at NWC. The major functions of the DBA include data definition, creation and maintenance; maintaining data base integrity; performance monitoring, measurement and improve ment; operational and security control; and system consultation and user interface. Job Relevant Criteria Knowledge and experience in automated business data orally and in writing with all levels of organization at NWC, other government agencies and industry; ability to supervise; ability to work under stress and pres support EEO and affirmataive action plans. VAX 11 DBMS experience desirable, but not mandatory.

ouncement No. 39-027, Administrative Officer. DA-341-1/2/3, PAC No. 8239587EO3, Code 394 - This position is located in the Electro-Optics Division, Weapons Department. The division is responsible for the design, development, test and evaluation of advanced electrooptical air-to-air and air-to-surface weapon systems and and analysis of target and background signatures. The incumbent provides administrative support to the division head, division program managers and oranch heads in the areas of budget administration, per onnel and organizational management, program planning, analysis and reporting, financial management; procurement and contract monitoring, facilities, space and equipment management and various other administrative functions. Job Relevant Criteria: Ability to manage the administrative support for a large technical ivision, indepth practical knowledge of NWC, Navy and DoD budget administrative processes, knowledge of NWC

(Continued on Page 7)



DIVINE SERVICES

PROTESTANT Sunday Worship Service Bible Study (East Wing, Wednesdays ROMAN CATHOLIC Daily Mass (except Sunday 1630 1700 Friday Religious Education Classe 1000 Sunday (Annexes 1, 2 & 4) Friday (East Wing) UNITARIAN

Sunday (Annex 95, as announced)

Weapons Planning Gp. employee enjoys running to keep in shape

Although she's only been running for five roads. She notes that she runs on both sides years, Dianne Lucas's name turns up of roads alternately so that she is not putting regularly among winners in Over-the-Hill Track Club events and other races.

Partly, of course, this is because she has been active athletically for years, and took up running just to get into better condition. While in high school in Spokane, Wash., and in college at Washington State University at Pullman, Wash., she was heavily involved with synchronized swimming.

After she received her master's degree in mathematics and moved to China Lake to have picked up her interest in running. They work in the Weapons Planning Group, her



Dianne K. Lucas

main athletic involvements were with skiing, backpacking, and mountain climb-

"Currently, a half marathon is my favorite distance," Ms. Lucas says. "It's a nice intermediate distance between the shorter races and a full marathon. I'd like to too long for that.'

So far, she has competed in two actual marathons. These, she says, call for additional training. For instance, in preparation for a marathon she will inher normal 25 to 35 per week to about 60 per crements over a period of weeks.)

By the time that she is ready for a marathon, she is also running at least 18

likes to vary the route that she runs each member of the Burroughs High School socday, with some running on dirt and some on

(Continued from Page 6)

Women's softball...

fourth, two more in the fifth, and then pull-

In addition to those already mentioned.

extra stress on either knee due to the camber of the road surface. Ms. Lucas advocates a well-balanced diet

rather than emphasizing either proteins or carbohydrates, but says that she finds that her own appetite proves to be a good guide about what extra foods she needs while conditioning for races. Neither her 15-year old daughter, Shan-

non, nor her 12-year old daughter, Jennifer, both like to ski, and are involved in gymnastics programs. Shannon also likes to ride horseback, which, says Ms. Lucas, seems to provide more exercise for the horse than the rider

Her advice to others who may be contemplating running for fitness includes being sure to get good and well-fitting shoes ("with so many different good ones on the market, it becomes a matter of personal preference"), not to get into it too fast ("pace yourself"), and to find good company to run with to provide the additional motivation needed to stay with a running

Although she admits that she herself has not regularly done other types of exercise to. develop muscles other than those involved with running, Ms. Lucas says she believes that such exercise is essential to stay in top

Soccer camp offered as part of summer program for youth

A soccer camp for boys and girls who will be enrolled next fall in the fifth, sixth or seventh grades was held last week at Davidove Field.

Karl Kauffman and John Piri were the work on my speed a bit, but a marathon is camp director and camp coordinator, respectively, for this activity that was offered as a part of the Recreation Services Department's summer program for youth.

Participants in the soccer camp, which was held on weekdays from 5:30 to 8:30 crease the number of miles she runs from p.m., received instruction on warm-up exercises, the fundamentals of playing socweek. (The increase comes in small in- cer, and a little bit about the tactics of this game that is fast-growing in popularity.

In addition to Kauffman and Piri, the soccer camp staff included Kenold Prince. an assistant coach with the Ridgecrest To keep her interest up, she says that she Scorpions Soccer Club; Tom Rindt, a cer team; George Mills, and Brenda

Everyone who attended the youth soccer camp received a soccer ball, a T-shirt, and a soccer camp group photo. The recipients ing ahead with a 5-run rally in the sixth in- of special awards that were presented following the final session were:

Will Freeman, who received both the other military women's softball players "most skillful" and "most physically fit" who represented NWC in last week's tour- awards; Aaron Bradley, "most improved" nament competition were player-coach player; Peter Martinez, "most Martha Vanderkamp, Laurie King, knowledgable," based on a written test of Guadalupe Martinez, Sue Crawford, Joann soccer rules, playing skills and tactics; and Lopata, Kathy Ronan, Linda Chambers and Daniel Hobson, "most inspirational" player



YOUTH SOCCER CAMP HELD - Under the watchful eyes of Karl Kauffman, director of the youth soccer camp, Brendan Ledden prepares to demonstrate how long and accurately he can kick the ball.



home plate to score another run for the Dodgers in their Indian Wells Valley Pony League win by a score of 22-4 over the Orioles. Third base coach for the Dodgers is Joe Norris (at left), while the Orioles' third sacker is Jimmy Knight. Last week's lopsided victory over the Orioles clinched the 1984 Pony League title for the Dodgers, who are sponsored by the Fleet Reserve Association. A post-season all-star team tournament will be hosted July 18 to 21 by the IWV Pony League. — Photo by PHAN Greg Hogan

Sequoia Nat'l Forest campgrounds, roads open, fire danger is high

All campgrounds, backcountry trails and roads are now open in the Sequoia National Forest, and all off-road vehicle trails are may be obtained at Forest Service offices. open on the Kern Plateau

The dry spring and hot summer has already resulted in much of the vegetation in the forest being very dry, with a high fire danger. Any campfires, therefore, should be built only on mineral soils in an area at least 10 feet in diameter that has been cleared of twigs, pine needles and leaves. Also, no one should leave an unattended campfire unless it is completely dead.

Smoking should be restricted to enclosed vehicles or to areas cleared of forest debris. The possession of any kind of fireworks in the forest or the use of any kind of fireworks is completely illegal.

If campground space is unavailable, campers may pick a spot in the forest where they will not pollute streams, then clear away twigs, leaves and pine needles to make the camp. In order to build a campfire anyplace other than in a prepared firepit in a regular campground, it is necessary to have a free campfire permit, which is valid only if the campers also have a shovel in their possession.

Firefighters look for busy time over July Fourth holiday

Next week's Fourth of July holiday promises to be a busy one for Kern County firefighters, if it is anything like last year.

According to Fire Chief Carl Williams, the Kern County Fire Department responded to 159 fires in 1983 between July 2 and 5, including more than 75 calls that were received on July 4.

This makes self-evident that fact that Independence Day is no holiday for county firefighters, and, in addition, it is extremely costly to the taxpaying citizens of the

Last year, 241 fire departments participated in a statewide survey in California which indicated that the major cause of 1,319 fires at this time of the year was fireworks - most of them smuggled across the state border.

The loss in property from these fires totaled \$1,354,556 statewide, and there were 542 injuries as well.

These statistics are especially alarming when it is realized that of the 241 fire departments which participated in the survey, 133 of them prohibit the use of fireworks within their jurisdiction.

The Kern County Fire Department and the Kern County Sheriff's Department again will join forces this year to control the use of illegal fireworks. Last year, this effort brought 64 persons into court for law violations that resulted in more than \$11,000

Visitor's permits are required for hiking on some of the backcountry trails; these

While commercial whitewater rafters operate on the Kern River, those who wish to operate their own raft are required to have a rafting permit that can be obtained at the Forest Service Offices in Kernville or Bakersfield. The use of the permits helps monitor private use of the river and enhances the safety of the individual

Forest Service officials also ask that all campers and hikers make a special effort to leave the forest cleaner than they found

Opportunities. . .

(Continued from Page 2)

financial management procedures, ability to deal effectively with people, and ability to effectively communicate both orally and in writing. Previous applicants need not

Mechanical/Electronics/General Engineer, Electronics Technician, Program Manager, DA-830/855/801/856/340-3, PAC No. 8436598E45, Code 36602 — This position is located in the Systems Management Office, Fleet Engineering Division, Engineering Department. Incumbent performs product design improvement and production engineering work on one or more newly developed or substantia modified systems, i.e., North Finding Module (NFM) Sidearm, Vertical Launch (VL), etc. The incumbent advises on, evaluates, and/or proposes modifications to design in order to facilitate production or logistics support, reduce material or manufacturing costs, and ensure that adequate test and inspection procedures can be ac commodated. Job Relevant Criteria: Knowledge of elecronics and/or electro/mechanical devi s; knowledge of production management, project management, con guration management, logistics requirements, reliabiliy/maintainability, maintenance planning, procurement management, resources management and control and the cycle; ability to deal effectively with all levels of both technical/management personnel, both at NAVWPNCEN and other activities, Commands, sponsors, and/or contractors; ability to make effective oral and written presentations. This is a readvertisement and previous applicants need not reapply to be considered. romotion potential to DP-3.

Announcement No. 36-141, Quality Assurance Specialist, DS-1910-2, PAC No. 8436678N99, Code 3643 - This position s located in the Quality Control Branch, Engineering Prototype Division, Engineering Department. The in cumbent is responsible for the application of quality control during the planning, design, fabrication, testing and production of weapons systems, related equipment and omponents. The incumbent performs work requiring the use of very specialized measuring equipment which requires devising and improvising new methods and techniques for using such equipment. Formal inspection reports, memos and trip reports are required. Job Rele vant Criteria: Experience in the area of complex manufacturing processes and techniques; specific expe rience in the areas of quality control and mechanical inspection techniques; ability to communicate both orally and in writing. Promotion potential to DS-3. This is a previous applicants need not reapply

ncement No. 36-149, Engineering Technician, DT-802-1/2, PAC No. 8436723N, Code 3657 - Two vacan cies. This position is located in the Computer Aided Engineering Service Center, Documentation Services Section, Technical Data Division, Engineering Department. The branch prepares technical documentation and provides design support services, using Computer Aided Engineering Equipment, to NWC programs and projects. The incumbent will provide support to new and ongoing elopment and production programs by imputting provided information into Applicon or Computervision CAE equipment. Job Relevant Criteria: Knowledge of ineering documentation preparation and maintenance techniques; ability to perform tasks requiring the interpretation of written or oral instructions; ability to work

well with others. Promotion potential to DT-3.



BODY FLEXIBILITY TEST - Lt. Dave Feldman, NWC Physical Fitness Officer, watches as an unidentified Navy woman sees how far she can extend her fingertips beyond the end of her toes in this sit-reach exercise - one of the requirements of the annual Navy physical fitness testing program conducted here.

500 military personnel at NWC complete physical fitness testing

A two-month program of mandatory Lt. Feldman's score of 139 was based on Naval Weapons Center ended in mid-June.

quired to meet certain standards, which varied depending upon their sex and age (from under 20 to 50 years of age and over). pull-ups, and ran 1½ miles in 9:07.

The exercises or activities for which they were judged were situps, the individual's choice of push-ups or pull-ups, the sit-reach a test of flexibility that calls for sitting with legs extended to the front and reaching as far as possible - trying to ouch the toes or extend beyond them), and

Points were given based on how well those tested performed. The top three NWC military men and women from the standpoint of physical fitness are:

AMHAN Kevin M. Conger, age 19, of Code 61212, first; Lt. David Feldman, age 31, of Code 2101 and LCdr. D. G. Roach, age pull-ups, and ran 11/2 miles in 12:06 to ac-35, of Code 262, tied for second; and PRAA cumulate a total of 99 points. Timothy M. Perkins, age 18, of Code 643,

AMHAN Conger received a grade of 141 points for doing 128 situps, 110 pullups, and running 11/2 miles in 8 min., 29 sec.

physical fitness testing for approximately 135 pull-ups, a 9 in. extension in the sit-500 military personnel assigned to the reach, and a clocking of 9:35 in the 1½ mile run. LCdr. Roach did 102 sit-ups, 21 pullups, Both Navy men and women were re- and ran 11/2 miles in 9:40 as he also came through with a score of 139.

June 29, 1984

PRAA Perkins clicked off 114 sit-ups, 28

HM2 Jean Bormett, Ens. Martha Vanderkamp, and AC3 Traci Williams finished first, second and third, respectively, among the women tested for their physical fitness.

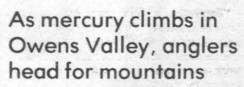
HM2 Bormett, age 29, of Code 643, put together a string of 118 sit-ups, 60 pull-ups, and ran 11/2 miles in 10:13 to compile a point

Ens. Vanderkamp, age 28, had 95 sit-ups, a 7-in. extension in sit-reach exercise, and her time in the 11/2 mile run was 9:53 in rolling up a total of 119 points.

AC3 Williams, age 29, did 87 sit-ups, 10

In physical fitness competition between military divisions, the winner was the Biomedical/Test Parachutist Division with a score of 19, compared to 17 and 16.7 points, respectively, for the second and third place runners-up who were the Chapel and the Communications Division.

In addition to the going through the aforementioned exercises, everyone was measured to determine the percentage of his or her body fat, which, according to Lt. Dave Feldman, associate head of the Military Administration Department and NWC Physical Fitness Officer, is the real criteria for determining if an individual is physically fit by Navy standards



The hot weather in the Owens Valley has encouraged anglers to head up to high country lakes and streams for their fishing. Lots of brook trout are being caught at the higher elevations

In the Owens River south of Big Pine, many catfish are still being hauled in, but bass fishing has slowed and trout also are somewhat slow. From that area north to the Pleasant Valley Dam, trout fishing is good with Panther Martin lures, crickets or nightcrawlers.

The upper Owens River above Crowley Lake has been the source for a fair number of good-sized (up to 20 in.) trout that are being caught on nightcrawlers and other

baits or on Hornberg flies. Fishing on Lake Crowley has been a bit slow for trout, but perch fishing has been excellent. (One startled angler caught an 8 lb. trout on a vellow perch jig: this is the biggest trout reported caught in the eastern

Sierra area for the week.) Everyone who is fishing on the lakes in the June Lake loop is catching some fish,

Limits of kokannee are now being taken

Department of Fish and Game wardens

after the water they need to survive.





All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no Intent that this column be used to subvert normal, established chain-of-

QUESTION

Civilian Employee - The newspaper articles in the Rocketeer regarding the proposed disposition of Wherry Housing have brought up a subject that should be considered by Center Command.

I realize that neither one of these two things happened during your watch, but in transferring Wherry Housing from China Lake to Ridgecrest, and after that the trucking off-Center of the old Duplex Housing (which is currently languishing in the desert sun in the vicinity of Bowman Road near the fairgrounds) the perception arises among the citizens of Ridgecrest that the Navy is not going to be responsible in the disposition of excessed housing.

We don't expect much except grief from what may ultimately come out of Wherry Housing. The abandoned homes that were moved between Bowman Road and the fairgrounds are a traffic nuisance and an eyesore. Rather than arbitrarily transferring these housing units to any speculator who has the money and energy to get them, the Navy should take an overall long-range look at the impact on the community that the transfer of housing facilities from China Lake to Ridgecrest may ultimately have. Thank you.

Your question is timely as there may be a number of people on board who are not familiar with the way housing units are excessed.

First a determination must be made that there are units that are in excess to the needs of the Center. Next, permission must be obtained to proceed with the excessing action. As part of the action a Preliminary Environmental Assessment (PEA) is performed to measure the effect that the proposed action will have on the local community. The General Services Administration (GSA) then becomes involved and handles the actual excessing action.

As you can see there is no arbitrary transfer of units to any party. These properties are obtained through competitive procedures. The Wherry project, land and buildings, was sold. The Old Duplex units were excessed but the land was retained. Some of the units were demolished and disposed of in a land fill operation and others were sold by the demolition contractor and, subsequently moved off Center. Only 120 of the 664 structures were moved off Center.

The Navy has exercised its responsibility. The fate of these housing units is really in the hands of private business interests, the City of Ridgecrest and the County of Kern. I agree with your assessment that they do present an eyesore, and I will do whatever I can to influence a cleanup.

Civilian Employee - I am a civilian secretary. All I wanted to do was call and say how nice I think it is that we have the flag at the main gate. I think it looks really prissy and I'm real proud.

Thank you, I, too, am proud of the flag.

Vehicle decals will be required for entry to restricted areas

Starting on Sunday, July 15, Security permanent vehicle decals. Guards will deny access to restricted areas on the Center to all vehicles that do not display a valid decal or a temporary or official vehicle pass.

In order to obtain a decal, a vehicle must be registered at the Vehicle Registration Section (Code 24322), located at the main gate. Vehicles that will not be driven into restricted areas will not be required to display such a decal.

The decal is a convenience to Center personnel in any case, however, because when the main gate is manned by a guard (between 7 p.m. and 6 a.m.), employees must either have a decal on their vehicle or must show the guard their employee activity pass to be admitted.

The only motor vehicles that will not be required to show a decal in order to enter a restricted area are unlicensed vehicles designed for construction and material handling (for instance, fork lifts), officially marked government vehicles, and official visitors' vehicles.

Valid Department of Defense decals from other installations will be honored.

Motorcycle operators must complete the Motorcycle Defensive Driving Course as a prerequisite for permanent registration. Although Moped operators are not required to take the course, they are encouraged to

A temporary vehicle pass can be issued by Code 24322 to personnel who have a valid need to enter a restricted area on the Center on a temporary basis. These persons include individuals who don't have an NWC picture pass, persons driving vehicles not registered to them, and those driving vehicles that don't meet requirements for

Official visitors who need to enter restricted areas will be given an official visitor pass by the Official Visitors' Section (Code 24321).

Both the temporary vehicle pass and the official visitor pass must be displayed on the tops of dashboards so they are visible through the windshield.

Sparklers OK, other tireworks torbidden anywhere on Center

With the Fourth of July holiday fast approaching, this timely reminder has been issued by the Fire Division of the NWC Safety and Security Department.

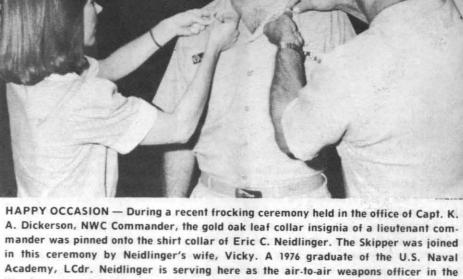
The use of fireworks by individuals anywhere on the Naval Weapons Center is prohibited. This requirement exists even though the City of Ridgecrest has permitted the sale and use of safe and sane fireworks within the city limits.

In spite of this, all China Lakers are advised that (in conformance with NAVMAT 11320.14 and Section 4045 of the Kern County Fire Regulations) the sale, storage or use of fireworks on the Center is not permitted.

The only exception to this regulation is that "sparklers" may be ignited when youngsters are under the personal supervision of an adult.

Navy Hotline

for Fraud, Waste and Abuse Call: (800) 522-3451 (toll free) 288-6743 (Autovon) (202) 433-6743 (commercial)



Weapons Department, and as the F/A-18 air-to-air project officer in the Aircraft Weapons Integration Department. Frocking is a process whereby an officer or chief receives all the rights and privileges of the next highest rank without receiving a raise in pay. It is implemented when the officer has been selected for promotion, but has to wait for a promotion date.

To get military service credit, some must add to retirement fund

Civil Service personnel who had military covered credit. service after 1956 and who want this service credited both to the Civil Service Retirement System and the Social Security Retirement System must make an additional deposit to the Civil Service Retirement fund by October 1985 to receive such credit if they were hired before October

The added amount that they need to deposit equals 7 percent of the basic pay received from the military for any service performed after January 1, 1957, according to the Federal Budget Reconciliation Act of

Employees hired after Oct. 1, 1982, have two years to make this payment without being charged interest if they wish Civil Service credit for their military service.

Personnel who do not choose to make this contribution prior to their retirement will be covered under an earlier law passed by

Under the terms of this earlier law, as of January 1957, all members of the military are required to contribute a portion of their base pay to the Social Security Administration. These contributions entitle members of the military to Social Security Old Age and Survivor Benefits when they reach age 65, if they have the necessary quarters of

Prior to the 1957 date, all former members of the military who accepted Civil Services positions were given full Civil Service retirement credit for all time served in the military.

The effect of this change in the law on retirement computations of Civil Service employees with post-1956 credit has become known as "Catch-62" because those who retired before they were 62 years of age received Civil Service annuities that were based on all federal service, including military service, until they attained the age

At that time, their annuities would then be recomputed. If they were determined to be eligible for Social Security benefits, the Civil Service annuity then was recomputed without crediting the post-1956 military service, thereby reducing the amount of the Civil Service annuity

The Federal Budget Reconciliation Act has enabled such employees to be able to credit their military time to both systems by paying the additional amount into the Civil Service Retirement System.

Employees considering making this deposit may obtain further information and the required forms by contacting Eileen Baird, Code 091, at NWC ext. 2018 or 2592.

John Pearson honored.

(Continued from Page 1)

The American Society of Mechnical Engineers has elected Pearson to the grade of Fellow in recognition of his contributions to the field.

Pearson's more than three-decade career at China Lake has been one of continuing growth in contributions and recognition. Starting as a research physicist (mechanics) in 1951, he performed the research studies that led to the publication of his book on "Behavior of Metals Under Impulsive Loads."

In 1955 he become head of the Warhead Research Branch in the old Propellants and Explosives Department, and started his work on controlling fragmentation by control of shear fractures. In addition, he did the pioneering work on explosive metal working.

Three years later (in 1958), Pearson and his branch were transferred to the Research Department and at that time became involved in the field of explosive

In 1966, this group became the Research Department's Detonation Physics Division

and, during the years from then until 1983, this division (under Pearson's direction) acquired national and international recognition for expertise in the fields of explosive interaction with metals, fragmentation control, terminal ballistics, and warhead

Pearson continued his personal contributions with a steady output of patents, technical publications and presentations. He is the author of three books and also has written 57 open literature publications, and 46 NWC technical publications.

In addition, he has been a guest lecturer on the subject of impulsive loading at scientific meetings, symposia, and technical panels in this country, as well as abroad. He also has served as a National Lecturer for the American Society of Mechnical Engineers, the American Society for Metals, and the American Society of Tool and Manufacturing Engineers.

Pearson retired from Civil Service in 1980, but was immediately rehired as a career reemployed annuitant and continued as head of the Detonation Physics Division in Code 38 until April 1983 when his duties became those of a senior research scientist.

Title in Northern Area tourney won by men's softball team

Coming back last week from a least ad defeat by Point Mugu, the NWC varsity men's slow pitch softball team won the Northern Area eliminations and the right to compete this week in the Southern Pacific Sports Conference championship event, which began Tuesday at the Naval Air Sta-

tion, Miramar (near San Diego). The China Lakers were battered 17-0 by Point Mugu in the first game of the double elimination tourney held at Pacific Missile

The long trip, combined with a change from warm weather here to the cold, damp climate of the coast, turned out to be the downfall of NWC varsity in its first game of the Northern Area eliminations.

On the following day, however, Stu Caldwell pitched a three-hitter for the China Lakers in a defensive struggle with Port Hueneme in a game that was won, 4-2 by the NWC varsity.

This set the stage for a rematch on the evening of Tuesday, June 19, with Point Mugu. The Missileers committed six errors in the second inning and allowed three NWC varsity runs to score.

The game ended in a 6-3 win for the China Lakers, thanks to a triple by Jeff Eden that drove in three more runs for the local team.

Since this was a double elimination tournament, a third and final game between the tourney NWC varsity and the Point Mugu Missileers was required. It was played on way back from a shattering loss in their Cod by a score of 7-6. first game to win the Northern area eliminations.

In the title decider, the NWC varsity led all the way - getting a boost from a in a game played with the San Diego Naval three-run home run by Tom Viviano in the third inning, as well as from another circuit clout by Viviano, who was the lead-off batter for the China Lakers in the fourth in-

The Point Mugu team scored three runs in the seventh and final inning, but was unable to overcome the 10-5 lead built up by the NWC varsity.



PHYSICAL FITNESS STRESSED - With Capt. Scotty Vaught, Chief Staff Officer, holding down his legs, Capt. K. A. Dickerson, NWC Commander, goes through a sit-up exercise that was part of the mandatory physical fitness testing of Navy personnel assigned to the Center. Looking on is Lt. Dave Feldman. the NWC Physical Fitness Of-- Photo by PHAN Greg Hogan

NWC women's softball team has tough time in two tournaments

Playing in two tournaments last week, posting a record of one win and four losses.

The China Lakers traveled to the North for three runs. Island Naval Air Station in San Diego on June 18 to compete in the Women's Southern Pacific Sports Conference

In this double-elimination event, the NWC that knocked them out of the MDISL com- all good for catching the fish at Upper Twin Wednesday, June 20, and won 10-8 by the but then bounced back the next day to 7-2 fourth inning deficit to win by a final ervoir. China Lakers who, in doing so, came all the defeat a team representing the USS Cape

In their third and final contest at North coming out on the short end of a 11-7 score

softball tourney held at Norton Air Force Base in San Bernardino.

In this contest, the China Lakers tallied the NWC varsity women's slow pitch soft- all of their runs in the fourth inning, when and a lot of anglers are bringing back ball team was eliminated quickly after singles by Anna Reilly and Patty Buckelew limits. The fish are in the 10-12 in. range,

early in their game with the Fort Irwin local team had to settle for another loss Small lures, worms and marshmallows are

score of 9-7. Island, the NWC entry was eliminated after Fort Irwin game, and scored four more brown trout. runs in the second inning.

Leading hitters during this surge by the China Lakers were Terri Mitchell, who On the return trip, the China Lakers parplays the rover position; Anna Reilly, first ticipated in the Mojave Desert Inter-ser- base; and Peggy Barrette, the short stop, vice League's (MDISL) women's slow pitch who all came through with hard-hit singles. Jean Bormett pitched a good game for

the NWC women's varsity team against the In game No. 1 of this event, the local Fort Irwin Pioneers, who picked away at such areas. team was defeated 16-3 by a team repre- the China Lake lead by scoring a run in the (Continued on Page 7)

and a double by Peggy Barrette accounted and are going for either the fly-and-bubble combination or red eggs and white Things looked better for the China Lakers marshmallows. Pioneers on Saturday morning, but the from Upper Twin Lake at Bridgeport.

varsity lost its first game to SurfPac 10-8, petition. The Fort Irwin squad overcame a Lake, at Lower Twin Lake and at the res-At upper Rush Creek, a fly fisherman The NWC women started off strong by tied a Royal Coachman fly onto his line, scoring three runs in the first inning of the dropped it into the water, and landed a 7 lb.

DFG asks campers not to locate near watering holes

remind campers that wildlife has to come in nightly to watering holes or to established watering places so campers should place their camp sites at least 100 yards from Animals will then feel free to come in

FROCKING CEREMONY HELD - It's now LCdr. Timothy C. Rivers, following a frocking ceremony held recently in the office of Capt. K. A. Dickerson, NWC Commander. LCdr. Rivers' wife, Kimberly, was present for the occasion and joined the Skipper in the ritual of pinning the new insignia of rank onto the collar tabs of her husband's uniform. A naval aviator for the past seven years, LCdr. Rivers was transferred here two years ago from the Test Pilot School at Edwards Air Force Base. He is assigned to duty as the A-6 Projects Officer in the A-6 Weapons Software Support Activity Office (Code 3104). Frocking is a process whereby an officer or chief receives all the rights and privileges of the next highest rank without receiving a raise in pay. It is implemented when the officer has been selected for promotion, but has to wait for a

(Continued from Page 1)

computer did have a good result in that

these led to the development of machine

languages such as LISP that are not

The human brain doesn't reason serially

- one step at a time - like the Von

Neuman digital computer, but recognizes

patterns to cut down the amount of data

that needs to be considered. During the

1970s, much research money went into try-

ing to develop a computer that could

recognize patterns; some pattern recogni-

tion was achieved, but the error rate was

unacceptable when the patterns were in the

field of human communication such as

Expert systems, however, were

developed that could help with reaching

decisions. These expert systems use "rules

of thumb" formalized by computer per-

sonnel in talking with experts in a field to

determine how these experts make a deci-

One expert system, for instance, was

developed to help diagnose and prescribe

treatment for bacterial infections. Thou-

sands of bits of information and "rules of

thumb" were programmed into the com-

puter; when used by medical personnel to

diagnose symptoms and data about a pa-

tient, the computer has proven to be about

70 percent correct in its diagnosis, which is

about the same percentage attained by

The number of expert systems that have

Workshop on 'Skills

for Success' slated

on July 20 by FWP

rules of thumb that need to be programmed police.

human diagnostic specialists.

vet, heads local recruiting office "Join the Navy and see the world," a The local Navy recruiter, who had been

service, is still just as applicable today as

ROCKETEER

At least that's the experience of Ship's Serviceman 2nd Class James Friedman. who was assigned to the local area recently to man the Navy Recruiting Office at 130-C S. China Lake Blvd., Ridgecrest.

SH2 Friedman, a veteran of eight years

During two overseas cruises and a half of a third one, the USS Okinawa, home-based at San Diego, made stops at a number of ports and naval installations ranging from the Philippines, Japan and Korea, to Taiwan, Singapore, Hong Kong, the Fiji Islands, Australia and Sri Lanka, as well as Mombassa in Kenya (Africa).

Hallmarks of artificial intelligence, as

universities, industry, and government laboratories to study and advance high performance machine intelligence. Areas being looked at include expert systems that codify and mechanize practical knowledge, common sense and expert knowledge; artificial intelligence functions such as mechanization of speech recognition, vision and natural language understanding; system development environments to simplify and speed prototyp-Such a super computer is not going to be ng; new theoretical insights in computer developed in one step, but some intermediscience; computer architecture to exploit

concurrency in parallel systems; microsystem design methods and tools; microelectronic fabrication As is appropriate for NWC, applications putting a proper use to the massive of artificial intelligence that could be used amounts of information available in the in the Center's product line in accordance cockpit of a modern military aircraft dur-

ing flight.

with its mission are being considered. Designated as the Center's prime contact with DARPA in the area of artificial intelligence is Ken La Baw, the Assistant for electronic warfare, target recognition and Technology Base Development in the control reconfiguration of the flight con-Research Department. Dr. Dave Andes trols if an aircraft or missile is damaged in from the Warfare Analysis and Require-

unknown or unexpected elements.

The Defense Advanced Research Pro-

jects Agency (DARPA), as is its role in

sponsoring "high risk" research, is pro-

viding research money to a wide range of

Use of 'intelligent' computers studied. . ments Group of the Weapons Department has been designated to look at artificial intelligence with regard to the Center's mis-

> they see it, are that it uses non-numeric methods and goals, is structurally very complex, is adaptive and incremental. satisfizes rather than optimizes (makes use of what is enough information rather than examining all possible outcomes), and responds in a human manner (vocally or by some signals with which it can converse" with humans). An overall goal would be for the artificial intelligence to learn by expe-

ate developments might prove of immense value to some of the Center's product line. Of initial primary interest to NWC is the possible development of a pilot's assistant" that could assist a military pilot in

the needed knowledge and data bases i

to call is 375-4603

If he doesn't have the answer to a par-NWC has also launched efforts to develop Friedman said.

Summer hours of operation at the Center library (from July 1 through Sept. 15) will be from 9 a.m. until 8 p.m. Mondays through Fridays and from 1 to 8 p.m. on Saturday and Sundays.

Due to holiday, Monday deadline set for Rocketeer

holiday next Wednesday, July 4, an adjustment has to be made in the deadline for submitting information or articles for publication in the Friday, July 6, issue of the Rocketeer.

Those with news items they wish published in the July 6 Rocketeer must turn them in no later than 4:30 p.m. on Monday, July 2.

Anything that is available earlier and can be brought or phoned to the newspaper office prior to the deadline will assist the staff in getting next week's newspaper out on time in spite of the abbreviated work schedule.

SH2 James Friedman, 8-yr. Navy

Navy recruiting slogan that is older than in charge of the barber shop while serving most men now serving in the sea-going on the USS Okinawa, was the assistant director of the USO and worked at a community center at Apra Harbor on the Island of Guam. He also was record keeper in the

of active duty in the Navy, can look back on sea duty on the USS Okinawa, an assault landing ship from September 1976 to May

From the USS Okinawa, SH2 Friedman was transferred to the the USS Proteus, a subtender, based at Guam, where he remained from June 1980 to October 1981.

do, Fla., where SH2 Friedman remained for two months prior to reporting to the Navy Recruiting District in Los Angeles and subsequent assignments to recruiting offices in the San Fernando Valley prior to his recent transfer here.

SH2 Friedman met and married his wife, Charla, while at the Navy Recruiting Office in Canoga Park. He was accompanied here by Charla and their 16-month-old daughter

He's available to answer questions and provide information on various enlistment programs offered by the Navy on weekdays from 8 a.m. to 5 p.m. The telephone number

ticular question, he'll make sure that he gets it at the earliest possible time, SH2

Center Library will remain open longer in summer months

The library will not only be open on Wednesday, according to Elizabeth Shanteler, the Center librarian, but also will be open on Wednesday, July 4, which is a holiday for most Civil Service employees and military personnel at NWC.

Because of the Independence Day

3 Air Force Cadets participate in research program

When he completes four years at the

USAF Academy in Colorado Springs next

June, he will have been in one place for the

longest period of time in his life, Cadet

A graduate of St. Viator High School in

Arlington Heights, Ill., where he was editor

of the high school newspaper in his senior

year, Cadet Hilbing carried this interest in

journalism and writing on with him to Col-

orado Springs and, for the past 11/2 years,

has been editor of The Talon, a high quality

magazine published nine times per year at

This is an extra-curricular task that he

His father, who has a Ph.D in industrial

engineering from Stanford University,

enjoys, along with singing in the Catholic

the USAF Aacademy.

Choir, Cadet Hilbing said.

for a few weeks this summer gaining ex- of life for the Hilbing family posure to various phases of the Navy's research and development process as participants in the Cadet Summer Research

The future Air Force officers are Cadets John F. Hilbing, Mike Ferreira, and Kirby

Their sponsors are John LaMarr, head of the F/A-18 Facility Branch in the Avionics Division of the Aircraft Weapons Integration Department, in the case of Cadet Hilbing; Charles Anderson, assistant group head for administration in the Weapons Planning Group, who has Cadet Ferreira under his wing; and Leonard Haugen, head of the Laser Guidance Branch in the NWC Weapons Department's Electro-optics Division, who is sponsoring Cadet Colas.

Cadet Hilbing is assigned to one of the FA/18 work stations, where he is involved in analyzing the timing of various avionic models

The Weapons System Support Facility in Code 31 "models" certain functions on board the F/A-18 aircraft, such as its radar, and each of these models is fed into a computer along with a bulk of other data.

Cadet Hilbing is developing the software to determine how long it takes to run each model on the computer, and, based on that

Cadet John F. Hilbing

timing analysis, effort will be made to

eliminate bottlenecks in the total software

The son of a Air Force officer, Lt. Col.

Jack Hilbing, USAF (Ret.), Cadet Hilbing

is looking forward to a career in the Air

Force that will utilize his higher education

Given the opportunity, he would like to

attend graduate school at either the

Massachusetts Institute of Technology or

the California Institute of Technology for

physics-related field upon graduation next

June as a second lieutenant in the Air

While his parents' home is now in Buffalo

Grove, Ill. (some 20 miles from Chicago),

he was born in a hospital at Wright-Patter-

further study in a computer science or

Colorado Springs.

Cadet Mike Ferreira

preceded him to the USAF Academy as an instructor in computer science for two years, 1968 and '69.

Cadet Ferreira, who is majoring in mathematics at Colorado Springs, is involved at NWC as a junior analyst supporting weapons-related analysis projects conducted within the Weapons Planning Group. He is developing different scenarios for Fleet air defense against advanced Soviet bombers - work that later will become part of the software for a computer simulation program.

A native California, Cadet Ferreira hails from the nothern part of the state where he grew up in San Leandro before moving to as a major in computer science, physics Dublin (near Oakland).

and mathematics at the USAF Academy in A career as a military avi he set for himself early in life, but it wasn't until he was a student at Dublin High School that he decided upon striving for an appointment to the Air Force Academy instead of the Naval Academy at Annapolis.

Cadet Ferreira is looking forward to his senior year at Colorado Springs since his training will include learning to fly the T-41 aircraft, the Air Force version of the

who are now in their senior year, were here moving every two or three years was a way his high school days when he played Springs. baseball and was a distance runner (2mile) on the track and field teams.

He's enthused about the opportunity the Cadet Summer Research Program has provided him to obtain good hands-on ex- Service employe working as an electrical perience regarding actual military pro-

He's also looking forward to orientation flights on tactical military aircraft before he leaves here on July 3.

In addition to becoming as well acquainted as possible with NWC in the short span of six weeks allowed for the Cadet Summer Research Program, the three USAF cadets who are currently on board have visited the Rockwell Space Shuttle Assembly Plant in Palmdale, and Edwards Air Force Base as part of their familiarization with research and development ac-

Cadet Colas is working with a team of engineers from Code 3942 who are evaluating the Maverick missile's signal software processor. Close attention is being paid to the missile's ship target tracing capabilities to determine if it is performing to the specifications that the Navy requires.

While this is the primary task assigned to Cadet Colas, whenever he comes across information on other projects that piques his interest (and does not require a background knowledge) he has the option to pursue it as well. This includes such activities as those involving the Skipper Program, Laser Maverick, the Hellfire Missile



Cadet Kirby R. Colas

Another Californian, his home is in Running Springs (in the San Bernardino Mountains) and he was graduated from Rim of the World High School in 1980.

Program, Advanced Anti-Ship Targeting

Developments, and instrumentation for

After a year at San Bernardino Valley College, he received a Congressional appointment in June 1981 to the USAF Academy, where he and other new arrivals found they had a big adjustment to make Like all cadets at the Air Force (both physically and mentally) to the reg-Academy, he is actively involved in intra- imented way of life that begins with a tough

Three U.S. Air Force Academy Cadets, son Air Force Base in Dayton, Ohio, and mural sports programs - a follow-on from six weeks of basic training at Colorado

Cadet Colas is majoring in electrical engineering at the USAF Academy. His father, James, is a retired Air Force Reserve lieutenant colonel who is now a Civil engineer at Norton Air Force Base in San Bernardino. While on active duty in the Air Force, he was a navigator.

The goal of Cadet Colas as a senior at the Air Force Academy is to be a fighter pilot and he, too, is looking forward to orientation flights here in tactical military aircraft, as well as the start of his own flight training in a small, single engine aircraft during his last year at Colorado Springs.

During the summer months at the USAF Academy, Cadet Colas has taken advantage of the opportunity to earn his "jump wings" as a free-fall parachutist, and also has engaged in powerless flight in sailplanes (gliders) — a type of training that he feels will better prepare him for becoming a pilot.

In addition, he is working on earning his FAA private pilot's license, which he hopes to have by the end of this year.

After hours time, when not cracking the books, is spent snow skiing when the season is right for it around Colorado Springs, and he also plays on the academy racquetball team, in addition to being active in the intramural sports program.

The NWC orientation program for the three Air Force Cadets has included visits to the China Lake Propulsion Laboratories and the Electronic Warfare Threat Environment Simulation Facility.

Talk about quality of medical care set at next ASPA meeting

Anyone concerned about the quality of medical care - and increasing government regulation of medical care - is invited to attend a talk by Dr. R. W. C. Jones entitled 'Mestigine in the 80s: Was Orwell Right?"

The talk will be given during an open meeting of the East Kern County Chapter of the American Society for Public Administration (ASPA) on Thursday, July 19, at 11:30 a.m. in the Mojave Room of the Commissioned Officers' Mess.

At this meeting, ASPA will also present its prestigious R. W. Bjorklund Management Innovator Award that is presented annually to honor innovative and risk-taking management by a manager in the public sector or in a community-based organization.

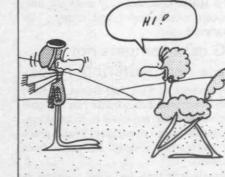
Menu choices for the luncheon are either a chef salad (\$3.25), the soup-and-salad special (\$2.95), or patronize the salad bar at the Commissioned Officers' Mess. Reservations are required and must be made by the close of business on Friday, July 13. They may be made by teler George Linsteadt, at NWC ext. 2305, or Mickey Strang, ext. 3354.

Metal Trades Council

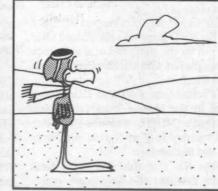
The Indian Wells Valley Metal Trades Council will hold its next monthly meeting on Thursday, July 5, at 4:30 p.m. at 520 E. Inyokern Road.

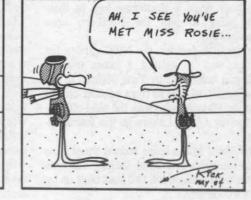
The Council is the representative of a unit composed of the Center's non-supervisory, ungraded, civilian employees who are

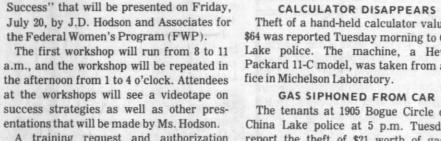
64 # FICK ST. GERMAIN











on the fingers of two hands, in part because Enlisted Quarters Rm. 212-C was reported

of the vast amounts of information and on Thursday of last week to China Lake

into the computers. And so far, none of The occupant of this room returned to his

these successful expert systems has dealt room to discover that \$20 in cash was miss-

with military situations because most ing from a dresser drawer. There was no

Both men and women are invited to sign The money disappeared while the victim

up for two workshops entitled "Skills for was exercising at the gym.

A training request and authorization plans to attend the workshop so that the form can travel through normal departmental channels and reach Code 094 by the close of business on Friday, July 6.

Theft of a hand-held calculator valued at \$64 was reported Tuesday morning to China Lake police. The machine, a Hewlett-Packard 11-C model, was taken from an of-

sign of forced entry, police stated.

CASH STOLEN AT GYM

men's trousers left hanging in the men's

locker room at the Center gym was

reported last week to China Lake police.

The theft of \$225 in cash from a pair of

GAS SIPHONED FROM CAR The tenants at 1905 Bogue Circle called station.

China Lake police at 5 p.m. Tuesday to report the theft of \$21 worth of gasoline form must be submitted by anyone who from a vehicle they had left parked on the street in front of their house.

> VEHICLE FIRE EXTINGUISHED Quick work Monday afternoon by China Lake police resulted in the extinguishing of claimed at the China Lake police station.

China Lake Police reports been developed successfully can be counted A mid-afternoon burglary of Bachelor a vehicle fire, but not before the driver sustained second degree burns while looking under the hood to see what had caused the

China Lake firefighters, who also rushed to the scene in the 1500 block of East Inyokern Road, transported the motorist to the Branch Medical Clinic for treatment of his injuries.

The vehicle in which the fire occurred was a 1978 Chevrolet Camaro.

WALLET TAKEN FROM CAR

At 7:50 a.m. on Friday, June 22, the victim of a theft reported that an unknown person removed his wallet from his vehicle while it was parked in the parking lot of Michelson Laboratory. Estimated loss, counting the credit cards, was \$48.

HONDA KEY AWAITS OWNER On Friday a Honda key was found on Dibb Road in the old duplex area. The key can be reclaimed at the China Lake police

BOX OF TOOLS FOUND At 7 a.m. on Monday, the police received a report that a tool box with identifiable tools was found in the Randsburg Wash Road. The tools and tool box had apparently fallen from a vehicle. They may be

ships stores sales office on board the USS

When stateside duty beckoned, it was to

attend a Navy Recruiting School at Orlan-