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ROCKETEER



Park Fun Festival was such a success that plans call for making it keeping a Frisbee in the air, these three girls practice their tossing an annual summer's-end event. Sixty-five children participated in techniques. The watermelon-eating contect attracted a large crowd the fun and games that lasted for several hours on the afternoon of of participants - approximately 40 youngsters dove face-first into Aug. 31. In the top photo at left, a grimace is all that can be mustered watermelon slices. Body tattoos were a big attraction as children for the camera as a wet sponge hits its mark. The fishing booth was applied their talents to decorating themselves and each other with a corner for concentration as children attempted to upright pop water-soluble paints.

FINAL FLING OF SUMMER - Recreation Services' first Solar bottles. Doing their best to break the Guiness world record for

Desert Empire Fair parade entry forms due Thurs.

entry forms in order to participate in the 1983 Desert Empire Fair parade.

The procession, which is an annual highlight of the local celebration, is scheduled on Saturday, Sept. 24, and will follow a route northbound on China Lake Boulevard from French Street to the triangle area in the vicinity of Inyokern Road.

The grand marshal of this, the 33rd annual Desert Empire Fair parade, will be Capt. Melvin Etheridge, USN (Ret.), who served as Commander of the Naval Weapons Center during the period of 1967-69. Capt. Etheridge now resides in Simsbury, Conn.

Prospective parade participants can obtain entry forms in Ridgecrest at the city hall, Chamber of Commerce office, the library, and at the fairgrounds. The deadline for their return to the DEF office is next Thursday, Sept. 15.

Late entrants in the parade will be ineligible for awards, and will be placed in the line-up at the discretion of the parade committee

Nominations of individuals who will be honored as marshals of the various divisions of the parade also are being sought at this time. Officials of the Desert Empire Fair would like to pay tribute to local area residents who have done something special for their community.

Those wishing to submit the name of a friend or neighbor to be honored as a parade marshal can do so by calling the Desert Empire Fair office, phone 375-8000, on

Military Wives Club sets first luncheon meeting of new year

The Military Officers Wives Club will hold its first lunch meeting of the fall season on Tuesday, Sept. 27, at the Hideaway Restaurant in Ridgecrest. Wives of active duty or retired military officers residing in the Indian Wells Valley are invited to attend

The meeting will begin with a social hour at 11 a.m., followed by lunch at 11:30. Virjean Miller will demonstrate microwave cooking starting at about 12:30 p.m.

The price of the lunch, including tax and tip, is \$6.50 per person.

Anyone planning to attend must make a reservation by Monday Sept. 12. Reservations can be made by telephoning either Louise Tankersley at 446-4226 or Kathi Vaught at 446-5454.

terested in doing so to submit completed Once again, Roberta Leighton is serving event that are scheduled on Tuesday as chairman of the parade committee. She evenings at 7:30 in Joshua Hall at the is looking for volunteers to assist with all fairgrounds from now until the opening of aspects of the handling of this event - from the fair on Wednesday, Sept. 21. advance planning to being responsible for last-minute details on the day of the procession

Parade helpers are invited to attend

Less than a week remains for those in- weekdays from 8 a.m. to noon and 1 to 5 p.m. meetings of the committee in charge of this

Numerous awards and prizes will be distributed to the entries judged to be the most outstanding in their particular division of the parade competition.



"Raven," a rock music-style band from the Los Angeles area, will play tonight from 9 o'clock to 1:30 a.m. at the Enlisted Mess.





READY FOR NEW YEAR - The Women's Auxiliary of the Commissioned Officers' Mess will begin another year of social activities and special events at a membership coffee on Tuesday, from 9:30 to 11:30 a.m. Because the COM is being renovated and redecorated, the coffee will be held in the Enlisted Mess. In keeping with the "Creative Quests" theme of this kick-off program, Linda Smith, WACOM membership chairperson, finishes a knitting project that will be displayed Tuesday, along with various types of handcraft and sewing work done by WACOM members. The membership coffee is open to current and prospective members of WACOM and their quests.

September 9, 1983

Pops concert slated by Desert Community **Orchestra Saturday**

The annual Pops Concert at 7 o'clock omorrow evening on the lanai of the Commissioned Officer' Mess will begin the 1983-84 concert season of the Desert Community Orchestra.

Stan Ricker will conduct the orchestra's playing of Strauss's "Emperor Waltzes," Alford's "Colonel Bogey March," Handel's overture to "Samson," Fucik's "Entry of the Gladiators," Suppe's "Light Cavalry Overture," and the "Battle Hymn of the Republic.'

No admission will be charged for this concert, since U.S. recording companies support, in whole or in part, the instrumental music through the Music Performance Trust Fund, as arranged by the American Federation of Musicians, Local 263.

Season tickets for the remaining concerts of the Desert Community Orchestra are now available. For further information about these, telephone Lou Ava Seybold at 375-7455 or Lorraine McClung at 375-7987.

Stargazers to hear talk about changing weather Mon. night The next monthly meeting of the China Lake Astronomical Society (CLAS), will be

held in the Sylvia Winslow Exhibit Gallery of the Maturango Museum on Monday, Sept. 12, beginning at 7:30 p.m. Dr. Pierre St.-Amand, the featured guest

speaker, will discuss "Changing Weather on Planet Earth and Water Management" during his illustrated lecture. The public is invited to attend.

Also scheduled is an illustrated talk on the 'History of the Greenwich (England) Observatory" by Ron Hise, CLAS president, who recently visited the site.

Fundamentally important for worldwide navigation and time zone designations, the Greenwich Observatory is the location from which both the earth's Prime Meridian and Universal Time are measured.



September 9, 1983

Vol. XXXVIII, No. 36

NAVAL WEAPONS CENTER CHINA LAKE

Banura gets Tech Director Award for outstanding job as electronics design eng.

Special recognition in the form of the NWC Technical Director Award came this week to George Banura, a consultant in the System Electronics Branch of the Engineering Department's Systems Engineering Division.

B. W. Hays, NWC Technical Director, presented the award to Banura during Tuesday morning's meeting of department heads and senior Center officials who attended the weekly Commander's meeting in the Management Center of Michelson Laboratory.

Banura received an engraved paperweight, a letter of commendation, and a stipend that accompanies this special form of a Superior Achievement Award.

The latest recipient of the Technical Director's Award was not singled out for recognition for a solitary accomplishment of singular importance. Instead he was cited for "the successful completion of many tasks which include: analyzing and documenting the design details of the AIM-9M Sidewinder guidance control section

electronics system, designing a highly effective hybrid microcircuit for the Sidewinder closed cycle cooler program, and designing internal guidance control section power supplies for the Sidearm as well as other missile programs."

The letter of commendation signed by Hays also noted that Banura's contributions "are of a fundamental rather than a conspicuous nature and provide a thorough v sound basis for further design, development, and production.'

In addition, Banura was hailed for the excellence of his work, which was labeled "of major significance to the successful completion of the mission of the Naval Weapons Center."

Banura's nomination for the NWC Technical Director Award was made by J. M. Johnson, Jr., his division head, and endorsed by D. J. Russell, head of the Engineering Department.

Russell wrote: "George is not the man who stands in the limelight of a technical program and gets the lion's share of the credit, such as the technical manager. Instead, his contributions are more fundamental.

"He establishes designs that are thorough and sound upon which those programs are based. He is an outstanding circuit designer; his designs are well thought out and analyzed before they get into hardware. He is one of too few engineers using visual range necessary to obtain adequate qualified components at the outset, rather (Continued on Page 7)

TOPNOTCH EFFORT RECOGNIZED - At his work bench, George Banura, latest recipient of the NWC Technical Director's Award, checks operation of electronic circuits for the power supply of the guidance control section of the Sidearm missile. B. W. Hays referred to Banura as a "classic design engineer" in remarks that preceded presentation the Tech Director Award. - Photo by PHAN Rebecca Gill

fudy results announced

.A. basin smog degrades air quality in desert

A \$250,000 study funded by the California Nev Air Resources Board shows that smog from the Los Angeles basin dramatically and north of the basin, and that smog from the San Joaquin Valley affects visibility both over Edwards Air Force Base ranges and the Naval Weapons Center's test ranges.

The results of this transport study come as no surprise to the Navy, Air Force, Army and National Aviation and Space Administration (NASA) officials whose test range operations depend on clear air and visibility in excess of 30 miles. They've watched the clear air needed for essential weapon and aircraft tests deteriorate, have presumed the degradation to be due to smog, and now have scientific data to support those beliefs.

Dust also degrades visibility, but dust from the skies more rapidly than the induring the rains. smaller aerosols resulting from industrial, mining, and utility operations.)

in restricted airpace R-2508) must be structured on the basis of knowledge of actual conditions, a 15-month study will begin shortly. The study will determine visual requirements for testing, causes of air quality degradation by determining what material is in the air, and attribute these materials to their sources.

Primary monitoring stations (receptors) will be established at locations where operations are carried out requiring visibility. These will be located at the China Lake test ranges, the Randsburg Wash test range, Edwards Air Force Base, and the Army's Ft. Irwin.

Secondary stations designed to determine sources of pollution will be located in the Pass, Soledad, Tehachapi, and near Big Pine.

The stations will be managed by the smaller. Protection Agency facility at Las Vegas, the north.

Since the operations dependent on clear air are photographic tracking, video degrades air quality in the desert to the east tracking, remote piloting and flight testing and training, poor air quality reduces data quality, increases data acquisition costs, reduces test range flexibility, and threatens actual mission capability. A study to

NWC rockelee

determine how much these are affected will be carried out.

The flight test facilities at China Lake and Edwards will identify the tests that must have optical data test objectives to meet. They will determine the minimum (Continued on Page 3)

Cracks, sinkholes expand in recent heavy rains

the road about 0.8 mile east of the Spangler large, and several appear to be undercut Railroad Crossing - a metal plate laid on with a weak arch of clay covering the the road surface to ensure that no vehicle surface. Walking around these could be (and the runways on that lake bed) at Edwould break through the asphalt if the road should be undercut.

On either side of the road long cracks, sinkholes, and gullies give dramatic particles are larger and therefore settle out evidence of the amount of water that poured

While an inch-wide crack appears in the asphalt, determining just how much the Since the visibility monitoring program of road might have been undercut by the acthe Center (and of the other establishments tion of the water will have to wait until the soil has dried out sufficiently for close examination

Even though the system of cracks and sinkholes at this point and at another location about 500 yards further east were dramatically widened by the rains, both systems were observed more than a decade ago by John DiPol, who recently retired as head of the Center's Range Department.

DiPol spotted the cracks from a helicopter as he was being flown to Echo Range. Subsequently, he and Dr. Pierre St.-Amand, then head of the Earth and Planetary Sciences Division of the Research Department, studied the cracks further.

At that time, both systems were only visible on the north side of the road. The one various mountain passes including Cajon system was about 1,000 feet in length, up to 5 feet wide, and more than 30 feet deep, with the other system of cracks being somewhat

Lockheed Company under a contract issued Both cracks have propagated since. The by the Environmental Monitoring and one that crosses the road extends nearly 800 Simulation Laboratory, and Environmental feet south as well as having lengthened to

dangerous if the clay top collapses.

Both Dr. St.-Amand and Dr. Carl Austin,

Motorists driving to the Center's Rands- The second crack system now consists of the geologist who heads the Geothermal burg Wash/Mojave B range complex after cracks and sink holes, some of which are Division of the Public Works Department, the recent heavy rains found an addition to still filled with water. These sink holes are believe that these cracks may be caused by the same phenomena that has created extensive cracks across Rogers Dry Lake wards Air Force Base, at Cantil, and in (Continued on Page 3)



GRAND CANYON IN THE MAKING - Water and mud at the bottom of this crack north of the Randsburg Wash Road hide the depth of the fissure in the earth.

Page Two

incement No. C-62-27, Electronics Technician, I 856-2/3, PAC No. 8262527N, Code 62118 - This position is located in the Instrumentation Support Section, Ballistics Test Branch, Ordnance Test & Evaluation Division of the Range Department. The Instrumentation Support Section is responsible for the operation and maintenance of the Skytop Static Propulsion Test Facility Data Acquisition Instrumentation System. Section personnel are responsible for layout, interconnection, and conditioning of transducers in the test bay as well as sub-system interfacing and real-time data recording in the control room. Jo Relevant Criteria: Knowledge of experimental test procedures and electronic trouble-shooting techniques; lamiliarity with a wide variety of transducer designs experience in electronics design and modification and ability to use electronic test equipment and hardware. Experience with analog and digital recording is preferred Ability to coordinate efforts with NWC and contractor personnel is desired.

uncement No. 32-082, Clerk-Typist, GS-322-3/4, PD No. 8332007N, 8332008N, Code 3261 — This position is located the Warhead Development Branch, Conventiona Weapons Division, Ordnance Systems Department. The ncumbent provides secretarial support for the branch. Duties include: answering/directing phone calls and visitors: typing correspondence from rough draft; distributing all incoming mail; preparing travel orders and make travel arrangements; prepare vouchers, security clearances, stubs, timecards. Job Relevant Criteria: Knowledge of NWC filing systems; ability to perform receptionist and telephone duties; ability to operate a Mag Card II typewriter is desirable; ability to review and distribute incoming mail; ability to correct and identify grammatical errors, knowledge of spelling, punctuation and appropriate format on letters and rep ability to work and get along with others. Applications will be accepted from status

ncement No. 35-206, Secretary (Typing), GS-318-3/4, PD No. 8335027, Code 3513 - This position is located in he Systems Effectiveness Branch, Systems Sciences Division, Electronic Warfare Department. Incumbent provides clerical support to the head, Systems Efectiveness Branch. Duties include receiving and directing visitors and phone calls, receiving and screening incoming mail, maintaining files and reports, typing official correspondence, memoranda, reports, viewgraphs, and outine forms from rough, handwritten drafts. Job Relevant Criteria: Ability to perform receptionist and none duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the ministrative needs of the office; ability to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Promotion potential is to GS-318-5, however, promotion is not guaranteed. Supplemental Qualification Statement is required and may be picked up in Rm. 100 of the Personnel

t No. 26-386, Painter, WG-4102-9, JD No. 202N, Code 26414, (3 vacancies)-This position is located in Maintenance-Utilities Division of the Public Works Department. Incumbent prepares wood, metal, brick and masonry surfaces for painting. Paints interiors and exteriors of all types of building and appurtenances. Paints guard rails, fences, barricades, towers, curbings and tanks using brushes, rollers and spray equipment. Blends colors, nixes paints and other protective materials according to directions. Job Relevant Criteria: Technical practices; instructions and specifications; ability to use and maintain tools and equipment of the trade; knowledge of materials; dexterity and safety; ability to do the work of the position ithout more than normal supervision. Sup Qualifications Statement is required and may be picked up at the reception desk in the Personnel Bldg. SF-171 also equired.

ment No. 08-036, Program Analyst, DA-345-1, PAC No. 8308579N, Code 08B1 - This position is in the Standard Automated Financial system (STAFS) Program Office, Office of Finance and Management. The incumben acts as junior analyst in support of other program office personnel. He/she researches specific topics affecting the preparation, implementation, and operation of STAFS using various mathematical, economic analysis, perations research, and computer modeling techniques. He/she assists in the estimate of required physical (computer and communications hardware), functiona (software) and personnel resources to support STAFS. He/she assists in the preparation of formal planning and eporting documents. Job Relevant Criteria: Knowledge in the use of computerized program planning and program tools. It is highly desireable that he/she be management conversant in Pascal and Basic and be familiar with the operation of VAX/VMS DCL and VAX datatrieve. Technical writing and editing skills are required. Promotion Potential to DA-2. Status eligibles will be considered

Announcement No. RB-02-83, Military Pay Clerk, GS-545-4, Personnel Sup port Detachment — The incur ent is an employee of Naval Station, Long Beach, CA but is located at the Personnel Support Detachment, Naval Weapons Center, China Lake, CA. The incumbent provides military pay services for a block of approximately 50-100 active duty and reserve officers and enlisted personnel by performing such duties as computing and processing pay for bi-monthly pay days; computing and processing AC- ROCKETEER

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box at the Reception Desk of the Personne Dept., 505 Blandy. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2264. 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. Advertising positions in the Promotional Opportunities column does not preclude the use of recruiting sources in filling these positions. The filling of these positions through Merit Promotio is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum publication requirements for all GS positions and positions subject to the Demonstration Project are the ned in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X 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 gualifications requirements that may be necessary. For nanagerial/supervisory positions, consideration will be given to applicant's support of the Equal Em nent Opportunity programs and objectives. Applicants must meet time in grade and qualifications nents 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

DUTRA payments: preparing and transmitting NC305's, llotment Request forms; verifying and posting entitlements for various pay and allowance items to Leave and Earning Statements; and receiving pay records, computing pay, and auditing payment postings for tran-sient personnel. Qualifications Requirements: Applicants will be rated based on gualification requirements as listed in OPM Handbook X118. To apply, submit an SF-171, Personal Qualifications Statement; SF-15 and 10-point Veterans Preference Proof, if applicable; and OPM Form lidated Civilian Personnel Office, Naval Station, Bldg. 1, Rm. 151, Long Beach, CA 90822.

ment No. 08-037, Supervisory Clerk Typist, GS-322-5/6, PD No. 8308027N, Code 0823 - This position is located in the Word Processing Branch of the Office of Finance and Management. The incumbent is responsible for technical and administrative supervision of personne in the branch. This includes writing position descriptions selecting personnel, training personnel, evaluating employees' work, recommending promotions and awards resolving grievances, and taking disciplinary actions. The incumbent plans, organizes, and directs the operation of the branch: evaluates the function of the equipment and techniques; and maintains and submits records and reports. Job Relevant Criteria: Knowledge of state-of-theart word processing technology and skill in the use of word processing equipment and dictating/transcribing equipment; knowledge of NWC correspondence procedures, policies, and instructions; thorough command of grammar and spelling; ability to communicate and deal effectively with all levels of NWC employees; and ability to supervise.

t No. 3667, Documentation Reproduction Specialist, GS-1601-1, PD 8336716, Code 3651 - Position is in the Reproduction and Distribution Section of the Data Acquisition and Control Branch, Technical Data Division, Engineering Department. Incumbent oversees the processing, reproduction, and distribution, of engineering entation for equipment/weapon systems for which NWC has technical cognizance. Services provided by the section (including contracted services) include reproduction, storage and retrieval of engineering drawings, specifications, and related documentation, ensuring incorporation of revisions to same; preparation of microfilm aperture cards used for distribution of drawings and other documentation, and wrapping and mailing materials in accordance with applicable regulations. Job Relevant Criteria: Knowledge of engineering documen oduction equipment such as Xerox and diazo duplicators, and card punch, interpreter, computer equipment used in the preparation of microfilm aperture cards; knowledge of NWC engineering documentation reproduction, storage and distribution procedures including appropriate contract provisions; ability to deal effectively with personnel of service organizations and contractors; ability to technically supervise a small clerical/technical staff

Announcement No. 3655, Quality Assurance Specialist/Engineering Data Management Specialist/Computer Specialist, DS-1910, 301, 334-3, PAC No. 8336694, Code 36501 - This is a readvertisement. This position is located in the Software Acquisition Program Office (SASO), Technical Data Division, Engineering Department. The SASO advises Center personnel on em bedded-computer software acquisition, development, product assurance, documentation, and configuration management and, upon request, reviews projects for conformance to embedded-computer software policies, procedures, specifications and standards. The incu assists in the review of statements of work. Contract Data Requirements Lists, software acquisition/development plans, specifications and test plans. Assists in the development of incremental plans, which include identification of people and skills, policy changes, work tasking and staffing, goals, contingencies, and estimated revenue/funding. Performs as a team member of program review or audit/survey teams. Job Relevant Criteria: Knowledge of software development methodologies, soft ware engineering practices and applicable instructions of directives; ability to interpret and analyze plans specifications, instructions, and program needs for specific applications; ability to communicate effectively both orally and in writing; ability to summarize and synthesize complex requirements. Promotion potential to DP-3; however, promotion not guaranteed. Previous applicants need not reapply

ment No. 3650, Secretary (Typing), GS-318-5, PD No. 8336033, Code 364-This position is located in the Engineering Prototype Division, Engineering Department pent provides clerical and administrative support to the division head. Duties include receiving and directing visitors and telephone calls; exercising control tment calendar; setting up meetings and over ap conferences; receiving and screening incoming mail; maintaining files; reviewing, editing and preparing official correspondence and messages; preparing travel orders and itineraries. Job Relevant Criteria: Ability to perform receptionist duties; ability to review, control, screen and distribute incoming mail; ability to compose correspon dence: knowledge of filing systems and files management ability to meet the administrative needs of the office; bility to train clerical personnel and organize workload of clerical staff or processes; ability to plan and coordinate travel arrangements: ability to maintain and coordinate supervisor's calendar and to arrange conferences. Promotion potential to GS-6; however, promotion not Supplemental qualifications statement guaranteed. required with SF-171, which are available in Rm. 100, Personnel Bldg., 505 Blandy. This is a readvertisement and previous applicants need not reapply.

ment No. 3664, Electronics Technician, DT-856-2/3, PAC No. 8236698E28, Code 3623 - The position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. Incumbent is responsible for design, development, and maintenance of specialized prototypes and associated test equipment, for planning and coordinating Sidewinder test programs; for preparing and conducting complete systems tests on passive infrared detecting missile guidance and control groups, and producing technical liaison with test program sponsors, vendors, and other government aclivities. Job Relevant Criteria: Ability to design, fabricate, and maintain electronic devices used in missile systems, ability to plan and conduct test programs; ability to work as a member of a team; ability to communicate both orally and in writing with personnel of varying technical backgrounds; experience in management of a project effort desirable, knowledge of the types of test hardware used for IR air-to-air and surface-to-air missiles desirable. Promotion potential to DT-3.

ment No. 3668, Model Maker Foreman, WS-4714-14, Job Description No. 8236015E, Code 3644 - Position is that of head, Central Model Shop Branch, Engineering Prototype Division, Engineering Department. Incumben directs the branch in fabrication, modification, and assembly of experimental, engineering or prototype nodels of missile assemblies/subassemblies and technical equipment for optical, electrical and laser components for the Center's research and development activities in the most cost-effective manner. Incumbent is responsible for planning work operations to meet project schedules, estimating costs, assigning work to branch personnel in work methods and procedures. Incumbent is responsible for personnel matters such as: hiring, safety, hazard awareness, morale, leave, performance ratings, discipline, and EEO. Job Relevant Criteria: Ability to supervise; ability to plan and organize work; knowledge of different relevant lines of work; ability to work with others: ability to meet deadlines under pressure: ability to suggest and apply new methods; interest in and support of the EEO Program. Supplemental Qualification forms may

by obtained at the reception desk, Personnel Building. cement No. 32-083, Secretary (Typing), GS-318-5/6, PD No. 8032048N, Code 324 - Position is located in the Advanced Technology Division Office of the Ordnance Systems Department. Provides administrative and secretarial support to the head, Advanced Technology Division. Responsible for reviewing and forwarding correspondence, receiving visitors, maintaining super visor's calendar, making travel arrangements, maintaining files and records, preparing purchase orders, etc Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail; ability to review outgoing ability to

Happenings around NWC

Greene are reminded that his retirement party will be held at the Enlisted Mess on first day of instruction. Thursday, Sept 22, with a social hour at 6 p.m., to be followed by presentations at 7 o'clock.

Those planning to attend are asked to telephone Eloise Burklund at NWC ext. 2634 so that name tags can be prepared.

AFGE TO MEET MONDAY The American Federation of Government Employees, Local 1781, will hold its regular monthly meeting at 7 p.m. on Monday at 520 E. Inyokern Road, China Lake.

LITERACY CLASS SLATED The China Lake Literacy Class will begin its fall term on Thursday, Sept. 15, at 9 a.m. in Chapel Annex 4 on Blandy Avenue.

The class, which is for people wishing to learn English as a second language, will meet from 9 to 11:30 a.m. each Thursday until the end of May.

Skills that will be taught are reading,

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and/or nontechnical reports; knowledge of filing system and files management: ability to meet the administrative needs of the office; ability to plan and coordinate trave arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Sup plemental Qualification Statement required along with SF 171, and may be obtained from the Reception Desk in the Personnel Building

uncement No. 31-143, Secretary (Typing), GS-318, PD No. 8331034 Code 3193 - This position is located in the Light Attack Aircraft Branch, System Engineering Division, Aircraft Weapons Integration Departme cumbent provides secretarial support for the branch. Duties include typing letters, memoranda, reports, travel orders, viewgraphs, and forms; reviewing correspondence for correctness/conformance; maintaining files; receiving and directing visitors and incoming telephone calls; preparing timecards: arranging for travel; reviewing controlling, screening and distributing incoming mail Must be a proficient typist and have knowledge of correct grammar, punctuation and proper format. Must be willing and able to be in charge of equipment inventory and outine budget requests. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail ability to review outgoing correspondence; ability to compose correspondence and/or nontechnical reports; knowledge of filing systems and files management; abilit to meet the administrative needs of the office; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences. Supplemental Qualification ent required along with SF-171, and may be obtained from the Reception Desk in the Personnel Building. nent No. 31-144. Interdisciplinary Supervisor General Engineer, Electronic Engineer, Physicist Scientist, DP-855/801/1310/1550-3/4, PAC No. 8331671, Code 3107 - This position serves as the F/A-18 Program Manager, Code 3107. The incumbent is responsible for the overall planning, direction, coordination, and management of the F/A-18 efforts performed at the Naval Weapons Center. He/she performs as a line manager of the program offce personnel and thus must provide per formance goals, assessments and other normal super visory functions, Job Relevant Criteria: Incumbent mus have a broad spectrum of technical knowledge and experience appropriate for aircraft weapons integration avionics and digital systems. Knowledge of Naval Weapons Center management policies, procedures and mission Demonstrated ability to provide direction and leadership to/for a wide variety of organizations and personnel on and off the Center. Ability to effectively interface and com municate orally and in writing with Naval Weapons Center management, high level personnel at other governmen agencies, as well as in industry. Interest in and support of the Equal Opportunity Program (EEO). If hired at DP-3 level, promotion potential to the DP-4 but promotion is not guaranteed. Status eligibles may apply.

cement No. 00-024, Secretary (Typing), GS-318 4/5, PD No. 810014N, Code 00, (2 vacancies) (Intermittent) This position is located in the Office of the commander Naval Weapons Center. The purpose of this position is to provide clerical support to the Office of the Commander. Naval Weapons Center. Incumbent performs such duties as setting up meetings, maintaining all files; typing let ters, memorandum, etc.; opening, screening and routing mail; handling and controlling classified material; an swering and screening phone calls; greeting and assisting isitors: screening classified and unclassified messages. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen, and distribute incoming mail: ability to review outgoing ondence; ability to compose correspondence and/or to prepare nontechnical reports; knowledge of filing systems and files management; ability to meet the histrative needs of the office: ability to maintain and coordinate supervisor's calendar and to arrange co ferences. Supplemental Qualifications Statement required. along with 171. Supplemental available in the Personnel Department, Rm, 100, at the receptionist desk.

No. 31-145, Interdisciplinary, Mechanical, General Electronics, Aerospace Engineer Computer Scientist, or Physicist, DP-3/4 Code 01A6C -The position is head of the Communications Systems Program Office reporting to the Director of Computing Applications. As Progam Manager, the incumbent is responsible for the development of plans, budget and detailed functional requirements of the various modular elements of the proposed upgrade to the Center-wide unications network. The incumbent is also responsible for establishing priorities, developing specifications, procuring and installing the high priority omponents. Job Relevant Criteria: Knowledge of com munications concepts and technology for voice, data, and video. Knowledge of system definitions, design ments analysis and specification developmen process. Knowledge of the contracting and acquisition process as it pertains to facilities. Ability to deal effectively with others. Ability to communicate effectively in oral and written form. Ability to establish liaison with all levels of commands and offices. If position is filled at the

Military and civilian friends of Capt. Bill writing, and speaking the English language. Registration will take place in class on the

For further information, contact Lucille

Bergthold by calling 446-6236.



The Rocketeer Official Weekly Publication Naval Weapons Center China Lake Captain K.A. Dickerson NWC Commander B. W. Hays

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Dennis Kline Public Affairs Office

> Don R. Yockey Editor

Mickey Strang Associate Edito

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September 9, 1983

Owens Valley fishing slow despite good weather Labor Day

The beautiful weather over the Labor Day weekend ensured that lots of anglers would be dropping lines into the creeks of the Owens Valley and into the streams and lakes at the higher elevations.

Fishing in the southern end of the Owens Valley was fairly slow after initial good fishing for anglers who staked out their places early. Warm weather (and having caught most of the planted trout) then inspired many of these to head further north or up to the high country lakes, where fishing was excellent.

Lake Sabrina, for instance, produced limits for anyone fishing off the dam by the spillway. Best bet was salmon eggs or a Dave Davis blade with a worm.

Lots of people appeared at Rock Creek Lake, where most of them did catch some fish, many of a pretty good size. Spinners, salmon eggs or marshmallows were the preferred bait. Fly fishermen did well in the evening or early morning, and fly fishermen also did especially well in the slow water above the lodge.

Lake Crowley is now closed to all fishing for the year.

Those who like to fish from shore did very well at Lake Crowley by climbing on the rocks at the back of the lake and dropping in hooks baited with marshmallows or cheese and wriggly worms.

Fly fishermen are still getting a lot of action at Hot Creek with dry flies. The most effective appear to be the various caddis patterns

Lake Mary is the best fish-producer for anglers at Mammoth Lakes. Fishing from shore has been most effective using either Zeke's floating bait or salmon eggs.

Rush Creek fishing is now excellent. Red eggs and worms is the way to go.

The Owens River at Benton Crossing is regularly stocked with fish. These trout also like salmon eggs and worms. The big browns are not yet being caught, but they should start spawning shortly and then will head for hooks with a variety of baits or

Anglers and mosquitoes both vied for space at Bridgeport over the long weekend. The best fishing was either at Lower Twin Lake or in the reservoir. Lots of nice rainbow trout were caught, mainly on bait. (Nightcrawlers seem to attract the bigger fish.) Anglers are advised to carry plenty of mosquito repellent.

Many anglers find fishing poor at Lake Isabella

While there were lots of people at Lake Isabella last weekend, the majority apparently did not try to catch any fish, which is just as well. Fishing was poor.

Even the bluegill that had been biting well all around the lake decided to stop hitting. Department of Fish and Game personnel think that the increasing heat may have had some effect on the fishing, but that the amount of noise and commotion created by boaters, water skilers, and lots of campers playing loud tapes and radios probably caused the fish to flee in terror and hide in the bottom of the lake.

A few small bass and channel catfish are being caught on the north side of the lake in the south fork area. Fishing should improve as soon as the weather cools a bit.

Anglers who head to the lake are advised to get to the water by daylight before the heat discourages fish from biting.

While the Kern River has been heavily stocked, again not too many trout were pulled out last weekend. If the weather is slightly cooler this weekend, anglers who head up the Kern are apt to come home with limits without too much trouble

> **Defense Hotline** for Fraud, Waste and Abuse Call: (800) 424-9098 (toll free) 232-5080 (Autovon) (202) 693-5080 (commercial)

Essential information: What you should know about the Privacy Act

ROCKETEER

Fourth in a Series by Nancy Cleland

This is the final segment in my series of articles on the Privacy Act. This article is intended to answer questions on the Act which have been asked during the past several weeks. Questions and answers are as follows:

Question: Why am I not allowed access to the information contained in my security background investigation?

Answer: Certain designated records systems are exempt from the requirement that employees must be allowed access to their records. This particular system of records is exempt from the access requirement because the records contain information considered necessary to make a determination as to suitability for Federal employment or access to classified information; and the information was obtained by providing assurances to the source that his or her identity would not be revealed to the subject of the investigation

Question: May supervisors maintain personnel-type records (such as copies of promotion actions, awards, disciplinary actions, etc.) in a file cabinet in their own office?

Answer: One of the Privacy Act regulations requires that employees must be allowed access to and be able to amend (if appropriate) most of the records maintained on them. In the event that a particular record maintained by the Personnel Department was amended by the Personnel Department, it would be impossible for Personnel Department employees to know who else might be keeping copies of these records. Thus, using copies he or she maintains, could make a decision by an employee using such information erroneous. The risk of unauthorized disclosure is also present. Thus, my official advice would be for supervisors to rely on official personnel files for maintenance of personnel-type records on employees.

Question: Many departments, divisions, and branches on the Center maintain a listing of their employees which includes name, home address and phone number, payroll number, Social Security number, service computation date, date and place of birth or names of family members. Is this considered a system of records?

Answer: Yes, these listings are an extension of an umbrellatype system of records entitled "Organization Locator and Social Roster." Thus, departments may keep these listings.

Hunters get few birds opening week of '83 dove season

Hunters who were all primed for the opening of dove season on Sept. 1 did not get much cooperation from the birds. Dove, during the first week, were almost nonexistent in both the local area and up in the Owens Valley.

Some good shooting occurred at Cantil, according to Department of Fish and Game the migratory birds move through in a couple of weeks

In the Owens Valley nearly as many hunters were shot as doves. Two shooting youth injured at Big Pine had a serious eye injury caused by pellets from a shotgun.

DFG officials remind all hunters (and those out where hunters are shooting) to exercise maximum caution.

BHS gridders . . .

(Continued from Page 6) Lillywhite and his assistant coaches a squad of around 40 players to work into has been applauded by the Product shape for tonight's season opener, and for other contests that lie ahead during the 10game season.

In addition to tonight's games at Barstow, the 1983 schedule for the Burroughs High varsity and sophmore football teams is as follows:

Sept. 16 - North Bakersfield at Burroughs Sept. 23 - Burroughs at Bakersfield High Sept. 30 - Bishop High at Burroughs

Oct. 7 - Santa Maria High at Burroughs *Oct. 14 - Burroughs at Palmdale

*Oct. 21 - Quartz Hill High at Burroughs *Oct. 28 - Antelope Valley High at

Burroughs (Homecoming) *Nov. 4 - Burroughs High at Canyon *Nov. 11 - Saugus High at Burroughs

*Golden League Games.

than having to redo a design with qualified components later."

The nature of not only how efficiently Banura handles his work, but also how expeditiously he proceeds with it, was spelled out in the memorandum from Johnson, head of the Systems Engineering Division in Code 36, who nominated Banura for the Technical Director Award.

Tasked with analyzing and documenting officials, and a few hunters scored at Lake the design details of the AIM-9M Sidewinder Isabella. Better hunting is expected when guidance control section (GCS) electronics system, Banura completed the task in four months - producing a two-volume, 503 page document

This design disclosure document, Johnson accidents were reported near In- wrote, will be used for many purposes independence, and two more at Big Pine. A cluding training of new production support engineering personnel; presentations to cognizant officials of the Naval Air Systems Command, and production contractors; and establishment of a design baseline.

When the requirement came up in the closed cycle cooler program to design a hybrid microcircuit for installation in the Sidewinder missile GCS, the need was met by Banura, whose design, Johnson wrote, Assurance organization for its use of noncritical devices even though the design requirements were very demanding.

This particular circuit controls the sequencing of power to the closed cycle cooler during start-up to minimize the power consumption.

In his nomination of Banura for the Technical Director Award, Johnson also wrote that the honoree was up to the challenge of designing a state-of-the-art primary power supply for the Sidearm GCS. between the gas grain generator and the missile skin.

Although the design constraints were vastly different, Banura also came up with Microprocessors," and "Digital Signal internal guidance control section power Processing and Communication Systems."



However, care should be taken to safeguard the information against unauthorized disclosure. Also, when the information is initially collected from the employee, the employee should be given a Privacy Act Statement. The information must also be maintained in an accurate manner.

Question: What information can the Naval Weapons Center provide to the Internal Revenue Service without the prior written request or consent of the employee involved, unless the disclosure falls within one of the 11 exceptions (see Rocketeer article No. 3 published Sept. 2, 1983, for exceptions). One of these exceptions is that disclosure may be made in response to an order from a court of competent jurisdiction.

Question: If the Center does receive a subpoena from IRS for personal information, is the employee given a chance to argue against the release of the information in court prior to the data being released?

Answer: No, the Center must release information to the requesting entity or individual upon receipt of a court order. However, when the information is released under compulsory legal process and the issuance of the court order is made public by the court which issued the order, the activity must make a reasonable effort to notify the employee whose records were released and inform the employee as to whom the records were released and the nature of the information released. Disclosure accountings must be maintained for records released as a result of a court order.

Technical Director Award . . . (Continued from Page 1)

supply designs for other missile systems as

Banura joined the work force at NWC in 1972, immediately after receiving a BS degree in electronics engineering from Northrop University in Inglewood, Calif. He continued his formal education by attending UCLA extension courses here, and was awarded an NWC Fellowship to complete work for his master's degree in 1974 by attending on-campus courses at UCLA for nine months

Assigned initially to the NWC Engineering Department, he has spent most of his 11 years as a Center employee in Code 36, with the exception of some work in the Weapons Department.

A detailed circuit analysis of the Sidewinder AIM-9M missile was one of the first assignments given to Banura when he came to work at China Lake, and he subsequently was involved for five years with the Sparrow missile program.

He was responsible, he recalled, for the design of an automated test station to permit simulated flight tests of the Sparrow, and also designed and built a programmable radar simulator.

Working with Dick Noland, who was his branch head at that time. Banura designed all of the analog and digital circuits for the control section of the Sparrow missile. These two men also built a phase noise analyzer for microwave oscillators used in the testing of X-band microwave oscillators. Although his latter device was designed for use as a part of the Sparrow missile

automated test station, it can be used for similar missile testing work, Banura said. Over the years, Banura also has written

three textbooks on electronics that he uses in This unit had to fit into the confined space teaching classes at the Training Center, and he has three patent applications on file. The books are entitled "Modern Elec-

tronic Engineering," "Digital Circuits and

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Page Six



Recreation roundup

China Lakers entered in MDISL racquetball tourney on weekend

Racquetball players from the Naval Weapons Center will compete this weekend in Mojave Desert Interservice League (MDISL) competition for both men and women

B. J. Holden is the lone local entry in the women's event, which will be held at Norton Air Force Base in San Bernardino.

At the same time, MDISL men's racquetball competition is slated at March Air Force Base in Riverside

China Lakers entered in the latter event are Mike Fedak and Jim French, both active duty military personnel, in the open division; and Les Saxton, in the senior division (for men 35 years of age and over).

In addition, Saxton and Fedak will be entered as a team in the men's doubles at March AFB.

SAILORS TOSS HORSESHOES Two Navy men from China Lake represented the Naval Weapons Center in the Southern Pacific Regional Horseshoe Tournament for active duty military personnel that was held at the North Island Naval Air Station in San Diego.

The China Lakers entered in this event were RMCS Stuart Caldwell and RM1 Roger Hiser, who vied in both the singles and doubles competition.

The local duo placed third in the doubles event, while Chief Caldwell finished in fifth place and RM1 Heiser was ninth in the singles competition.

DEADLINE EXTENDED

The deadline to register for the fall season of Youth Soccer League competition has been extended to next Friday, Sept. 16.

Signups are being handled at the Community Center on weekdays between the hours of 8 a.m. and 4 p.m.

ROCKETEER

Men's Golf Club reunion tournament won by Mike Pope

Out of a field of 132 entries, Mike Pope emerged as the overall champion of last weekend's third annual Invitational Reunion Golf Tournament staged by the China Lake Men's Golf Club.

Pope finished this 4-man scramble event with pro-rated handicap total of 118.3. He received a trophy and a cash prize of \$45 for his efforts in winning the championship flight

Winners in the other flights were Ted Zissos, Flight A; Bill Herron, Flight B; Tom Short, Flight C; and John Dragovich, Flight D. Each of them garnered a trophy, as well as a cash prize in the amount of \$35.

There was a team prize of \$40 that went to the foursome with the lowest score on each day. On Saturday this award was split by Zissos, Herron, Dragovich and Tom Short, while on Sunday, the low team score was carded by Pope, Ed Nelson, Tony Padilla and Wayne Jackson.

Socializing last Friday night drew a crowd of more than 100 golfers and their guests to the Enlisted Mess for a pre-tourney gettogether. Saturday night's dinner at the Chief Petty Officers' Club was attended by a throng estimated at 230 persons who also were back on Sunday afternoon at the CPO Club for a buffet luncheon during which awards were presented.

The presentation of trophies and cash prizes was handled by Ed Donohue and Dick Bauers, two members of the tournament committee.

Instruction slated in officiating at

vouth soccer games

A referees' clinic for persons interested in officiating at Youth Soccer League games during the coming season will be held

The clinic will open with a physical fitness test at 8 a.m. at Kelly Field on the Murray Junior High School campus. As a check of their endurance, participants will run up to 11/2 miles (depending upon their age), and also will be tested for speed and maneuverability on their feet.

At 9 a.m., the clinic will move to Classroom 36 at Murray Junior High, where Ted Taylor, director of instruction for the Southern California Division of the United States Soccer Federation, will teach a comprehensive course on all aspects of soccer rules, regulations, and techniques of play.

This class, which will be in session from 9 a.m. to 4 p.m. tomorrow, except for an hour off for lunch, will be concluded by a 30minute written examination.

Prospective Youth Soccer League officials, team coaches, and interested parents are invited to attend the referees' clinic, for which there will be charge ranging from \$5 to \$10 per person depending upon the number of individuals who attend.

Arrangements to take part in the clinic can be made by calling Werner Hueber at NWC ext. 5207 or, after working hours, phone 375-2165.

Signups continued for youth bowling team

Signups for Young American Bowling Alliance (YABA) teams began this week at Hall Memorial Lanes, and will continue until the start of the season on Saturday. Sept. 17.

While in the past all YABA teams have been active only on Saturdays, an additional league is being considered for Fridays from 3 to 5 p.m. to accommodate young people who are involved with other sports on Saturdays.

Anyone interested in taking part in such a Friday league should contact the bowling alley by calling NWC ext. 3471.

Ordinarily, the age limits for YABA members are 7 years through the age of 18, provided that anyone 18 or over is currently enrolled in school. Exceptions will be made for youngsters under age of 7 if they can demonstrate that they are able to bowl.



CHUKAR HUNT PERMITS DRAWN - Capt. K. A. Dickerson, NWC Commander, was on hand Tuesday afternoon at the Enlisted Mess to draw the first postcard application for this season's chukar hunts in the northern range area of the Center. John Jaegers, of Sylmar, Calif., was the hunt permit applicant whose postcard (which also listed the names of three other hunters) was drawn. Approximately 1,550 postcard applications were mailed in for the hunts, and the first 750 drawn were for the weekend of Oct. 22-23 (unless the requestor specified the second weekend of the hunt on Oct. 29 and 30). The drawing for the chukar hunt permit applications was arranged by the NWC Public Affairs Office, with Tom McGill, a natural resources specialist in the Environmental Branch of the Public Works Department, and LCdr. M. A. Kelly, Staff Judge Advocate, present as observers. Since each postcard application for the chukar hunt contained an average of three names, the number of applicants for the hunt totalled around 5,425.

Get in shape now for mini-triathlon event sponsored by Rec. Services Dept. Oct. 15

Athletes - boys and girls, men and women - are encouraged to prepare for participation in a mini-triathlon, sponsored by the Recreation Services Department, that will be held on Saturday, Oct. 15.

Three events make up the mini-triathlon. They are a half-mile swim, a 25-mile bicycle ride, and a 6.2 mile run. Those taking part can test their endurance in all three events, or form teams in which each member will compete in just one of the three events.

Entry forms for the mini-triathlon are available at the Center gym. The fee is \$8 per person for those who bring or mail their completed entry to the gym office by Friday, Sept. 30. After that date, there is a late entry fee of \$11 each.

with the half-mile swim in the Center's indoor pool on Oct. 15, and the two outdoor events - bicycle and foot racing will follow. All entrants will receive special T-shirts for their efforts, and there will be awards

The mini-triathlon will begin at 8 a.m.

for first through third place individual finishers in various age divisions of the competition, as well as first place prizes for the winning teams.

Individuals or teams will be placed in the Junior Division (17 years of age and under), Senior Division (18 to 35 years of age), and Veterans Division (35 years of age and over). Men and women, boys and girls will compete separately for awards in the minitriathlon

Burros to begin '83 football season at Barstow

As sports fans are already aware, football trusting that it will be the springboard for a season has rolled around once again. Not more successful effort this year. only are the college and professional footbut locally the Burroughs High School varsity and sophomore squads will begin a at the helm of the BHS varsity gridders; and 10-game schedule tonight in Barstow.

The soph gridders representing BHS will with both speed and power. take on their counterparts from Barstow Ready to spell Means at the quarterback starting at 5 p.m., and the varsity clash underway at 7:30.

The Burros varsity squad, coached by Verl Lillywhite, an ex-USC Trojan who also played professional football for the San Francisco 49ers, has a score to settle with the Aztecs, who ruined the Ridgecrest team's 1982 home season opener by hanging a 37-0 defeat on the Burros.

In that game, the visitors from Barstow locked up the contest by scoring three firstquarter touchdowns (two on fumble recoveries deep in Burroughs territory), and the outmanned Burros were thwarted in their attempts to play "catch-up" for the remainder of the game.

Enough of a nucleus of returning players from the BHS 1982 team is back to give the Ridgecrest team any bit of added incentive that may be needed to pay the Aztecs back in kind for the way they manhandled the Ridgecrest team before a home crowd a year ago.

The vets on the varsity squad, whose 1982 record was three wins and six lossses, also can look back with some satisfaction on a season-ending surprise win over the Saugus Centurions last November -

Among the architects of that 1982 win over ball teams around the country mixing it up, Saugus were Daniel Means, quarterback, who has returned for another year Randy Aguon, all league tailback, who runs

> spot this season, is Kevin Blecha, a returning letterman who has filled not only as a campus at Burroughs — giving Coach reserve quarterback, but also as a defensive

discussions among Burros fans, not to be overlooked is Randy's brother, Pete, who earned all-league honors as a tackle in 1982 and also is back for another whirl at the gridiron sport on both offense and defense.

When the name of Aguon comes up in

back and tight end for the Burros.

The varsity vets from 1982 are augmented by a good group from last year's sophomore team, as well as some new arrivals on the

(Continued on Page 7)



PASS PROTECTION STRESSED - Preparing for tonight's varsity football season opener at Barstow, Kevin Blecha (at left) and Daniel Means, starting quarterback for the BHS varsity gridders in 1982, took turns throwing the ball to the ends and backs. Purpose of the drill also was to give those blocking for a the passer a chance to sharpen up their skill in this vital aspect of the game. - Photo by PH1 Benita Tetreault

September 9, 1983

ROCKETEER

Page Three

The Skipper sez



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 emplo 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 guestion 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-ofcommand channels

QUESTION

Employee - Like most people who live in the old duplex housing, I have no place to store a lawn mower if I owned one. So, I feel dependent on self help. That is a problem. The time that self help is open requires me to pick up and return a lawn mower during working hours on weekdays. That hardly seems a viable option on a weekly basis. That leaves Saturday, if it is not a holiday weekend; but it is very difficult to get a mower on a Saturday and I do not consider the hours of 10 a.m. to 1 p.m. acceptable yard work hours during the hot summer months.

I thought perhaps using a push mower was a solution because those seem to be readily available; so I got one recently. I found out why they are so available. They are so dull they probably can't cut anything tougher than cooked spaghetti. I was really disappointed that self help, of which NWC management is so proud, would hand out equipment in such poor condition.

It seems my choice is to take time off work weekly to obtain a mower and mow my lawn, or park at self help on Saturday as long as it takes to get a mower and mow during the heat of the day. Well, I am not trying to shirk my responsibility to cut my grass, and the job did get done this weekend. I did it with my weedeater, and that is how I will continue to do it until the mower situation changes at self help

I do not think the situation is acceptable and I do not believe you would think so either if you had to deal with it. You do have your own lawn mower, don't you Skipper?

ANSWER

I agree with you. The lawn mower should be available to you during your off hours. In fact the whole idea of self-help program is to make all these items available to you during your off time.

I've run into the same problem, i.e., when I do odd jobs, the self help building is closed. I have instructed my staff to look into ways we could possibly adjust the opening hours to accommodate the customer.

QUESTION

Civilian employee - I was wondering why there is the discrepancy between swimming pool fee charges. The indoor pool charges \$1.50 for adults and 50 cents for children. Also, a sponsor is required. I recently took my three children to the Chief Petty Officers' Club pool and was charged \$1 per person. According to Recreational Services, charges at all pools are the same. Thank you. ANSWER

The fees at each pool are different because each pool has a different operating cost, and inflation increases this cost each year. One big factor that influences this cost is that of lifeguards. the more guards, the more the cost.

Club pools are for members of each individual Club. Civilians must have have and AA membership to use the indoor pool and a guest must have a sponsor. John Shoaf, Head, Recreation Services Department, NWC ext. 3387, would be happy to further discuss how fees and charges are established, if you so desire.

'83 Hispanics in Technology Award goes to NWC employee

the Ordnance Systems Department, was one of only 27 engineers and scientists nominated to receive the 1983 Hispanics in Technology Award presented by the Society of Hispanic Professional Engineers.

Lopez was nominated by NWC for his outstanding work as both a mechanical engineer and as a technical manager since he first came to the Center in 1966 as a Junior Professional employee.

endeavor. It was won this year by Dr. Mario with a Thursday night league. Molina of the Jet Propulsion Laboratory for his pioneering studies in ozone depletion of the atmosphere.

As well as encouraging Hispanic students to consider the scientific and engineering fields, the Society of Hispanic Professional Engineers assists companies and organizations in recruiting professional engineers or engineering students to meet an organization's technical needs.

Lopez is a graduate of California State University Long Beach; he then continued his mechanical engineering education through the University of California at Los Angeles program held at China Lake and in



Alvaro G. Lopez, head of the Catapult- 1972 received a master's degree in Launched Fuel Air Explosive program in mechanical engineering after he attended the University of Southern California on a Navy fellowship.

> He is also one of the early graduates of the **Center's Technical Management Certificate** Program, and says that he is finding that increasingly the classes in which he enrolls are more management oriented than technologically oriented.

Although he and his wife, Loralee, are heavily involved in the sports activities in The award encourages the use of which their sons, Andy, 7, and Ryan 5, are Hispanics as role models to influence young enrolled, Lopez also works on restoring Hispanic students to enter technical fields of antique cars, raising pecans, and bowling



Al G. Lopez



INSPECTING THE SITUATION - Rich Printy, Associate Department Head for Production in the Public Works Department, and Capt. H. H. Harrell, Public Works Officer, get a view of the damage caused to the main Randsburg Wash Road. A steel plate on the roadbed behind the far barricade covers a crack that runs completely across - Photo by PHAN Greg Hogan the paving

Air quality degraded . . .

(Continued from Page 1)

optical data for specific tests, and determine the cost due to lost or poor optical data during this 15-month study period. While accomplishing this, they will measure visual range between cameras and targets using special techniques and draw a statistical relationship with ground-based monitoring status. On the basis of the information gathered

Sinkholes grow . . .

(Continued from Page 1)

numerous other desert playas throughout California, Nevada, Arizona and New Mexico.

The cracks are surface evidence of subsurface clays drying out when the water table drops, either through natural causes or by pumping for irrigation.

Many clays can contain up to 60 percent water, although still appearing dry. When the moisture evaporates or drops, the clay dries and sink holes are aggravated when heavy rains cause sheets of water to pour into the depressions

Dr. St.-Amand says that there really isn't a great deal that can be done about such cracks except to wait until the normal forces of wind and weather wear down the edges and cause them to blend into the desert landscape.

The road, however, will be repaired to ensure that no driver will drop through the surface unexpectedly.

during the 15-month period, the criteria for managing visibility for essential operations at the high desert bases can be determined.

In addition to the 15-month long study, the California Desert Air Working Group is also funding Rockwell International to conduct a study to compile and analyze all air quality data from the California desert between the Mexican border to the south and Alpine County to the north

Funding the study are the Department of Defense, the Bureau of Land Management, and San Bernardino County, at \$10,000 each; the Los Angeles Department of Water and Power, Los Angeles Department of Airports, Southern California Edison Co., and Southern California Cas Co., \$5,000 each: and the Western Oil and Gas Association, \$12,500

All contributors will have equal access to the data gathered, which will be computerized for most effective use. The data will also be subjected to statistical and interpretative analysis to determine what data gaps exist and whether the correct parameters are being measured.

This study will be completed by early next summer

By using the information gathered in both studies, policy-making alternatives can then be developed regarding essential air visibility requirements and how they can be attained. The ultimate goal will be to protect the optical data gathering capability in the region in the long-term future.

Slight pay cut coming up for many gov't employees

As a result of the Omnibus Budget Reconciliation Act of 1982 (PL 97-253), there will be a slight decrease in the pay of all annual rate government employees paid on a bi-weekly basis during fiscal years 1984 and 1985. Wage grade grade employees will not be affected by this change.

The law requires a change in the computation of hourly rates of basic pay. Currently, the hourly rate of pay is determined by dividing the annual rate of pay by 2,080 hours.

Beginning in FY 84 the hourly divisor used will be 2,087 hours. The resultant decrease will be equivalent to 7 hours of pay spread over fiscal year 1984 and 7 hours of pay spread over fiscal year 1985.

This change will not affect actual hours worked, computations for determining Civil Service retirement eligibility, or the amount of life insurance coverage.

A total of 1.4 million federal workers, including more than 320,000 Navy civilian employees, will be affected by the changes under the Omnibus Reconciliation **Budget Reconciliation Act of 1982.**

According to the General Accounting Office (GAO), the government expects to save more than \$271 million in each of FYs 84 and 85.

Civilian pay is decreasing because the Act, signed into law last September, requires that hourly pay rates be determined by dividing an individual's gross annual salary by 2,087 work hours per year, rather than the 2,080 hours used since 1945.

The difference amounts to thirty-three one-hundreths of one percent (0.33) and allows the government to pay employees more accurately - according to the actual number of hours they work. The old rate allowed people to be paid for one or two days per year they didn't work.

The number of workless paydays varied from year to year during a 28-year cycle, according to a GAO report. This gave workers an extra paycheck in the 11th year.

Savings to the government in the reduced cost of basic pay, government retirement contributions and premium or overtime pay, are realized by using a figure for determining hourly rates that are closer to the actual number of hours in the work year, the report explains.

Affected by this change are General Schedule, Merit Pay, Senior Executive Service, Levels III, IV and V Executive Service employees, and those paid under the Navy faculty schedule.

September 9, 1983

Concert Ass'n season ticket sale is underway

84 season.

Music lovers who are not already members of the association can join by purchasing tickets for the season, Gene Younkin, association president, announced.

The majority of seats have already been reserved by continuing subscribers. Fewer dress. than 200 remain to be sold for the and these will go on a first come, first serve basis, Younkin added.

The selection of reserved seats by new members of the IWV Concert Association began in mid-August, and season tickets will be mailed to all members before the first concert on Oct. 20.

1983-84 season of concert programs can be made by telephoning 375-5600 any time. An



Lazar Gosman, orchestra director — Feb. 27

answering machine will take the caller's name and message if no one is in when the call is placed. Visa and Mastercharge orders may be handled entirely by phone, if desired.

Tickets remaining for the outstanding lineup of six programs are priced at \$21 and \$17. They are located in the side sections, mostly toward the rear. Already sold out are reserved seats for Section A, which are priced at \$25 each. These charges represent a savings of 40 percent when compared with the cost of single admission tickets for the entire series of six concerts.

Reduced price season tickets, which are 40 percent off the cost of regular admission, can also be reserved now by young people under 21 years of age, enlisted military personnel, and senior citizens 65 years of age and over.

The 1983 concert season will get off to a lively and entertaining start on Oct. 20 with the presentation of a program by the New American Ragtime Ensemble.

This 12-member orchestra was founded in

A series of six concerts will be offered at 1976 and is directed by Tom Maguire. The the Center theater by the Indian Wells group employs the traditional ragtime in-Valley Concert Association during the 1983- struments - flute, piccolo, clarinet, trumpet, trombone, tuba, two violins, viola, cello, piano and percussion.

During its concert programs, the New American Ragtime Ensemble recreates the time when ragtime music was the rage by also appearing in turn-of-the-century formal

On Wednesday, Nov. 30, Western Opera association's 37th series of performances, Theater, the San Francisco Opera Center's touring company, will present a fully staged version (in English) of Puccini's "Madame Butterfly." The artists are young professionals selected from nationwide auditions. The aim of the Western Opera theater.

which was organized in 1967, is to bring fully Arrangements to purchase tickets for the staged opera in English to communities throughout a large part of the United States.

The opera company's appearance here in November will be a return engagement for the group, which presented "The Marriage of Figaro" on the stage of the Center theater in 1976.

Coming here on Tuesday, Jan. 10, 1984, will be the Los Angeles Guitar Quartet. Brought together in 1979 by the renowned guitarist Pepe Romero, the Los Angeles Guitar Quartet combines the talents of four gifted solo artists.

This group has developed a unique and widely varied repertoire for guitar ensembles, ranging from Renaissance dances to the music of Spain, as well as music of the 20th century.

This unique ensemble has gained wide recognition through concerts and radio appearances, and recently was chosen to perform a 40-concert tour of Mexico under the auspices of the Mexican government.

On Monday, Feb. 27, the Center theater will be the setting for a concert by the Soviet



1982

"Madame Butterfly" — Nov. 30

Emigre Orchestra This 18-member orchestra, directed by Lazar Gosman, former music director of the renowned Leningrad Chamber Orchestra, combines the talents of the finest of recently arrived Russian emigre musicians from the Moscow and Leningrad Philharmonic Chamber Orchestras, joined with outstanding American musicians.

The Soviet Emigre Orchestra made its debut in this country in 1979 and embarked on its first tour of the mid-west and northeastern parts of the U.S. in the fall of 1981.



Los Angeles Guitar Quartet — Jan. 10

Coming to the Center theater on March 28 will be a program of mime and music presented by John Harvey, as the mime, and Joemy Wilson, folk musician.

In their presentation, entitled "Mime Musica," vocal and instrumental sounds are used to complement Harvey's performance as a mime. The program ranges from comedy and satire to moments of poignancy created by Harvey.

This was followed by a tour of the south in

Since their debut in 1977, the talented performers who present "Mime Musica" have been acclaimed for their performances coast to coast at colleges, theatres and festivals. Their appeal is international, as evidenced by responses from audiences of many nationalities during a Caribbean tour in 1978.

The final concert of the 1983-84 season will feature a baroque ensemble of violin, oboe, cello, bassoon and harpsichord in a program entitled "Musical Offering" - named after one of the final compositions of J.S. Bach.

Since its U.S. debut in 1977 in Los Angeles, "Musical Offering" has concertized throughout the country, and made a highly acclaimed New York debut in March 1981, under the auspices of Carnegie Hall. Members of this group are currently artistsin-residence at the California Institute of the Arts.

"Musical Offering" has toured extensively, not only througout California but in New York and other major American cities. The upcoming engagement here is supported, in part, by funds from the California Arts Council.



New American Ragtime Ensemble — Oct. 20



Mime Musica — March 28

Lake police.

Center.

weekend.

September 9, 1983

Engineer to speak at **Hispanic Heritage** luncheon Sept. 14

Anyone planning to attend the Hispanic Heritage Week luncheon to be held at the Enlisted Mess next Wednesday at 11:30 a.m. has only a short time remaining to get tickets. Featured luncheon speaker will be Richard Jimenez, a professional engineer, who will discuss the mobility of Hispanic individuals in technical careers.

Tickets for the luncheon can be purchased from members of the Hispanic Employment Committee or from the EEO office, and must be obtained in advance.

Menu for the luncheon is a choice of a taco salad or an enchilada plate; either costs \$4.25 (The Rocketeer inadvertently has



Richard Jimenez

listed the wrong price in prior announcements of the luncheon and apologizes for any inconvenience caused by the error.) A message from Secretary of the Navy John Lehman notes that Hispanic Heritage Week provides an ideal opportunity to acknowledge the achievements of Hispanic citizens and to highlight the outstanding contributions of the thousands of Hispanic men and women who have served the nation throughout its history and are currently serving in the Armed Forces.

Police reports...

Damage to two vehicles left in the "park and ride" lot near the intersection of South Richmond Road and East Ridgecrest Boulevard was reported last week to China

motorcycle broke the headlights on the car and the headlights and turn signals on the motorcycle. In addition, batteries, tool boxes, stereo equipment and stereo tapes were stolen. Between the damage and the thefts, the loss was set at \$1,010.

The owners of the damaged car and motorcycle work in Trona.

VEHICLE BATTERY STOLEN

A thief or thieves took advantage of the long weekend to remove a battery from a government vehicle parked on the north side of the Shrike assembly building at Armitage Airfield. Estimated loss to the government is \$60.

FALSE ALARM

Someone at Richmond School celebrated the first morning of the new school year by pulling a fire alarm in the cafeteria at 8:45 a.m. Cost to the government for rolling all the fire equipment to answer the false alarm is estimated at \$200.

2 DUI ARRESTS MADE

During the month of August, China Lake police made two arrests of motorists who were charged with driving under the influence (DUI) on the Naval Weapons

ASSISTANCE GIVEN

Ridgecrest police officers requested assistance from the China Lake Police Division to perform breathalyzer tests on two suspected drunk drivers over the

ROCKETEER



GOOD BRIEFING - Cdr. David B. Kelley (at left), who heads the Biomedical and Test Parachutist Support Division of the Aerosystems Department, shows Capt. Robert M. Kraft, Assistant Commander for Test and Evaluation for the Naval Air Systems Command (AIR-06), some of the intricacies of survival equipment during Capt. Kraft's - Photo by PHAN Rebecca Gill recent visit to NWC

Kol Nidre, Yom Kippur services to be held at All Faith Chapel

Kol Nidre Service for the Hebrew telephone Deborah Luehrs at 446-6377. congregation of the All Faith Chapel in the East Wing of the chapel on Friday, Sept. 16, starting at 7:30 p.m.

The words and music of the Kol Nidre create the emotional and spiritual uplifting for those who fast on Yom Kippur, since the fast begins just before sunset on that day and ends at sunset on Saturday, Sept. 17. Only adults and children Bar/Bat Mitzvah age and above fast; anyone with health problems is exempted.

Yom Kipppur service will be held from 10 a.m. until noon on Saturday, Sept. 17, to be followed by an adult study session from noon until 1:30 p.m. The afternoon service begins at 3:30 p.m., and lasts for an hour. It will be followed by the Yiskor (Memorial Service) from 4:45 to 5:15, and the concluding service (Neilah) will be held from 5:30 to 6 p.m.

Yom Kippur joins all members of the Hebrew congregation in a bond of repentence, prayer and in the action of God's sealing each individual's destiny in the Book of Life for the year.

The fast will then be broken by a breakfast following the Neilah. Anyone who wishes to donate food for this event who has

Student Rabbi Moshe Ulmet will lead a not already been contacted is asked to

Persons seeking further information about the services should telephone either Dr. Bernard Wasserman, president of the Hebrew congregation, at 375-8538, or Peggy Busch, the vice president, at 375-7712.

Retirement party set to honor Bill Davis at EM on Sept. 29

All friends and associates of Bill Davis, who headed the Center's Safety and Security Department for many years, are invited to attend a retirement party in his honor at the Enlisted Mess on Thursday, Sept. 29.

The evening's festivities will begin with a social hour at 6 o'clock, with presentations to follow at 7 p.m. Genial Burrell Hays, the Center's Technical Director, will serve as master of ceremonies for the evening.

All those who are planning to attend are asked to telephone NWC ext. 6234 to make a reservation so that name tags can be prepared in advance.

There will be a \$4 per person charge for heavy hot hors d'oeuvres to be served at the party

China Lake police officers attend FBI sponsored class

Five officers of the NWC Police Division recently returned from Eureka, Calif., where they attended a Special Weapons and Tactics training session sponsored jointly by the Federal Bureau of Investigation and the College of the Redwoods.

Training for the 27-member class emphasized actual in-field problems, with only about 30 percent of the week-long class actually being conducted in the classroom.

As well as the theory of how to handle the problems that call for "SWAT" teams, the training centered on how to use weapons (handguns, rifles, shotguns), high-risk handcuffing techniques, building searches, rappeling (with emphasis on speed and control, such as control of a weapon while rappeling down the side of a building), and physical fitness.

The five officers who attended the training - Virgil Kennedy, Steven Busby, Lester Murray, Andrew Pudgorski, and Thomas Whalen - are all members of the eight-man emergency response unit of the China Lake police.

John Pracchia, who heads the unit, was one of five China Lake officers who attended similar SWAT training about five years ago. Other team members (Joseph Giusti and Michael Sword) are receiving their training in these tactics during the regular monthly training sessions that all the officers attend.

The Emergency Response Unit is trained to handle such special efforts as hostage situations (which, says Sgt. Praccia, "we fortunately have not had to face in the past five years"), VIP protection, and various other special projects. In addition, NWC currently has three civilians who are trained in hostage negotiations.

The SWAT teams shown on television are involved usually in very glorified actions, say the local officers, but much of the training that such teams receive can be translated into practical, every-day activities. The methods taught by the FBI agents from San Francisco in the SWAT training are based directly on what the FBI has found worked best for their agents involved in a variety of situations.

The aim of the China Lake police is to get as many officers as possible certified throught the FBI training - and to ensure that all the other officers will receive, during the regular monthly training sessions, the information that those who attended the week-long session can pass on to them.

Vandals who worked over a car and a Emergency telephone nos. established for deaf

Deaf and severely hearing-impaired telephone rates because each telephone of hearing-handicapped subscribers. persons have long had great difficulty in subscriber in the State of California is billed communicating with fire and police per- a few cents extra on his or her monthly sonnel when an emergency occurs. Those on telephone bill to help cover the cost. By an longer have that difficulty.

The NWC Safety and Security Departmunications devices for the deaf (TDD) that have been installed in the dispatcher's offices for the Fire and Police Divisions, and a separate emergency telephone number of each of these is now also functional.

Deaf persons who need to call the Fire Division should dial NWC ext. 3939; those needing to communicate with the police can reach that dispatcher on NWC ext. 3883.

When the deaf person places the call, communication is carried on by means of two portable machines equipped with readout displays and keyboards. The deaf individual types the message on his or her keyboard, and that message is then displayed at the dispatcher's office.

The dispatcher can respond in the same way, so that full communication is established even though no words have been

spoken. (The Personnel Department's EEO office also has purchased a TDD in order to communicate with those who are hearing-

handicapped.) Deaf persons are able to get these devices at no more charge to them than the normal

board the Naval Weapons Center will no act of the State Legislature, telephone times as long on the teletypewriter as it does companies were required to provide the when spoken - the TDDs can literally save devices and permitted to ask all subscribers lives by allowing the deaf to make essential ment has purchased two telecom- to assist in covering the cost for the devices emergency calls.

Although "conversing" through a TDD over the telephone is a slow process getting a message through takes about five



LIFESAVING DEVICE - Sheila Sauder, a consultant for the telephone company, shows Phil Sodergren, an NWC firefighter, how to use the new telecommunication device for the deaf that has been installed for the dispatchers in the Police and Fire Divisions so that deaf people can make emergency calls for help. The Fire Division's emergency number for the deaf is NWC ext. 3939; that of the Police Division is NWC ext. 3883.

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