

Awards presented at Maturango Museum annual dinner Jan. 30

The annual dinner meeting of the Maturango Museum held last Saturday evening at the Enlisted Mess provided museum board members the opportunity to say "thank you" to the numerous people and organizations who have been instrumental during the year in making the museum a viable part of the community.

Trustee awards were given to Continental Graphics, First Federal Savings and Loan, Billie Hise, Rick Stokes, Kirk Ellingson, Liz Babcock, Don "Tee" Tilford, Lorraine McClung, Ed and Linda Quinn, Patty Musser, DATAMUSE, The Skaggs Project, and Susan Hueber.

Recipients of Merit Awards were Natalie Harrison, Janet Westbrook, CLOTA, China Lake Players, Kate Shaughnessy, Joshua Laytart, and Ronald Hise.

Others who received Merit Awards were those who led museum tours this past year: Bob Berry, Frank Cartwright, Dick Hart, Jim Baird, Ken Pringle, George Silberberg, Carroll Evans, Art Duval, Lou Czerwonka, Don Moore, Paul Coulter, Carol Panlaqui, Alan Katzenstein, and Glenn Roquemore.

The Director's award went to Edna Laytart, Don "Tee" Tilford, and Rick Stokes.

Since Bob Tuck is leaving, a special award of appreciation was presented to him for his multitudinous services to the museum.

New directors elected to the board of directors are Wayne Kilburn, Robert Boot, and Dick Hart. They will join with the other directors next Monday evening to select officers who will lead the museum through the next year.

Since the dinner meeting was so filled with business and the program, there was no adequate opportunity to answer questions about the museum, its projects, and the status of the new building. For that reason, a special meeting will be held on Tuesday, Feb. 16, at 7 p.m. at the museum, and anyone who has any questions is invited to attend to get the answers.

Tickets going fast for annual CPO Ball slated on Feb. 20

Tickets are going fast for the annual CPO Ball that will be held on Saturday, Feb. 20, at the Chief Petty Officers' Club. All active duty and retired members of the CPO Club as well as civilian guest members are invited to attend, as are also invited guests. Spouses and dates, naturally, are included.

The dinner, which features a choice of prime rib au jus or a top sirloin steak, will begin at 7:30, to be followed by introductions and presentation of the guest speaker for the evening, Capt. Lahr, at 8:30 p.m.

The evening will conclude with dancing to the music of "Port and Starboard," a Navy band from San Diego, that will play until 1:30 a.m.

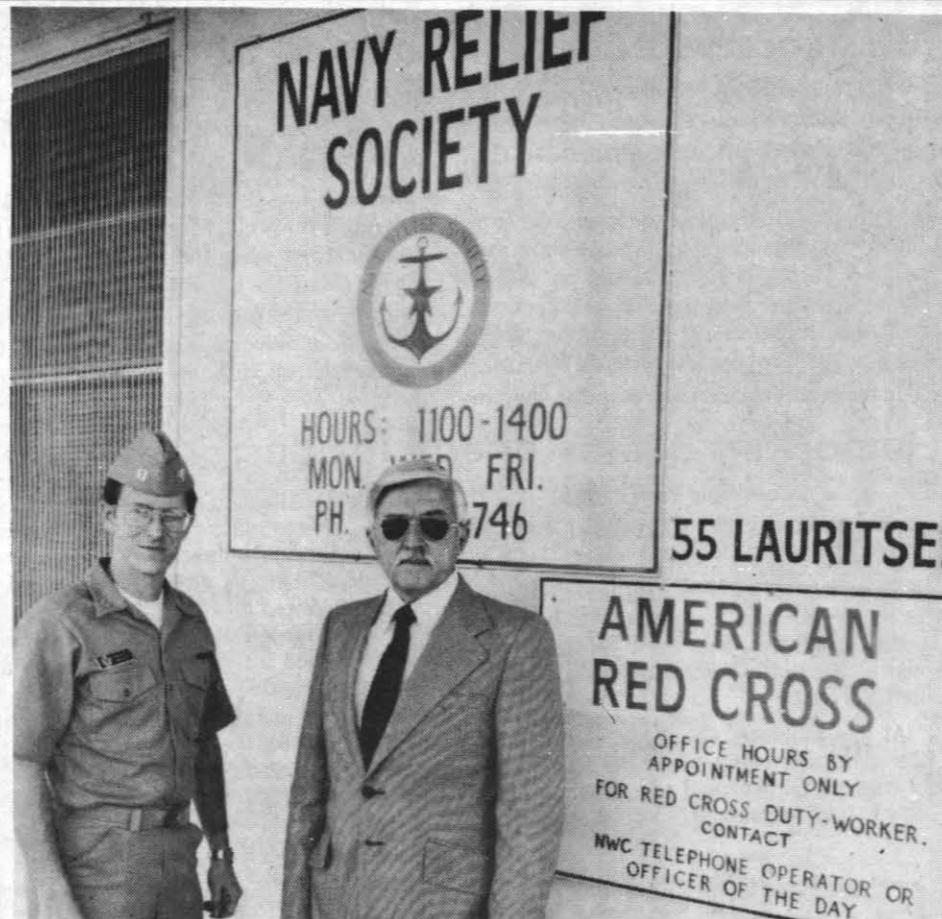
Tickets, at \$10 per person, are now on sale at the CPO Club. Anyone seeking ticket information may telephone the CPO Club office at NWC ext. 3633 or 3634.

Changes in health benefit plans topic at next FEW meeting

Everyone who is interested in the changes in the 12 health benefit plans for which NWC employees are eligible is invited to attend the next meeting of Federally Employed Women (FEW) on Thursday, Feb. 11, at 11:30 a.m. in Room 203 of the Training Center.

Nancy Clelland, from the Employee Management Relations Office of the Personnel Department, will present an overall view of the health benefit programs. She will also answer questions from the floor.

Attendees may bring brown bag lunches if they wish.



INSPECTING NEW QUARTERS — Lt. Edward Torrence, who serves as the head of the Navy Relief Society at China Lake as collateral duty, gave Richard H. Gainer, Executive Director of the Navy Relief Society at the Naval Station, Long Beach, a tour of the local organization's new office. The office is located in the same building as the Thrift Shop on Lauritsen Road, across from Schoeffel Field.

Contributions of Black Americans now featured at Center Library

By Elizabeth Shanteler, Head Librarian

This month, the Center Library is joining other educational facilities across the nation in directing America's attention to the significant contributions made by Black Americans to the history of the United States.

A move in this direction was made as long ago as 1926 when Dr. Carter G. Woodson launched a program for the study of the Black American. His purpose was to eliminate misconceptions, harmful stereotypes, legend and folklore about those whose ancestors came from Africa.

The Center Library's shelves are a rich source of information and comment dealing with the history, writings, achievements and progress of Black Americans.

Most Americans recognize the names of Pearl Bailey, Willie Mays, Sammy Davis, Jr., Shirley Chisholm and Ralph Bunche, but few know about Dorie Miller, the first U.S. hero of World War II.

Information about Miller and other Black Americans who have won the Congressional Medal of Honor can be found in Irwin H. Lee's "Negro Medal of Honor Men."

Another author, Phillip T. Drotning, writes in the book "Black Heroes in Our Nation's History" that "It would be impossible to estimate the number of people

Plans announced for Black History Week at NWC Feb. 22-26

The theme for this year's observance of Black History Month, the month of February, is "Afro-American History — Blueprint for Survival," according to a message received this week from the Secretary of the Navy.

The local celebration, scheduled for the week of Feb. 22 through 26, emphasizes Black progress.

Highlights of the week will include a soul food lunch on Wednesday, Feb. 24, at the Enlisted Dining Facility, a workshop that will be conducted by Grant Williams, who was formerly NWC's Deputy Equal Employment Opportunity Officer, and a banquet on Friday evening with Williams as the featured speaker.

Also taking place that week, although not formally a part of NWC's observance, will be a poetry reading by members of the Black Original Social Society (BOSS) at the Burroughs High School lecture center.

who owe their lives to the pioneering work in the establishment of a blood bank that was done by Dr. Charles R. Drew."

The first Black American to enter Congress was a minister from Mississippi, the Rev. Hiram R. Revels, who was admitted to the Senate on Feb. 25, 1870. Maurine Christopher's "America's Black Congressmen" tells the stories of the 34 Black Americans who served in Congress from 1870 to 1970.

Black American authors are well represented in the Center Library's collection. James Baldwin, Ralph Ellison, Toni Morrison, George Cain and Frank Yerby are but a few of those whose works are available.

There is also poetry by such well known authors as Arna Bontemps, Gwendolyn Brooks, Paul Laurence Dunbar, Richard Wright, and Langston Hughes.

Ebony, a high quality monthly magazine which gives a well-rounded view of Black American contemporary life, and "Negro History Bulletin," which dedicates itself to providing little known facts in the history of the Black American, can be found in the magazine racks of the Center Library's lounge area.

In addition to reading materials, the Center Library has a collection of record albums devoted to the musical expression unique to Black Americans. The album "American Negro Slave Songs" takes the listener to the very foundations of today's jazz and blues. Also available are albums featuring artists such as Duke Ellington, Nat "King" Cole, Hudie Ledbetter, Scott Joplin, and Billy Holiday.

This month the Center Library has placed all of the books pertaining to Black American art, history, and literature in one convenient location.

It is the goal of America's educators that all men will recognize the common sense of the following quotation: "It is of no consequence of what parents a man is born, so he be a man of merit." (Horace, 65-B.C.)

No more tickets available

Anyone who has been thinking about attending the dinner-theater program scheduled next Thursday evening, Feb. 11, at the Commissioned Officers' Mess, but who hasn't yet purchased tickets, is out of luck.

The event is a sell-out, and no more reservations can be accepted, it was announced early this week by the COM office.

Topflight movie on hiring handicapped to be shown Monday

A new film that is an Academy Award nominee will be shown at 10 a.m. Monday in the Michelson Laboratory Conference Room (Rm. 1000D).

The movie, entitled "A Different Approach," uses broad strokes of comedy to deal with the serious subject of employment of the handicapped.

To dispel some of the myths and prejudices about those with disabilities, a chorus made up of disabled individuals joins some of today's top television celebrities who are featured in the film.

Arrangements for showing this movie have been made by Dan Banks, Handicapped Employment Program Coordinator for the Naval Weapons Center, and all interested persons are invited to attend. A short discussion will follow presentation of the movie.

No pre-registration is required, and supervisors who attend will receive EEO credit.

Navy Leaguers to hear about productivity at NWC

NWC efforts to increase the productivity of its employees will be the topic of the evening when Capt. Gerald L. Lee, NWC Director of Supply, and James R. Bowen, Deputy Support Director, speak to the Indian Wells Valley Council of the Navy League on Thursday, Feb. 18, at the Commissioned Officers' Mess.

Everyone who is interested is invited to attend the open dinner meeting, which will begin with a social hour at 6:30 p.m., and be followed by dinner at 7:30.

The roast beef dinner with wine costs \$8 per person. Reservations are due by Sunday, Feb. 14; they may be made by telephoning 446-7244 or 446-5488.

MOVIES

(G) ALL AGES ADMITTED
General Audiences
(PG) ALL AGES ADMITTED
Parental Guidance Suggested
(R) RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

Regular starting time 7:00 p.m.

FRIDAY, SUNDAY FEB. 5, 7
"ARTHUR"
Starring Dudley Moore and Liza Minnelli (Comedy, rated PG, 97 min.)

SATURDAY FEB. 6
"THE DEMON"
Starring Jennifer Holmes and Cameron Mitchell (Horror drama, rated R, 93 min.)

MONDAY FEB. 8
"HISTORY OF THE WORLD PART II"
Starring Mel Brooks and Dom DeLuise (Comedy, rated R, 92 min.)

WEDNESDAY FEB. 10
"S. O. B."
Starring Julie Andrews and William Holden (Comedy, rated R, 122 min.)

FRIDAY, SUNDAY FEB. 12, 14
"THE FOX AND THE HOUND"
Starring Mickey Rooney and Kurt Russell (Animated, rated G, 110 min.)

SATURDAY FEB. 13
"THE NIGHT THE LIGHTS WENT OUT IN GEORGIA"
Starring Kristy McNichol and Mark Hamil (Musical-drama, rated PG, 112 min.)

U.S. Government Printing Office: 1982—No. 1010

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To: _____

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NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA



JOINING IN — Dr. Peggy Rogers, local coordinator for the medical research study now starting at NWC, rests an elbow on the Technicon H6000 blood analyzer as Kris Finch (far right), a medical technologist, gets ready to draw a blood sample from Dr. Rogers' arm. Looking over Dr. Rogers' shoulder is Grace Seal, the Branch Clinic's Occupational Health Nurse, who will be discussing the medical research study with personnel throughout the Center. — Photo by Don Cornelius

New Central Computing Facility system on line

The Central Computing Facility's new Sperry UNIVAC 1100/82 Computer System is now up and running, having successfully completed all acceptance testing on Nov. 30.

The UNIVAC 1100/82 is the first of three systems to be delivered under a recently awarded 10-year, \$30,084,342 contract with the Sperry UNIVAC Division of the Sperry Corporation.

This contract provides, by a series of interlocking phases and options, for the enlargement of the system to meet future NWC user demand. The contract includes a "technology update" clause which allows NWC to take advantage of advances in the computer state-of-the-art by substitution of more advanced systems for those originally proposed by Sperry UNIVAC during contract negotiations.

Bryan Hill, branch head in the Computer Sciences Division of the Research Department, acted as NWC's negotiator for this contract while working with the Automatic Data Processing Selection Office in Washington, D. C. Commenting on the results of this negotiating effort, Hill stated,

"Not only does the contract reflect a 52 percent discount from the standard GSA schedule prices with UNIVAC, but also it is written so that NWC can quickly and easily modify the newly installed system to keep pace with technological innovation within the computer industry, something that was extremely difficult to accomplish under prior contracts."

Gene Anderson, head of the Computer Sciences Division, notes that because of the outstanding cooperative effort made by all the Center personnel who were involved in the acquisition and installation of the computer system, all deadlines were met and the computer was emplaced and operating on the scheduled date.

Assistance was provided by personnel in many departments, with Supply and Public Works being especially helpful. "Without the super cooperation of everyone, we'd never have been able to get the job done in time," Anderson says.

"I wish that we could get everyone's picture in the Rocketeer of those who helped



TURNING IT OVER — John Gleavy, the China Lake National Account Manager of the Sperry UNIVAC Division of the Sperry Corporation, hands Gene Anderson, head of the Computer Science Division of the Research Department, the "key" to the Center's new computer, as Rob Koenig, Navy Branch Sales Manager of the Sperry UNIVAC Division (far left), and Dr. Ed Royce, Research Department head, (far right) watch. Anderson's button proclaiming that "I Love 1100" (the new computer is the UNIVAC 1100/82) indicates how happy local personnel are at having the enhanced capability that the new machine brings.

Centerites invited to take part in medical study on low white blood cell count

All Center personnel — both military and civilian — will be invited to take part in a voluntary major medical study that will begin this month. The study has the primary aim of determining prevalence of low white blood cell counts among the Center work force.

All hands will receive a pamphlet describing the study in detail in guard mail early next week and are asked to take it home to read. Those who have not received the pamphlet by Wednesday will be able to pick up copies from their respective department offices.

NWC and the Navy Medical Department will conduct this study to determine how many military and civilian personnel at NWC have a low white-blood-cell level (below 4,500 per cubic millimeter). Medical scientists at this point are not sure what, if any, long term effects such a count has on a

person's health. Additionally, the study will attempt to determine if personnel with low white-blood-cell counts either work in the same geographical area on the Center or in the same type of work.

Dr. Peggy Rogers is the coordinator for employee participation in the study, which is expected to take a minimum of three years. All Center employees will have the opportunity to participate during each year of the study.

Those who volunteer to take part will be asked to fill out a simple questionnaire about where they have worked on the Center, and will have the 7cc — about 1½ teaspoonfuls — of blood drawn from an arm vein while at work sometime between 8 and 11 a.m.

Grace Seal, an Occupational Health nurse, will come to each work site about a

so magnificently, but space constraints wouldn't allow that. Those who attended the ceremonies last week will all get a copy of the photos that were taken at that time, however," Anderson added.

NWC sought and obtained permission to keep the UNIVAC 1110 system, predecessor to the 1100/82 for a minimum of six months and a maximum of 18 months, to allow a smooth conversion to the new system.

The side-by-side placement of the old and new systems within the Central Computing Facility has displaced a number of functions which now reside in the newly installed temporary Computer Science Corporation trailer complex directly north of the computer wing in the Michelson Laboratory (Continued on Page 3)

Arnold succeeds Kneymeyer as head of Weapons Planning Gp.

Phil G. Arnold has been selected as head of the Weapons Planning Group (Code 12).

He replaces Frank Kneymeyer, who will be completing some special assignments for the Naval Weapons Center at this time.

Arnold, who has been in the Weapons Planning Group since 1979, says that he is very excited and pleased about becoming the head of Code 12 because "it's a very close group — like a big family — and, consequently, it's really fun to work here."

Arnold's interest in weapons planning began mainly in 1977 during a seven-month detail to the Aircraft and Weapons Requirements Branch in the Deputy Chief of Naval Operations' Aviation Plans and Requirements Division in Washington, D.C., where he served as the Air-to-Surface Guided Weapons Coordinator. He says that assignment convinced him of the need for a coherent weapons plan.

When he returned to NWC's Weapons Department, he served as Air-to-Air Weapons Coordinator for a brief period of time before returning to his old job as head of the Electro-Optics Division. Shortly thereafter, he was tasked with putting together an air-to-surface weapons master plan from the Center's perspective and this assignment moved him to Code 12, where he has been since 1979.

His career at China Lake began in June 1955, following his graduation from

All military and civilian personnel at China Lake are urged to attend the showing of a videotape about the medical research study on Wednesday, Feb. 10, at the Center theater at 10:30 a.m. and 3:30 p.m.

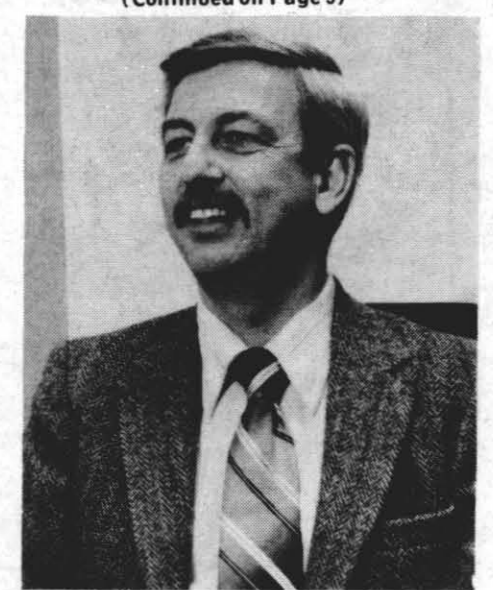
Capt. Lahr, Bob Hillyer, Dr. Peggy Rogers (local coordinator for the study), and Navy doctors will be present at both showings to answer questions following the showing of the tape.

week earlier to explain the program and answer any questions. Anyone who cannot give blood during working hours can make a separate appointment with her for a more convenient time.

This blood will be analyzed in the Technicon H6000 blood analyzer, and em- (Continued on Page 4)

Oklahoma State University with a bachelor's degree in electrical engineering. Arnold says "I came aboard as the greenest JP that the Center ever had, but I came here because I thought the work looked exciting and varied — and it certainly has been that for me."

He began his China Lake career in old Code 45 (then the Propellants and Explosives Department), where he worked at the static firing facility. Within a year he (Continued on Page 3)



Phil G. Arnold

Employee service awards

The following Naval Weapons Center employees have received federal service or NWC length-of-service awards:



David N. Livingston 35 yrs. Fed'l Service Code 394
Clifford Smith 35 yrs. Fed'l Service Code 3645
William N. McBride 30 yrs. Fed'l & NWC Service Code 38507
Douglas C. Deyoe 30 yrs. Fed'l & NWC Service Code 3957
LaVaughn Goss 25 yrs. Fed'l Service Code 0031
Louis G. Shanteler 20 yrs. Fed'l Service Code 3111
James G. Mott 20 yrs. Fed'l & NWC Service Code 3109
William R. Stout 20 yrs. Fed'l Service Code 3921

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. 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. 2069. 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 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 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 qualifications requirements 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. 00-003, Secretary (Typing) GS-318-4, PD No. 1 8100015N, Code 03 — This is a temporary promotion not to exceed 1 year. The incumbent provides clerical and administrative assistance to the Deputy Technical Director, who is also Laboratory Director of the Naval Weapons Center. Duties include: receives all visitors and phone calls; exercises exclusive control over appointment calendar; with complete authority for commitments of time; receives and screens incoming mail; maintains files, prepares travel orders and itineraries; reviews and prepares correspondence. This position may be converted to full time permanent without further advertisement. Promotion potential to GS-8. **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 to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative 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. Supplemental Qualifications Statement required, along with form 171. Supplemental available in Personnel Bldg., Rm. 113 from Susie Cross.

Announcement No. 24552, Police Officer, GS-083-4, PD No. 7274033, Code 2414 — Position is located in the Detective Branch of the Police Division, Safety and Security Department. Primary duties include: enforcing a wide variety of federal, state, and local laws and regulations; conducting investigations of crimes; developing contacts; collecting information and conducting investigations regarding the illegal use of drugs and narcotics; and handling the narcotics detector dog. **Job Relevant Criteria:** Knowledge of federal, state, and local laws and regulations; knowledge of investigative techniques; ability to identify drugs and narcotics; and ability to handle and care for a narcotics detector dog.

Announcement No. 24053, Firefighter, GS-081-SB, PD No. 7924016N, Code 242 — This position is located in the Fire Division of the Safety and Security Department. Major duties include driving and operating structural pumps and any type crash fire trucks, responding on ambulance calls as either driver or attendant, inspection of Center's buildings and property, and conducting training classes for trainee firefighters. **Job Relevant Criteria:** Knowledge of locations (streets, water distribution, alarm/detection systems, buildings, contents/layouts, etc.); ability to operate firefighting apparatus and equipment, structural pumps, crash fire trucks, pumping systems, nozzles, rescue equipment; driving ability (proper use of gears, clutch and brakes); demonstrated safe, smooth and effective operations of vehicles; knowledge of fire prevention practices with regard to building inspections and ability to identify fire hazards; knowledge of reference materials, corporations or partnerships; knowledge of fire, origin and techniques of extinguishing fires; ability to accept responsibility and carry out assignments with minimal supervision. This announcement will be used to establish the promotion register for Firefighter, GS-081-SB, which will remain in effective until August 1982. Supplemental forms are required and must be submitted with SF-171. Supplementals and SF-171's may be obtained from receptionist in Personnel Department.

Announcement No. 26-277, Industrial Electronics Control Mechanic, WG-2463-8 JD No. 465N, Code 24427 — Position is located in the Maintenance Unit, Division of the Public Works Department. Duties of this position are to lay out, plan, design, build, test, install, maintain, troubleshoot and repair all types of highly complex integral devices, sub-assemblies and complete electronic units such as remote control and telemetry, instrumentation, data recording, boiler flame safety devices, distillery, X-ray, electro-cardiac monitors and recorders, security alarms and devices, and voltage and frequency controls for power generating equipment. Position may be filled at the WG-8 or WG-11 level. If filled at WG-8, incumbent may be promoted to WG-11. Promotion is not guaranteed. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of industrial equipment operation, control and control repair; knowledge of electrical and electronic theory; use of test equipment; ability to troubleshoot; ability to interpret instructions, blueprints, schematics, specifications, etc. Note: Supplemental Qualifications Statement is required and may be picked up from the Personnel Department, Building 34, Rm. 210, or reception desk.

Announcement No. 26-278, Electrician, WG-2805-10, JD No. 457N (2 vacancies), Code 2641E — Positions are in the Maintenance Utilities Division of the Public Works Department. Incumbents plan, prepare, install, test, and evaluate blueprints, sketches and specifications; cut pipes to size, thread, assemble and lay out to building framework and pull wire through conduit; lay out, assemble, install and test electrical fixtures, apparatus, control equipment and wiring used in the alarm, radio communication, light and power systems of buildings; install and splice wires, cables and auxiliary equipment; replace defective wiring, overhaul and repair motors; perform non-scientific electronics work of experimental nature, maintain and repair electrical and electronic equipment in boiler plants. **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 Qualifications Statement is required along with SF-171 and may be picked up at the Personnel Building, Room 109.

Graduate-level long term training is available

Applications for long-term graduate-level training (training off-site for a period 120 consecutive days or longer) for 1982-83 are invited from interested NWC employees.

To be eligible for long-term training, an individual must have been employed at NWC for three years at the time studies begin.

Long-term training may be considered to meet any of the following objectives:

(1) To update an employee's knowledge where there has been an appreciable lapse of time since the initial academic preparation for employment and subsequent in-service training.

(2) To provide a technically oriented employee with tools of management when job responsibilities have or will become predominantly managerial in nature.

(3) To expand an employee's knowledge and background within his or her occupational specialty, whether he or she occupies a technical or nontechnical

Merit pay awards presented to local patent counselors

Two of the Navy's Merit Pay Performance Awards went to local people when Dr. Thom Skeer, head of the Patent Council's Office, and Dr. Kenneth Pritchard, a patent advisor, were both honored for their outstanding work.

The Patent Council's Office is an activity of the Office of Naval Research, and is a tenant facility at China Lake.

Drs. Skeer and Pritchard were the only patent advisors in field service offices who received Merit Pay Performance Awards. They have both been stationed at China Lake since the fall of 1976.

position, by providing an opportunity to learn about significant developments or breakthroughs as they pertain to the mission of the activity.

(4) To acquire knowledge of some aspects of another occupation as they relate to an employee's present occupation where responsibilities tend to be interdisciplinary or multidisciplinary in nature.

(5) To provide for educational opportunities stressing motivational and human relations factors that contribute to effective technical and managerial competence.

Both graduate and undergraduate programs are supported by NWC. The Technical Planning Board (TPB) will consider applications in any area of study that relates directly to NWC program requirements. The primary criteria the TPB follows in determining when long-term training is used in lieu of after hours, part-time, or short-time programs are as follows:

The new knowledge and skills required of the employee, either in present or planned career assignments, necessitate a comprehensive, concentrated program of study.

The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term, full-time duration is required.

It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

There is no educational institution or academic program in the local or commuting area for part-time or after-hours training.

Navy Civilian Personnel Command funds are available to cover the trainee's travel

allowance to and from the school, tuition and fees required for enrollment, and payment of moving his/her immediate family and household goods to the school and back to the Center. NWC will be responsible for the trainee's salary.

Further details of the long term training program are provided in NAVWPNCEN INST 12410.5K of 31 Jan. 1979, and in the Long-Term Training Handbook. Both sources are available from department offices or from the Training Center. The long-term training application process has been streamlined since issuance of the handbook, so applicants are advised to contact Code 01A2 (phone NWC ext. 3793, Building 5, Room 20108) for application forms.

The deadline for submission of applications for programs commencing in the fall semester or fall/winter quarter of 1982-83 is March 5, 1982.

Counseling regarding the various programs or application procedures is available from Code 01A2. For additional information or help contact Len Gulick by calling NWC ext. 3793.

Long-term Training

Announcement No. 00-001, Undergraduate Long-Term Training Opportunity — Long-term training refers to the off-job training to which an employee is assigned on a full-time basis and which consists of more than 120 consecutive working days. Such training may be accomplished in either government or non-government facilities. The trainee receives full salary, tuition, shipment of household goods to the school site and back, and travel for the trainee and dependents to the school site and back. A three-for-one training agreement will be required from each successful applicant.

Eligibility to apply for undergraduate training includes all of the following: NWC employee for three years by September 1981; must be within two years maximum of completing desired undergraduate program; program of study must be in area (or related area) defined by Center Department heads as critical needs. In accordance with CPI 410.10 and NWC instruction 12410.5K of 31 Jan. 1979, areas of critical need are limited to: Computer Science (in a specialization other than that offered at NWC); Electrical Engineering (particularly software, facilities electronic design, semi-conductors, systems); Mechanical Engineering (particularly analytical and physical mechanics); Aeronautical Engineering; Chemical Engineering; Chemistry; Physics (particularly microwave, optical science, semi-conductors); Applied Mathematics; Acquisition/Contracting; Economics/Financial Analysis/Cost Accounting with A.D.P. background.

Areas of critical need are limited to: Computer Science (in a specialization other than that offered at NWC); Electrical Engineering (particularly software, facilities electronic design, semi-conductors, systems); Mechanical Engineering (particularly analytical and physical mechanics); Aeronautical Engineering; Chemical Engineering; Chemistry; Physics (particularly microwave, optical science, semi-conductors); Applied Mathematics; Acquisition/Contracting; Economics/Financial Analysis/Cost Accounting with A.D.P. background.

Eligible applicants will be ranked on the following relevant criteria: grade point average in previous college courses; past self-development efforts; plans for utilization of requested training. As identified by CTT Committee. The most highly qualified applicants will be selected according to the Long-Term Training Handbook (NWC IDP 3511 of April 1979). A total of 20 NWC employees will be able to undertake undergraduate or graduate training each year, with the Technical Planning Board deciding how many will fill in each category.

Applications can be obtained from Donna Gage, Code 01A2. Completed applications should be returned to the Reception Desk of the Personnel Department no later than 4:30 p.m. on Feb 12, 1982.

Announcement No. 26-279, Engineering Equipment Operator, WG-5716-10, JD No. 324N, Code 26781 — This position is located in the Transportation Division, Operations Branch, Heavy Equipment Section. Incumbent operates all types of dirt moving construction equipment including bulldozers, road graders, road rollers, ditch digging equipment to build roads, maintain roads, excavate, backfill, level ground, move earth and rocks, and load and transport heavy materials. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; knowledge of safety procedures; ability to interpret instructions, specifications, etc.; ability to operate equipment safely. Note: Supplemental Qualifications Statement is required with SF-171 and may be picked up in the Personnel Building, 505 Blandy Ave., at the reception desk or in Rm. 107.

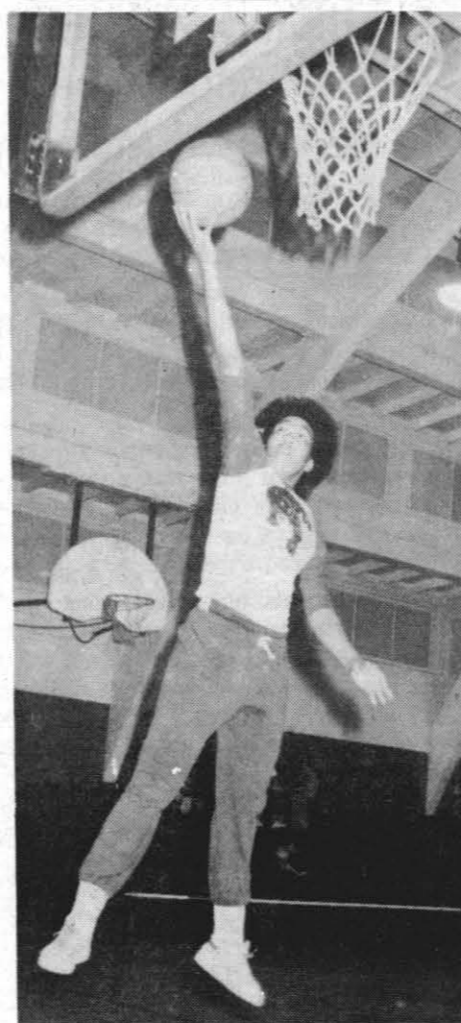
Announcement No. 26-280, Construction Representative, GS-089-9, PD No. 80260253, Code 2414 — (This is a temporary promotion not to exceed one year). Position is located in the Facilities Service Contracts Branch, Construction Division, Public Works Department. Incumbent will perform surveillance and inspection work on construction contracts between the Navy and private individuals, corporations or partnerships or other contracts subject to administration by NAVFAC. The incumbent reviews project plans and specifications prior to contract advertisement; attends prebid and preconstruction conferences to discuss principal construction features and requirements; coordinates construction operations with the Navy and the Public Works Officer. The incumbent observes and investigates construction at all stages. **Job Relevant Criteria:** Knowledge of construction practices and methods; knowledge of contract administration; knowledge of construction management; ability to deal effectively with a variety of personnel.

Announcement No. 26-281, Secretary (Typing), GS-318-5, PD No. 8226011N, Code 2601 — This position provides secretarial support in office of the associate head of production, Public Works Department. Duties include: maintaining calendar; setting up regular and special meetings; receiving and directing visitors and phone calls; reviewing and preparing correspondence; receiving and screening incoming mail; maintaining files; preparing travel orders and itineraries, etc. **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 to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative 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. Supplemental Qualifications Statement is required along with SF-171 and may be picked up at the Personnel Building, Rm. 100.

Announcement No. 33-094, Electronics Engineer, DP-855-2, PAC 8033582, Code 3324 — This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Incumbent will design and develop electronic components and circuits for target detecting device (TDD) systems, design electronic equipment or test sets to test TDDs and associated items, will perform field and laboratory tests, and evaluate production and circuit design changes. **Job Relevant Criteria:** Ability to work well with others; knowledge of production support activities; knowledge of microwave, digital and analog fields. Promotion potential to DP-3. Previous applicants need not reapply. Corrects previous ad from Code 3306.

Announcement No. 33-095, Supervisory Mechanical Engineer, DP-830-3, Supervisory Electronics Engineer, DP-855-3, PAC 8033541E27, Code 3315 — This position is Head, Design and Fabrication Branch, Sensor Systems Division of the Fuze and Sensors Department. The Design and Fabrication Branch provides electronic and mechanical design, packaging, fabrication and inspection services to the three development divisions of the Fuze and Sensors Department. The incumbent is the principle interface between the development divisions and the branch and is responsible for planning, scheduling, coordination, direction, and supervision of the branch. **Job Relevant Criteria:** Ability to plan, organize, assign and review work; experience with a service organization is desirable; interest in and potential to manage people problems; a background in electronics or mechanical design and fabrication is desirable. Previous applicants need not reapply.

Announcement No. 33-096, Supervisory Mechanical Engineer, DP-855-2/3 or Physicist, DP-1310-2/3, PAC 8033580, Code 3327 — This position is located in the Short Range Missile Fuze Branch, Fuze Systems Division, Fuze and Sensors



YN3 Fee Blackburn

Woman athlete vies for spot on all-Navy hoop squad roster

YN3 Felicia (Fee) Blackburn has been nominated for the Navy women's basketball team training camp that began this week and will continue through March 13, at the Naval Air Station, North Island (San Diego).

YN3 Blackburn, who is assigned to the VX-5 Administration Office, has served for nearly two years at China Lake, after being transferred here from Yeoman A School in Meridian, Miss.

Before enlisting in the Navy, she was a member of the girls' basketball team at Pasel High School in Kansas City, Mo., and this season has been playing on the NWC Slowbreak team that competes in the Recreation Division of the Intramural Basketball League at the Center gym.

This will be YN3 Blackburn's first attempt to make the Navy women's basketball team. If selected, she will join other members of this all-star group in inter-service competition for women March 14 through 19 at Fort Indiantown Gap near Annapolis, Pa.

Outstanding players from the various branches of the military service later will be singled out to form an all-service team to vie in the AAU nationals March 22-28 at Kansas City, Mo.

First of 2 classes in advanced lifesaving to begin on Monday

Plans were announced recently for offering two classes in advanced lifesaving that will begin during the second week in February at the Naval Weapons Center's indoor swimming pool.

Peggy Burke will be the instructor of both of these classes, and all those who wish to enroll must be able to swim a minimum of 500 yards.

One session of the advanced lifesaving class will be held on Monday and Wednesdays from 7 to 9 p.m., starting on Monday, and continuing through March 17.

The second session will be held on Tuesdays and Thursdays from 1 to 3 p.m., starting on Feb. 9 and continuing through March 18.

A fee of \$15 will be charged to cover the cost of a textbook, other materials and facility usage. The registration fee is due prior to the first class session, and can be paid at the Center gym office on weekdays between 8 a.m. and 4:30 p.m.

BHS soccer team on short end of two more league games

Burroughs High School's varsity soccer team suffered back-to-back defeats in games played last week against the Hart High School Indians from Newhall.

The home field advantage turned out to be of no consequence as the Burros were shut out 3-0 during a game played on the afternoon of Jan. 26 at the BHS athletic field, and then traveled last Friday, Jan. 29, to Newhall, where they lost 2-0 to the Indians.

In the first of these two games, the visitors

from Hart scored in the first 10 min. of the 80-min. contest on a 20-yd. boot into the net by Andre Genkle.

A short time later, an attempt by a BHS soccer player to clear the ball away from his net backfired when the ball struck a Hart player (Marcelle Chiodi) in the face and the ball rebounded into the Burros' net. Chiodi suffered a bloody nose, but had the satisfaction of knowing that he scored a goal.

Important games ahead for Burros . . .

(Continued from Page 6) then went on to rack up 22 points compared to 8 for Canyon in the third quarter.

There was no letup in the Burros' offense as they continued to draw away in the final period of play — boosting their lead to as high as 18 points (77-59) with 3 min. left until the final buzzer.

At this juncture, Coach Larry Bird took the opportunity for a wholesale substitution of reserve players and the Cowboys were able to take advantage of a plethora of fouls

that were called on the less-experienced BHS players to reduce the Burros' lead to 7 points at the final buzzer.

Heyward led the BHS offense with 22 points, followed by Scott Fulton's 18. In addition, guards David Wooten and Daniel Means tallied 12 points each, and Paul VanderWerf had 9.

High point man was Eric Lindvall, who pumped in 24 for the Canyon High team. He was joined in the double-figure scoring column by Matt Michelson with 11 and Todd Ridenour, who tallied 10.

Helped out by a strong wind at their backs in the second half, the Burros held their opponents scoreless until the final 6 min. of action when a bit of careless play cost them another goal on a rebound that made the final tally 3-0 in favor of Hart.

Last Friday afternoon on the Indians' home field, the host team broke the scoring ice after 14 min. of play when a pass from Shawn Bullock set up a goal off the toe of Guy Avagliano.

Nick Forshager accounted for the only other score for Hart in his second game as he brushed past a BHS defender, when the ball took a bad hop, and had a clear shot against goalkeeper John Lloyd.

The Burros showed some improvement around midfield in the ball control department during their second game against Hart, but couldn't break through for a score.

Final home games of the Golden League 1982 soccer season for the BHS team are scheduled this afternoon at 4 o'clock against Saugus, and a rematch on Thursday, Feb. 11, at 5 p.m. against Hart.

Promotional opportunities

Announcement No. 26-279, Engineering Equipment Operator, WG-5716-10, JD No. 324N, Code 26781 — This position is located in the Transportation Division, Operations Branch, Heavy Equipment Section. Incumbent operates all types of dirt moving construction equipment including bulldozers, road graders, road rollers, ditch digging equipment to build roads, maintain roads, excavate, backfill, level ground, move earth and rocks, and load and transport heavy materials. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; knowledge of safety procedures; ability to interpret instructions, specifications, etc.; ability to operate equipment safely. Note: Supplemental Qualifications Statement is required with SF-171 and may be picked up in the Personnel Building, 505 Blandy Ave., at the reception desk or in Rm. 107.

Announcement No. 26-280, Construction Representative, GS-089-9, PD No. 80260253, Code 2414 — (This is a temporary promotion not to exceed one year). Position is located in the Facilities Service Contracts Branch, Construction Division, Public Works Department. Incumbent will perform surveillance and inspection work on construction contracts between the Navy and private individuals, corporations or partnerships or other contracts subject to administration by NAVFAC. The incumbent reviews project plans and specifications prior to contract advertisement; attends prebid and preconstruction conferences to discuss principal construction features and requirements; coordinates construction operations with the Navy and the Public Works Officer. The incumbent observes and investigates construction at all stages. **Job Relevant Criteria:** Knowledge of construction practices and methods; knowledge of contract administration; knowledge of construction management; ability to deal effectively with a variety of personnel.

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Announcement No. 33-094, Electronics Engineer, DP-855-2, PAC 8033582, Code 3324 — This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Incumbent will design and develop electronic components and circuits for target detecting device (TDD) systems, design electronic equipment or test sets to test TDDs and associated items, will perform field and laboratory tests, and evaluate production and circuit design changes. **Job Relevant Criteria:** Ability to work well with others; knowledge of production support activities; knowledge of microwave, digital and analog fields. Promotion potential to DP-3. Previous applicants need not reapply. Corrects previous ad from Code 3306.

Announcement No. 33-095, Supervisory Mechanical Engineer, DP-830-3, Supervisory Electronics Engineer, DP-855-3, PAC 8033541E27, Code 3315 — This position is Head, Design and Fabrication Branch, Sensor Systems Division of the Fuze and Sensors Department. The Design and Fabrication Branch provides electronic and mechanical design, packaging, fabrication and inspection services to the three development divisions of the Fuze and Sensors Department. The incumbent is the principle interface between the development divisions and the branch and is responsible for planning, scheduling, coordination, direction, and supervision of the branch. **Job Relevant Criteria:** Ability to plan, organize, assign and review work; experience with a service organization is desirable; interest in and potential to manage people problems; a background in electronics or mechanical design and fabrication is desirable. Previous applicants need not reapply.

Announcement No. 33-096, Supervisory Mechanical Engineer, DP-855-2/3 or Physicist, DP-1310-2/3, PAC 8033580, Code 3327 — This position is located in the Short Range Missile Fuze Branch, Fuze Systems Division, Fuze and Sensors

Department. The branch is responsible for the design, development and production support of proximity fuze systems for small air-to-air weapons. The incumbent will be responsible for the design, development and production support of unique target detection and ranging devices. The responsibilities will include systems analysis, the development and evaluation of alternative technical solutions, the design and testing of demonstration systems; and the production support for systems in production. **Job Relevant Criteria:** Knowledge and understanding of analog and digital electronic systems; some knowledge of optical and/or RF systems; effective in written and oral communication.

Announcement No. 33-027, Interdisciplinary Supv Position, DP-3/4, PAC 8123411E, Code 3311 — This position is Head, Exploratory Development Branch, Sensor Systems Division of the Fuze and Sensors Department. The Exploratory Development Branch is concerned with optical and RF Fuzes (Target Detecting Devices (TDD) sensors). The branch responsibilities include: system concept formulation, design, development, and demonstration phases that include both laboratory and field test activities. Additionally, studies are performed in both the RF and EO areas to support the "system development program. **Job Relevant Criteria:** Applicants must have knowledge of signal processing and electronic systems with the design and development of either radio frequency or electro-optic sensor systems or both is desirable; experience with field tests and field test equipment for testing these types of sensors is also desirable. Previous applicants need not reapply.

Announcement No. 35-029, Computer Operator, GS-322-4/3/4/7/8/9, Code 3872 — Position is located in the Computer Services Branch, Research Department. Serves as a computer operator in the operation of major ADP systems (UNIVAC 1110) with full operational responsibilities over on-line peripheral equipment and associated devices. Status eligible accepting. **Job Relevant Criteria:** Knowledge of data processing; ability to make sound decisions; ability to work under pressure. Promotion potential to GS-9. Promotion to higher level is not guaranteed. Previous applicants need not reapply.

Announcement No. B-6-12, Clerk, GS-303-4, PD No. 8106007N, Code 0633 — This is a permanent, part-time position located in the Test and Airspace Scheduling Office, I&E Directorate. Incumbent works with project engineers, test range coordinators, pilots and technicians. Duties include learning how to schedule tests involving weapons and aircraft on the ranges, keeping track of requests from projects and pilots involving use of airspace, ranges, maintaining daily aircraft schedules, and learning the Navy and FAA regulations related to use of airspace. **Job Relevant Criteria:** Ability to apply and interpret rules and regulations effectively; ability to communicate with all echelons of personnel, both military and civilian. Previous applicants should re-apply if interested in being reconsidered.

Announcement No. B-62-20, Ordnance Equipment Mechanic, Foreman, WS-4441-9, PD No. 715509E, Code 4222 — This is a supervisory position in the Support Section of the Ground Ranges Branch. The function of this position is to provide supervision to Ordnance Equipment Mechanics, Ordnance Equipment Repairmen in the assembly, disassembly, modification, adjustment, repair, servicing and operation of specialized equipment and ordnance involved in the testing of rockets, guided missiles, projectiles and high explosive items. **Job Relevant Criteria:** Ability to supervise; technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials; knowledge of pertinent loads and equipment; knowledge of EEO practices. SF-171 and Supplemental Qualifications Statement are required and may be obtained from the receptionist in Rm. 100 of the Personnel Department Building.

Announcement No. B-62-32, Administrative Officer, DA-341-3, PAC 8162510E, Code 6202 — This position is head of staff for the Range Department with primary responsibility for the establishment and direction of department wide administrative policies and procedures. Incumbent performs planning for funds, manpower, space, equipment; reviews and analyzes department organizational structure and functions for efficiency; acts as administrative advisor to the department head and as liaison to personnel of other departments and activities. **Job Relevant Criteria:** Knowledge of personnel, finance, organization and management theory, administrative systems analysis and research methods; ability to exercise originality and initiative; skill in gaining acceptance of policies and programs; ability to coordinate diverse operations; ability to work with personnel at all levels; ability to communicate effectively, orally and in writing.

Announcement No. 3606, Interdisciplinary Mech/Electrical/General Engineer, Electronics Technician, DP-830/855/801-3, DP-T-854-3, PAC No. 8236588E, 8236589E,

Code 3602 — 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 substantially modified systems, i.e. NFM (New Finding Module) or QLTIC Mobile Land Target. 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 insure that adequate test and inspection procedures can be accommodated. Participates in the development of specifications and reviews design disclosure documentation to ensure the manufacture of products meet design intent. Analyzes production problems and items that failed to meet specifications to determine cause and identify potential solutions. Conduct pre-award and post-award surveys of contractor facilities to evaluate contractor capability and adequacy of plant production facilities. Is responsible for ensuring the production program can be adequately supported and in-service engineering is planned and implemented during operational phases of the program. **Job Relevant Criteria:** Knowledge of electronics and/or electro/mechanical devices; good understanding of production management, project management, configuration management, logistics requirements, reliability/maintainability, maintenance planning, procurement management, resources management and control, and the systems acquisition cycle; ability to deal effectively with all levels of both technical/management personnel, both at NAVWPNCEN and other activities. Commands and supervises other contractors; ability to make effective oral and written presentations.

Announcement No. 35058, Multidisciplinary, Electronics Technician/Physical Science Technician, DT-856/3111-PAC No. 8123794, Code 3351 — Position is located in the Test Support Branch, Electronic Warfare Threat Evaluation Simulation (EWTES). Electronic Warfare Department, Code 3551. Incumbent will maintain, operate, calibrate, and modify a major real-time digital data acquisition system used to control and evaluate airborne electronic warfare devices and tactics in an RF environment. **Job Relevant Criteria:** Ability to maintain, operate and calibrate digital data acquisition systems. **Job Relevant Criteria:** Knowledge of digital computers and associated peripheral devices; knowledge of microprocessors; knowledge of high level computer machine language programming such as FORTRAN and SYCOL; knowledge of electronic schematics and computer logic schematics; knowledge of mathematics including trigonometry. Position is subject to the first 40 hour work week, although the candidate should bear in mind that a test schedule is the driving function regulating work hours. Applications will be accepted from status eligibles. Previous applicants need not reapply.

Reassignment opportunities

This column will be used to fill only engineering and scientific positions through reassignment and through promotion to positions with equal promotion potential. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will only be accepted from employees currently in scientific or engineering positions. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

Announcement No. 32-036, Chemical Engineer, DP 893-3, PAC No. 803281E, Code 3282 — This position is located in the Explosives Tech. Agency Branch, Conventional Weapons Division, Ordnance Systems Department. The incumbent's responsibilities include: Processing of explosive materials including casting, pressing and injection loading; design of tooling and associated fixtures and equipment; project engineering including proposals, plans, scheduling, estimating; preparation of process procedures and safety documentation for operation of building and facilities. Contact Richard G. Moore, ext. 2128, Code 32601, to apply for this position or for more information.

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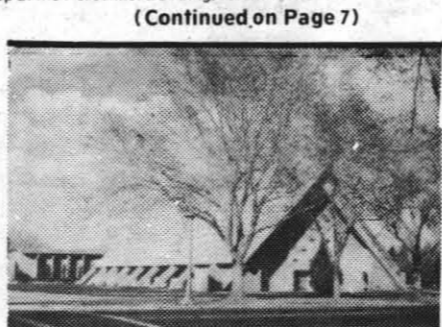
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DIVINE SERVICES

(Continued on Page 7)

PROTESTANT



HDHC cagers win Intramural League game with Gents

Stock in the High Desert Home Center team rose during last week's play in the Ridgecrest Recreation Department's adult Intramural Basketball League at the Center gym.

HDHC knocked off the top-rated ILWU Gents 72-63 and also outscored the Emhiser cagers 61-50.

Steve Felix was the big gun for HDHC in its win over the Gents, as he poured 38 points through the hoop. The ILWU team was led by Glen Polk, who tallied 29. HDHC led 36-29 at the mid-game intermission, and also put together a strong second half.

In posting its second win last week — this time at the expense of the Emhiser team — HDHC got a 20-point scoring effort from Ramon Smith. Leading scorer for Emhiser was Dave Worscheck, who chalked up 14. HDHC expanded a 28-23 halftime lead to a 11-point margin of 61-50 at the final buzzer.

In other Competitive Division contests, the ILWU Gents defeated Loewen's 69-58, the Rowdies pounded Loewen's 62-28, and Emhiser won by a forfeit over the Simutach Turtles.

Steve Blanche chucked in 24 points to spearhead ILWU's win over Loewen's, while Robert Cubit had 15 for the losing team. The Gents extended a 33-28 halftime lead to a 11-point margin in the final 15 minutes of play.

The Rowdies made it look easy as they clubbed Loewen's by a final tally of 62-28. Mark Antis of the Rowdies was the game's high point man with 16.

Just three games were played in the league's Recreation Division. The NWC Slowbreak cagers continued to fall behind by losing to the Eagles and Chicken Hawks by scores of 57-42 and 54-41, respectively.

Brant Tunget scored 21 points to lead the Eagles to their win by a comfortable margin over the Slowbreak quintet. The Eagles ran up a 30-20 halftime lead and built this up to 57-42 before time ran out in the second half.

A hot hand by Larry Cubit, who tallied 39 points, was nearly enough by itself to win the game for Chicken Hawks over the NWC Slow Break squad. The military team fell behind 30-23 at the half and couldn't gain any ground on the Chicken Hawks in the second half of play. Rick Feauto's 12 points were tops for the NWC Slowbreak cagers.

Picking up their second win of the week, the Eagles clawed the Poochies 39-32 in the only other Recreation Division tilt. In this game between two evenly-matched teams, the Eagles led 18-13 at the half and had a 7-point lead at the final buzzer. Dennis Henden of the Eagles was the game's top scorer with 12.

Basketball event next on Commander's Cup agenda

Basketball is the next event on the schedule of Commander's Cup competition for military athletes.

Teams representing NWC Blue, NWC Gold, and VX-5 will vie on Feb. 16, 17, and 18 at the Center gym, starting at 4:30 p.m. each day.

Active duty military personnel interested in participating should contact the appropriate military athletic representative. They are: for NWC Gold, Ens. K. L. Dorrell, phone 3411, ext. 473; for NWC Blue, AME2 Basil Robinson, phone NWC ext. 5564; and for VX-5, DPl Boyd Dunham, phone NWC ext. 5322.

Commander's Cup basketball action will get underway on Feb. 16 with a game between VX-5 and NWC Blue, followed by the VX-5 vs. NWC Blue matchup on Feb. 17. The final event is the game on Feb. 18 between NWC Gold and NWC Blue.

BHS boys face showdown in league hoop action

It's showdown time in the Golden League for the Burroughs High School boys' varsity basketball team.

With another pair of wings against league foes under their belts this past week, the Burros will host Palmdale tonight and be on the road tomorrow night for a crucial contest against the Antelope Valley cagers in Lancaster.

Tip-off time for both varsity contests is 8 p.m., following freshman and junior varsity games that will get underway at 5 and 6:30

p.m., respectively.

Golden League action culminates next week when the Burros' varsity hoopsters will host Hart in the hope of avenging their only league loss of the season, and then travel to Quartz Hill for the league finale on Feb. 12.

Last Tuesday night's game at Saugus turned into barn-burner before the Burros escaped with a 51-49 win over the Centurions.

The BHS varsity was able to thwart the

slow, deliberate offense of the Saugus team by getting off to a first quarter lead of 13-10 and then outscoring the Centurions 12-6 in the second period of play.

After leaving the court at halftime with a 25-16 lead, the Burros ran away from Saugus as they built up a 14-point lead of 35-21 midway through the third quarter.

At that juncture in the game, however, the momentum began to build for the Centurions, who gradually began to cut into the BHS lead.

In what was a low-scoring game, the Burros led 37-31 at the end of the third quarter. This set the stage for the final 8-min. of action during which the Centurions on six different occasions came to within 2 points of catching up with the Burros, but were never quite able to do so.

Timely field goal shooting by John Brooks, who had 6 points early in the fourth period, and by Chris Reese, who lobbed in four field goals late in the game for Saugus, nearly turned the trick for the Centurions. Their efforts were offset, however, by the clutch free throws of Danny Means (4), and Paul VanderWerk and Dave Wooten (2 each) for the Burros.

Means ended up as the game's high point man with 19, and was the only player for Burroughs in the double-figure scoring column. Wooten and Scott Fulton tallied 8 points each for the Burros.

The Centurions were led by Reese (16), Brooks (15), and Frank Rowley (10).

Getting off on the right foot at the start of the second round of the Golden League basketball season, the Burroughs High boys' varsity basketball team rolled to 79-72 win over the Canyon Cowboys in a game played last Friday night at the BHS gym.

The final score is no indication of how the Burros dominated the third and fourth periods of play after a nip and tuck first half that ended with the Ridgecrest team ahead by the scant margin of a single point — 39-38.

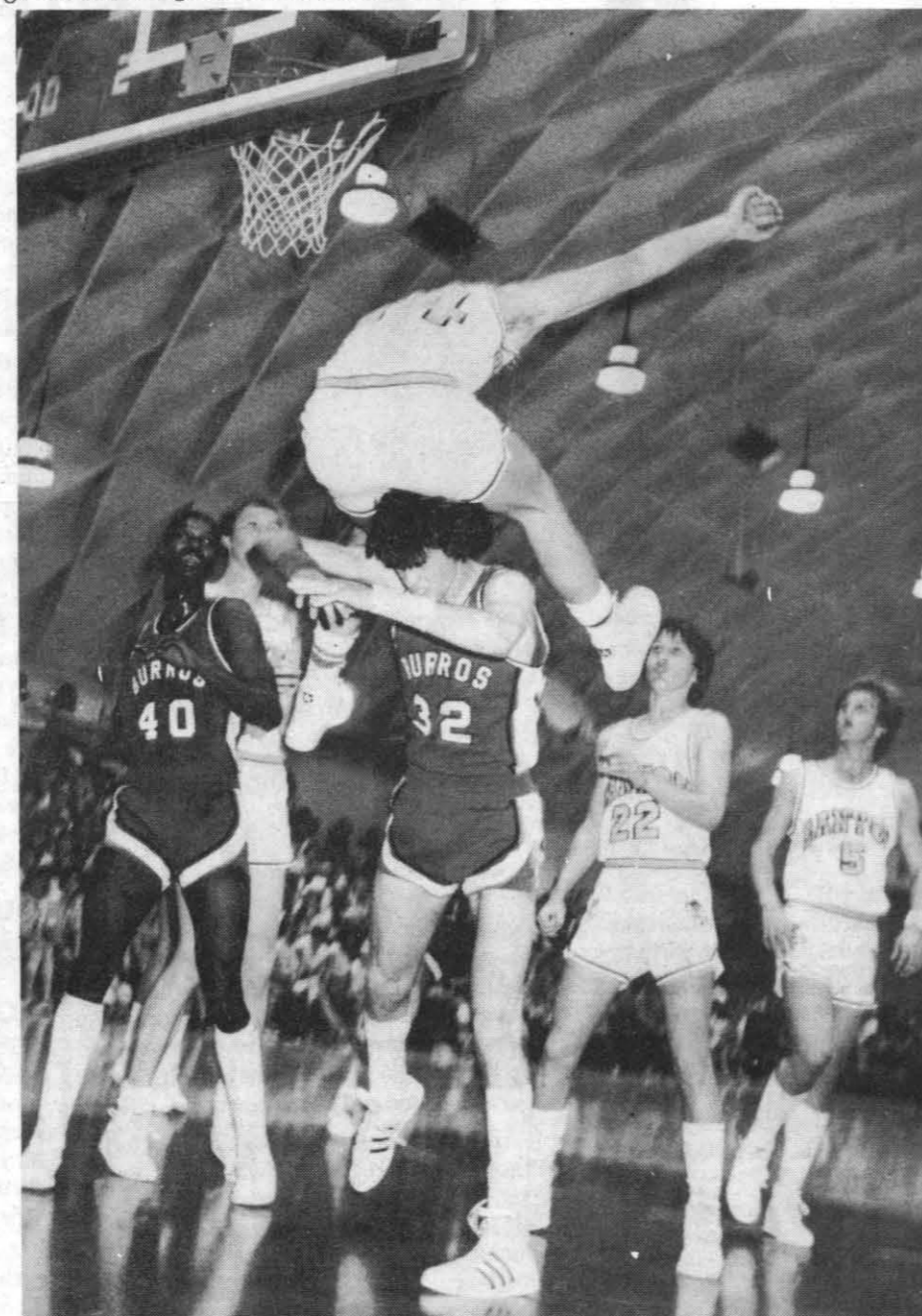
It looked like this one could be headed for a replay of the earlier encounter between these two teams, which Burroughs won 70-69, but that all changed to the advantage of the BHS cagers following the halftime intermission.

The Cowboys came out looking good at the start of the game, and broke on top by rolling up a 22-18 first quarter lead. The Burros remained within striking distance, however, and a basket by Dave Wooten sandwiched in between a pair of charity tosses and a field goal by Dalton Heyward gave BHS a 32-30 lead with just under 3 min. left to play in the first half.

Heyward was the game's top scorer at halftime with 14 points on five field goals and four free throws, while Paul VanderWerk came off the bench to spark second-quarter rally during which the Burros caught up with and then went ahead of the Cowboys.

The BHS cagers opened the second half with a hot streak as they outscored the Cowboys 10-2 in the first 3 min. of play, and

(Continued on Page 7)



RIDING HIGH — Todd Ridenour of the Canyon Cowboys fouled out of the game as a result of this bit of acrobatics during the fourth quarter of the Burros vs. Canyon varsity hoop tilt last Friday night in the Burroughs High gym. In a leaping try for the ball, Ridenour landed on the shoulder of Paul VanderWerk (No. 32) and then dropped onto the floor when VanderWerk straightened up. Onlookers are Dalton Heyward (No. 40) of Burroughs and Matt Michelson (No. 22) and Jeff Hight (No. 5), of the Canyon High Cowboys, who were defeated 79-72.

Burros girls to tangle with AV team in crucial league tilt Sat.

Burroughs High School girls' varsity basketball team, defending Golden League champions, will have the chance here on Saturday night to make up for their only league loss of the 1982 season when they tangle with their counterparts from Antelope Valley High School.

The varsity clash is scheduled to start at 8 p.m., following freshman and junior varsity contests at 5 and 6:30 p.m., respectively.

On Tuesday night, the BHS girls made it two wins in a row in the second round of league play as they trampled the Saugus Centurions 60-25. Outscored 18-8 in the first quarter, the visitors from Saugus could muster only 1 point in the second period of play, and fell behind 36-9 at the half.

Mary McDonough set a BHS girls' basketball record with 13 assists in the game against Saugus. Principal beneficiaries of her talents were Shelly Gravelle, a starting forward, and Marjorie DeGraw, a reserve center, who both tallied 14 points for the Burros.

Before the Burroettes host Antelope Valley tomorrow night in a game they must win to earn a tie for the league lead, they will be on the road tonight for a contest at

Palmdale. Tip-off time is 8 p.m. for the varsity tilt that will be preceded by freshman and junior varsity games at 5 and 6:30 p.m., respectively.

Rebounding from their only Golden League loss of the 1982 season (a setback at the hands of Antelope Valley), the Burroughs High School girls' varsity basketball team returned to winning form last Friday night with a 56-25 victory at Canyon High School.

A contest in name only, it wasn't much different than the earlier matchup between these two teams that was won 62-27 by the BHS girls.

The Burroettes extended an 18-4 first quarter lead to a 30-6 advantage at halftime against the Canyon Cowgirls, who offered only token opposition.

Coach Maria McBride had ample opportunity to try out all possible combinations of players — getting everyone into the game as the score mounted.

Scoring leaders for the BHS girls were Shelly Gravelle, who tallied 11 points and latched onto 11 rebounds, and Leslie Krenzle, who hit 10 points and grabbed 6 rebounds.

Men's Ace of Year golf tournament won by Ed Nelson

Ed Nelson, head of the Metrology Laboratory in the NWC Engineering Department's Product Assurance Division, was the recent winner of the Ace of the Year golf tournament held by the China Lake Men's Golf Club.

Nelson topped a field of 24 entries (all of them winners and runners-up from Ace of the Month matches held during 1981) by firing an 18-hole low net score of 67 (including handicap).

John Farron and Curtis Bryant turned in the day's a low gross score of 77 (without handicap), but it was Farron who was declared the winner in this category after his scorecard was compared with that of Bryant.

Basil Legg was the runner-up for low net honors with score of 72.

The winners and runners-up in each category of the Ace of the Year tourney received gift certificates redeemable for merchandise at the golf course pro shop.

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. Lahr. 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-command channels.

QUESTION

Civilian — I rent housing on base and I was just curious, now that housing is annexed to the city, if we would be allowed to claim renter deduction on our income tax. In the past we haven't been able to and with the taxes going to the city, I wonder if that made us eligible to claim it now?

ANSWER

Instructions for completing the California income tax form indicate that you do not qualify for the renter's credit if the rented house was exempt from property taxes. Center housing is exempt from taxation because it is owned by the Federal Government. Since NWC does not pay any property tax on the housing units, China Lake residents are ineligible for renter's credit. Too bad for us, but I'm glad you asked.

For the record, the tax benefits that Ridgecrest will receive are from a different source. When the state distributes cigarette, gasoline, and motor vehicle tax revenues according to population, Ridgecrest expects to receive as much as \$140,000 more than it did before annexing China Lake.

QUESTION

Retired Air Force — In the November 20, 1981, Rocketeer there is a statement that the Navy Exchange is not a profit-making organization. My question is, why do cigarettes cost much more in the Navy Exchange than they do an Air Force Commissary?

ANSWER

The Navy Exchange can be considered a non-profit organization because any surplus monies are returned to the Navy Exchange patron through Recreational Services, in the form of basketballs, tennis nets, camping equipment, etc.

The reason cigarettes cost more (I guess, since we'll take your word for it) at a Navy Exchange is because of differing markup policies. All items are sold at a markup in an attempt to provide Recreational Services with monies over and above expenses. Commissaries, in contrast, use a variable pricing system whereby the only goal is to cover their expenses.

QUESTION

Retired Military — In reference to the annexation, the City Council says that there would be money gotten by taxes on cigarettes, gasoline, and liquor. Will a tax be put on these that would go to the city since it was stated that they would get revenues from these?

ANSWER

The City of Ridgecrest receives a prorated share of taxes raised by the State of California on gasoline, cigarettes, and liquor. This share is determined by the number of people residing within the city limits and is a percentage of all such revenues raised within the state.

By including NWC housing areas within the city limits, the City of Ridgecrest hopes to qualify for a larger share of state revenues from these taxes. There will be no change in the rate on gasoline, liquor, or cigarettes as a result of the inclusion of the housing area within the city limits.

QUESTION

Military Retired — I would like to have it explained in the Rocketeer why the special services bowling alley could not be enlarged to accommodate more patrons.

ANSWER

First of all, I, too, would like to enlarge our bowling alley facility. However, size of bowling centers on military installation is established according to The Facility Planning Factor Criteria for Navy and Marine Corps Shore Installation, NAVFAC P-80. Based on our eligible-user population we cannot justify a larger facility.

QUESTION

Military — Can something be done about the glass, sand and loose gravel on the bike path? I've complained twice to safety and nothing has been done yet.

ANSWER

Thanks for your concern about safety — your own and that of others. By checking with the Public Works Department it was learned that the streets sweeper can handle this task, and a change order has been written into the contract in order to permit this to be done.

Arnold replaces Knemeyer . . .

(Continued from Page 1)

switched to old Code 40, and spent the next 18 years working on a variety of programs.

Much of his time was spent with Sidewinder and related weaponry, beginning with Diamondback and leading through Chaparral and other missiles and components of those missiles. For instance, in 1961 he and his branch began work on what became the Navy's first FLIR, which led eventually to his becoming the manager of the Night Attack Program.

His credits up to that time also included work on Shrike, and on "NOTSNIK," China Lake's effort in the late 1950s to air-launch a satellite. "That project was really the first time that we used any transistors," he reminisces. "NOTSNIK and its follow-ons — HITAB and Caleb — were really fun."

Arnold's work with Night Attack resulted in his becoming the program manager for the YOY-10 NOGS, in which an OV-10 air-

craft was fitted with a FLIR, a laser range finder and a gatling gun. The YOY-10 NOGS served with great credit in Vietnam in 1970.

Following this assignment, Arnold was a division head in the Air Weapons Department before becoming the Agile Program Manager. "I presided over its demise," he notes, "but some of the technology that was developed for Agile is very much in use on Center today." After Agile was cancelled, he became associate head of the Air Weapons Department (Code 51), until a reorganization during which that department vanished and he moved to the Weapons Department, where he served until he went to Washington on special assignment in 1977.

Arnold's wife, Nancy, is currently working in the Weapons Department as a drafting technician. They have one son, David, who is a student at Cerro Coso Community College.

In response to questions asked, update is given on road repairs

Work that is currently underway on the maintenance and repair of streets and roads on the Naval Weapons Center was been the subject of a number of inquiries addressed to Capt. Lahr by means of the "Skipper Sez" column.

Because of the similar nature of the questions, a check has been made with the Contract Division of the Public Works Department to determine the status of

New computer . . .

(Continued from Page 1)

compound.

Since free computer conversion time is limited, users are urged by Gene Anderson, head of the Computer Sciences Division, to convert to the new system as soon as possible. The new system is larger and faster, so the customer of the Central Computing Facility will be better served the more rapidly that this conversion is accomplished.

Some software conversion is required in order to comply with the government's Federal Information Processing Standards (FIPS), the government's version of "Milspec" type standard for the automatic data processing world.

Users who have programs in FORTRAN V and DoD-COBOL will need to rewrite these in ANSI FORTRAN and COBOL, UNIVAC's FTN and ACOB, respectively. Users will also need to convert their run-stream to level 38 EXEC-8, the operating system, in order to run on the UNIVAC 1100/82.

Users with programs that cannot be readily converted to FIPS-compliant software can ask for help from Computer Sciences Division personnel to work out a case-by-case conversion strategy if analysis shows that to be cost-effective.

Where conversion would be impractical — for instance, where source codes or documentation are missing — or where conversion is too expensive, either newly purchased, leased or internally developed software can be considered for programs that are essential.

Now that the new system has been installed, NWC users can expect a computational environment that provides not only more responsive support but also an environment that will quickly reflect those advances made in commercial computer systems for the next decade.

AMSAN Oswald is singled out as Sailor of Month by NWC

Aviation Structural Mechanic Airman Kenneth J. Oswald has been selected as Naval Weapons Center Sailor of the Month for December.

He is assigned as the senior technical librarian for the Quality Assurance/Analysis Division, where he orders, catalogs and makes changes to the technical publications, not only in that division, but also in all 38 work centers in Code 61 and several other codes.

The letter of nomination from ADC Richard A. Slater notes that extreme ac-

curacy in this job is a must because the manuals are used by mechanics, technicians, and flight crew personnel in their daily work with aircraft, and a mistake by Airman Oswald could have catastrophic consequences.

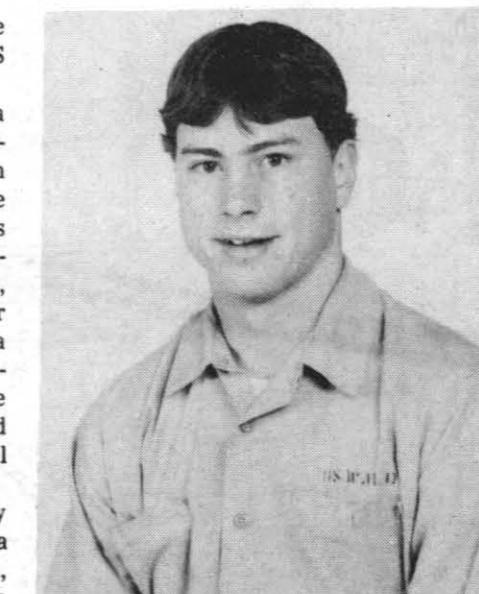
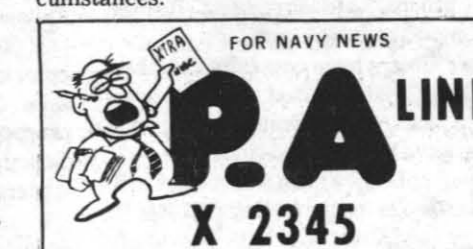
This job, the letter points out, is not normally part of his rate, but he has been assigned to it because of the shortage of Aviation Maintenance Administrationmen. "He has approached it with determination to do his best and get it right the first time," the letter says.

Although Airman Oswald has been in the Navy less than two years (one of which he has spent here), he is not really that new to Navy ways and Navy life because his father is a career Navy man.

Because of this, Airman Oswald says that he really can't call any one place home, but that much of his youth was spent in California, mostly up around San Jose.

The one thing that he misses at China Lake is that he has not been able to water ski. He has enjoyed the opportunity to do a lot of camping and fishing, and go deer hunting. When the weather is not conducive to camping, Airman Oswald spends his free time target shooting.

For being selected as Sailor of the Month, Airman Oswald will receive a letter of congratulations from Capt. Lahr and an NWC plaque with his name on it. He will also get a 96-hour special liberty, 30 days of no duty status, and a reserved parking space at the Enlisted Mess.



AMSAN Kenneth J. Oswald

Medical study . . .

(Continued from Page 1)

ployees will receive a printout of the analysis of a number of factors in their own blood for their personal medical records.

Since white-blood-cell counts can vary for many reasons, those who have a low white-blood-cell count will be asked to have additional samples drawn at monthly intervals for three months. Less than 10 percent are expected to fall into that category.

Those who have persistent low white-blood-cell counts over the three-month period will be given the opportunity to fly to NRCM San Diego on an NWC aircraft (or, if they prefer, they can drive at their own expense) for a one-day consultation with a Navy hematologist, including a sophisticated bone marrow culture. This service will be at no cost to the individual, and the individual will also not be charged either sick or annual leave for that day.

As soon as the test results are known, the individual will receive a full report of findings, showing whether the white-blood-cell count is a normal personal trait or caused by bone marrow damage. These latter personnel will receive counseling concerning the significance of the findings.

Studies will be repeated in each of the next two years.

By the early 1970s, the Occupational Health program physical examinations (regularly required for those in jobs such as chemists whose work may be considered potentially hazardous) were turning up a small number of personnel with low white-blood-cell counts. "Normal" counts have been defined as those of between 4,000 and 11,000 white blood cells per cubic millimeter. (Actually, no major study has been done on a general population to support those numbers, but they are commonly accepted by medical personnel.)

Command interest and concern for the welfare of the employees has resulted in this joint effort with the Navy Medical Department.

As with any research effort, planning the study, getting the cooperation of all interested groups, and arranging for the funding have taken some time.

All these factors have now come together. The Technicon H6000 blood analyzer is installed in the NRCM branch clinic and personnel have been trained to use it.

Arrangements have been worked out with NRCM San Diego for the testing that is to be done there (and those who have previously been identified as having chronic low white-blood-cell counts have been flown to San Diego last year for their bone marrow cultures).

All that is needed now is the cooperation of all members of the Center's work force to permit this small amount of blood to be drawn. Each participant will benefit individually by getting a good blood analysis and records of that analysis, the Center as a whole will benefit in determining if follow up action is indicated, and the medical community will benefit from having a large scale study done on white-blood-cell counts in a large population.

Help on shipping household goods available to military

Many service members have suffered hardship because they have been given erroneous information about shipment of household goods.

The best place for service members to get correct information about entitlements, time frames, storage or weight limits is the Personal Property Office, NWC ext. 3875 and 3885.

The Personal Property Office has the latest information on both local and worldwide policies affecting any moves by service personnel.

AFGE to meet Monday

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



VISITOR FROM FLORIDA — Dr. James F. Harvey (at right) visited NWC recently to look over the Weapons System Support Facility (WSSF) located in the Hangar 2 Annex at Armitage Airfield. Dr. Harvey, Technical Director of the Naval Training Equipment Center in Orlando, Fla., met with Dwayne Harms to review activities that are underway here in support of F-18 pilot trainers (simulated aircraft cockpit displays). According to Harms, head of the Weapons Department's F-18 Facility Branch, NWC has been identified by the Naval Air Systems Command as the cognizant activity over F-18 pilot trainers. Dr. Harvey visited China Lake not only to see what was being done here, but to inspect the facilities and equipment used for carrying out this responsibility. The two men are standing in front of a portion of the Weapons Systems Support Facility operator station.

Multimedia show on American heritage to be presented Mon.

A multimedia program that summarizes the dramatic account of how America was founded by men influenced by Biblical principles will be presented on Monday night, starting at 7, at the All Faith Chapel.

"America, You're Too Young to Die!" is the title of this program that is open to the public free of charge, and is being sponsored by the Indian Wells Valley Ministerial Fellowship.

A 45-minute presentation utilizing 12 computerized projectors covering a 36-ft. wide screen, this film chronicles the prosperity experienced by this nation during its rise from infancy to world leadership in just a relatively few years.

It also shows how America has since departed from the Biblical principles espoused by this nation's founding fathers

and is facing a serious threat to her liberty.

More than 1,000 visuals are synchronized to the musical lyrics and to the narration that sets forth the message of "America, You're Too Young to Die!"

Housing meeting planned

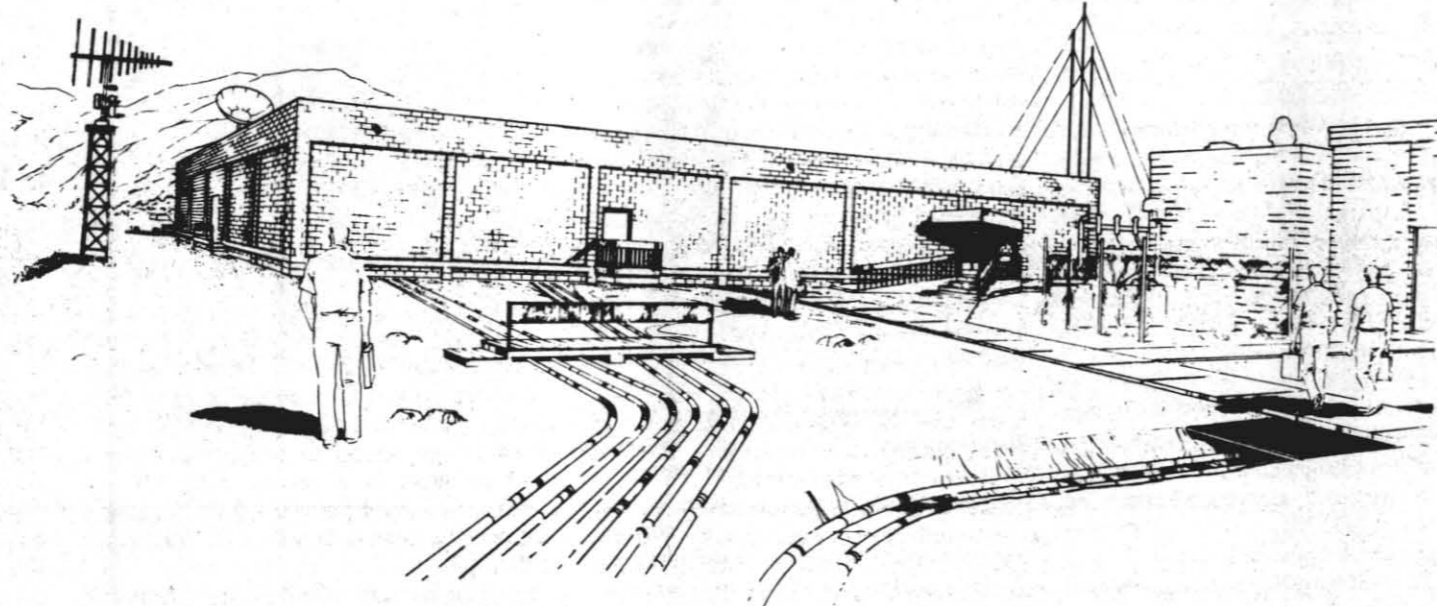
All residents of Naval Weapons Center housing are encouraged to attend a meeting on Monday at 7 p.m. at the Community Center.

Meetings of tenants are being held to permit questions to be asked about policies, procedures, and how to handle problems of various sorts. This will also be a good opportunity to discuss the formation of a Community Association, such as the China Lake Community Council that was disbanded several years ago.

The new Electronic Warfare Operation Center will be equipped with special air conditioning equipment necessary to maintain temperature control for the computers installed in this new building,

completed next January. This is a windowless, 15,000 sq. ft., single story, concrete block structure that will cost \$2,037,000. When completed and furnished, it will enable operations to be carried out under one roof that are now being handled in separate locations using vans and trailers to house complex electronic equipment.

The new Electronic Warfare Operation Center will be equipped with special air conditioning equipment necessary to maintain temperature control for the computers installed in this new building,



Electronic Warfare Operation Center

Police reports . . .

The burglary of a garage at 313 Sellars Circle netted thieves a tool box full of automotive and other types of tools, as well as an electric sander, according to a report made last Saturday to China Lake police. Amount of the loss was estimated at \$2,080.

The theft was made easy by the loan of a key to the garage to two suspects, who identified themselves to a woman tenant as a friend of the owner of the tools that were later discovered to be missing.

The thieves came to the door of the residence and asked to borrow some tools needed to remove a wheel from their car.

PICNIC TABLE VANISHES

A government-owned picnic table, valued at \$150, is missing from the cul de sac area adjacent to 1024 Nimitz Ave. Disappearance of the table was reported last Friday to China Lake police.

2 DRUNK DRIVERS ARRESTED

There were two drunk arrest by China Lake police on board the Naval Weapons Center during the month of January.

VANDALISM REPORTED

An incident of vandalism was reported last Saturday morning by the owner of a car left the previous night in the BEQ north parking lot. The car owner returned to his vehicle to find that someone had twisted the radio antenna out of shape. Damage was estimated at \$15.

STOLEN GOODS RECOVERED

A suspect in a recent burglary at 1300 Saratoga Ave., where \$2,000 worth of stereo equipment (speakers, receivers, cassette tape decks and record albums) were taken, was brought in for questioning this week by China Lake police.

The police were led to the suspect after he allegedly attempted to sell some of the stereo equipment. A prospective buyer became suspicious about the prices being asked for this equipment and called police.

Nearly all of the items taken during the items taken during the burglary have been recovered.

FIREWOOD TAKEN

The theft of firewood — offered for sale at Schoeffel Field by the Recreational Services Department — was reported Monday morning to China Lake police.

Approximately three-fourths of a cord of wood, valued at \$30, was taken either on Saturday or Sunday night.

The key words in that description are "on a short term basis." The long term effects of cocaine include loss of appetite, chronic insomnia, damage to mucus membranes (especially when cocaine is snorted), and feelings of persecution. In some instances, a toxic psychosis like paranoid schizophrenia results; other persons get tactile hallucinations such as the feeling that insects are crawling around under their skin.

No doubt exists that cocaine is psychologically addicting, but doctors disagree about whether it creates physical dependency. Evidence also conflicts about whether a tolerance to cocaine can be developed, meaning that increasingly larger amounts are needed by the drug abuser to get the same effect.

Range scheduling, project engineering, radio and ground communications, and video recording, all will be located in the Electronic Warfare Operation Center.

The Roebelen Construction Co., successful bidder on this project, has been at work since last September on the construction of a Weapons Systems Support Facility adjacent to Hangar 3 at Armitage Airfield.

Cocaine use can be harmful physically, psychologically, too

One of the major changes in drug abuse patterns occurring in the local area has been the increased use of cocaine.

Cocaine is a white powder made from the leaves of the coca plant grown high in the Andes Mountains in South America. Natives in that region chew the leaves of the plant like chewing tobacco to provide relief from fatigue.

The drug first came to prominence in the 1880s when it was used medically as an anesthetic for eye surgery. It was also used in nose and throat surgery to cut bleeding because it constricts blood vessels. Better drugs for both purposes replaced cocaine.

The only medical use of the drug in recent years has been in combination with morphine to help ease the pain of terminally ill patients, but the hospital in England that developed that elixir no longer uses it because cocaine contributed to patients having hallucinations and nightmares.

Once the cocaine is made into a powder, street cocaine is usually cut with other substances such as lactose and other sugars. Since profit to dealers is higher with small amounts of cocaine in the resulting mixture, the concentration of cocaine in any sample of street purchases of the drug vary and is usually less than the customer is led to believe.

Some cocaine users try to increase the effect of the drug by chemically processing it to "freebase." The processing itself can be extremely dangerous because it calls for an alkaline to be mixed with cocaine along with a solvent like petroleum ether, which is highly flammable. (Richard Pryor is suspected of having suffered his major burns as a result of an accident involving making freebase.)

While many people are led to believe that cocaine is harmless enough to be used recreationally, this belief is wrong.

Overdose deaths have occurred, though rarely, as a result of seizures that were followed by either respiratory or cardiac arrest. These reactions are most apt to happen with freebase, which can be ingested, injected or smoked and is therefore more highly concentrated. Most regular cocaine is inhaled ("snorted").

Cocaine works as a central nervous system stimulant that produces higher body temperatures, higher blood pressure and increased heart rates. It serves, on a short term basis, as a mood elevator.

The key words in that description are "on a short term basis." The long term effects of cocaine include loss of appetite, chronic insomnia, damage to mucus membranes (especially when cocaine is snorted), and feelings of persecution. In some instances, a toxic psychosis like paranoid schizophrenia results; other persons get tactile hallucinations such as the feeling that insects are crawling around under their skin.

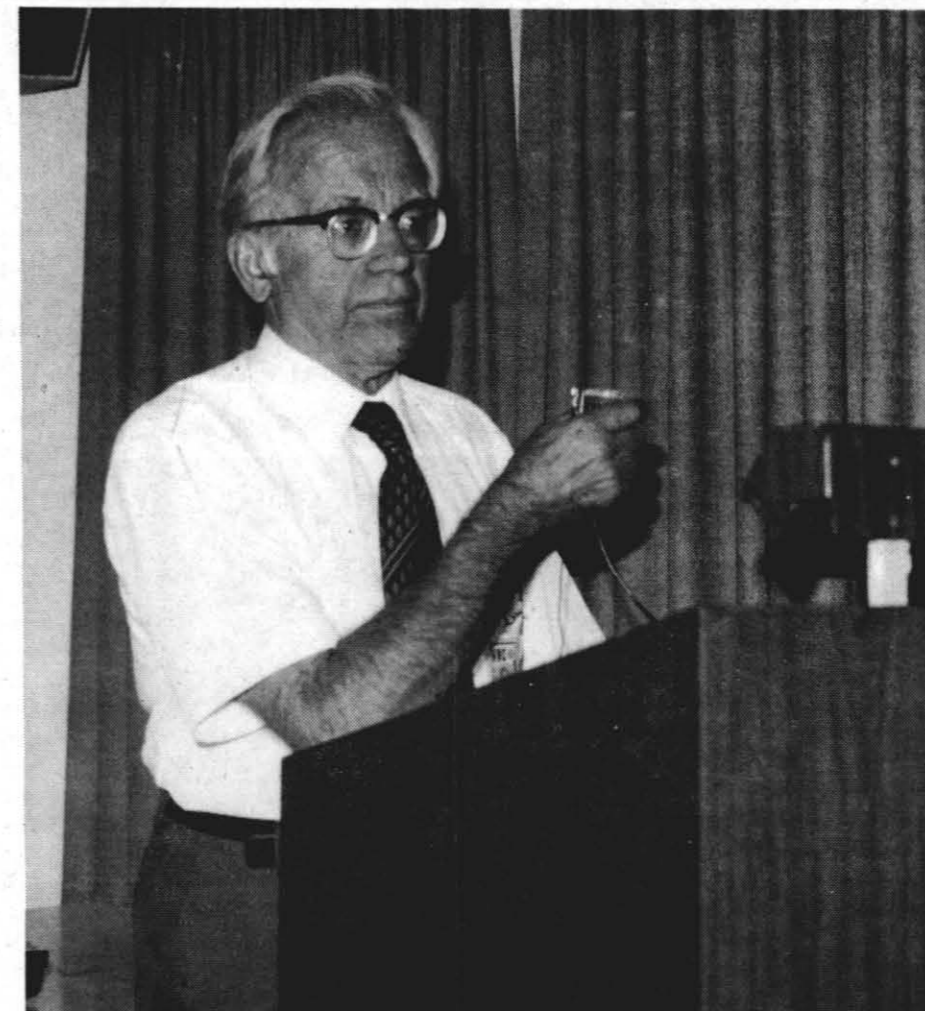
No doubt exists that cocaine is psychologically addicting, but doctors disagree about whether it creates physical dependency. Evidence also conflicts about whether a tolerance to cocaine can be developed, meaning that increasingly larger amounts are needed by the drug abuser to get the same effect.

Contract signed for cable TV service to homes on Center

A contract for providing cable television service to homes on the Naval Weapons Center was awarded recently by the Western Division of the Naval Facilities Engineering Command in San Bruno, Calif., to Coastside Cable TV.

Home office of the contractor is in El Granada, a community in the San Francisco Bay area.

The contractor must now submit construction plans to the Naval Weapons Center for approval prior to beginning any cable TV installation work.



SHARING EXPERTISE — Ted W. Knacke, an aeronautical engineer who has been actively working with various phases of escape systems and deceleration systems since 1934, teaches Parachute System Technology at the Training Center three half-days each month. Enrollment is open for his classes.

— Photo by PHAN Theodore Fukada

Expert in parachute technology teaching monthly class at NWC

Personnel at NWC who are interested in all phases of Parachute System Technology have a rare and unusual opportunity to learn from a top expert in the field.

Ted W. Knacke, a retired aeronautical engineer, teaches various phases of parachute technology on-Center for three half-days each month. Although the first class has already been held, openings exist for the remaining classes scheduled during the year.

Areas being covered include parachute system application, parachute technology, parachute materials, parachute strength analysis, parachute vehicle systems, recovery system components, parachute design, and testing of parachutes and recovery systems.

All students will be provided with a notebook containing extensive technical material. They may attend any part of the course during the year, but need to register by submitting the standard training request form via department channels to Code 094.

Knacke began his career in Germany in 1934, working on aircraft flight and landing deceleration and missile recovery and

National director of FMA to speak here Tuesday noon

All interested Center personnel will have an opportunity to get an insider's view of what's happening in Washington on Wednesday when Bun Bray, National Executive Director of the Federal Managers Association (FMA), will speak at an open lunch meeting of the FMA.

The meeting will be held in the Enlisted Mess, starting at 11:30 a.m., with Bray's talk to begin shortly thereafter. He will answer questions from the floor about such matters as health insurance benefits, potential changes in Civil Service retirement, possible changes in A-76 (contracting out), and other matters of current interest that are pending on the Washington legislative scene.

Reservations are necessary to attend the meeting to ensure adequate seating, and a separate buffet line will be established for those wishing the buffet lunch. Reservations may be made by telephoning the Enlisted Mess at 446-6929.

the development of ribbon parachutes. He came to the United States in 1946 under operation PAPER CLIP, going to work for the Air Force at Wright-Patterson Air Force Base. While there, he started supersonic parachute development for missiles and drones and the development of the ring slot parachute and general parachutes.

He next served as Technical Director of USAF 6511 Test Group at El Centro, Calif., and then switched to private industry in 1957. Knacke's work in private industry included being Northrup's Chief of Technical Staff for Gemini and Apollo space landing systems.

He has been serving as a consultant to NWC in early 1981, in addition to serving as a consultant for the Air Force since his retirement from industry in 1976.

To conserve energy, heat, cooling device usage is controlled

To help the Naval Weapons Center attain and maintain its energy conservation goals, a number of energy-consuming devices fall under the control of NAVWPNCEN Instruction 4101.1B. (Energy Conservation).

Subject to control are refrigerated air conditioners, portable heating devices, lighting equipment, water heating equipment, ranges and ovens and microwave ovens, whether these are government owned or personally owned.

The use of any of these requires a properly approved exemption justification form, and, if such energy-consuming devices are ordered, the exemption form must be approved before the Supply Department can place the order.

An exemption form should be prepared by the building energy monitor for each such energy-consuming device (NAVWPNCEN form 4101/3), reviewed by the Department Energy Conservation Representatives, and forwarded to the appropriate department head or head of a tenant activity for decision. A copy of each approved request will then be sent to the Energy Program Office.

Exemptions are required for existing devices as well as new ones or they are subject to removal.

Houchin blood bank mobile unit in town next Tues. afternoon

Another of the regularly scheduled visits to Ridgcrest by the Houchin Community Blood Bank's mobile unit from Bakersfield will take place on Tuesday from 1 to 6 p.m.

Pints of blood contributed to the Indian Wells Valley Blood Bank's Advanced Fund will be collected at the Ridgcrest Elks Lodge, 200 E. Church St.

According to Kay Thoms, chairman, individuals may designate the person to whom their blood is to be given, or contribute a pint of blood to the IWV Blood Bank's Advanced Fund for whoever may need it.

Those who donate blood in a particular patient's name must, however, follow up and contact Mrs. Thoms by calling 375-4323, since she is the only person in this part of Kern County who can arrange for the release of blood from the Houchin Blood Bank.

On Tuesday, prospective blood donors will be checked by a nurse at the blood bank, and are asked not to eat any dairy products or fatty foods within three hours prior to the time they expect to donate blood. Even a cup of coffee during this time is a "no-no," Mrs. Thoms said.

Persons whose pulse rate is over 100 will be rejected as blood donors and anyone who has ever had hepatitis, cancer, tuberculosis, heart disease, or syphilis is banned from giving blood.

In addition, prospective blood donors who are taking any kind of medications should let the nurse know what they are taking, and the dosage. Clerical help during the mobile blood bank visit will be furnished by the Ridgcrest Emblem Club.

Burro roundup on Randsburg Wash Road nets 58 more

The old and the new in roundup techniques were combined last Friday by a team of nine wranglers from the Bureau of Land Management's Susanville office who roped burros on the ground while a helicopter herded the pesky critters towards the wranglers from the air.

A total of 58 "problem burros" was removed from public lands along the Randsburg Wash access road, to the relief of Navy personnel who have to drive that road during nighttime hours. One accident has already occurred on that road when the combination of a dark burro on a dark road on a dark night resulted in a collision with a Navy vehicle.

The BLM wranglers are heading next into the Panamint Mountains to continue their roundup. By 1985, the BLM hopes to have reduced the feral burro population in California from an estimated 10,000 to about 2,500 animals. The burros collected will be placed for adoption.

Centerites can buy firewood cheap for personal use only

Reservations are now being taken for the purchase of firewood that is being offered for sale by the Recreational Service Department, and will be available on Monday from 2 to 5:30 p.m. at Schoeffel Field.

Reservations are necessary because only a limited quantity of wood is available. Prospective purchasers can make their interest known by calling AOC J. L. Vick at NWC ext. 3387 on weekdays between the hours of 1 and 2:30 p.m.

The price is \$40 a cord for cut and split elm and cottonwood tree limbs. A standard pickup truck without sideboards will hold approximately a half-cord of firewood. Partial cords also will be offered for sale.

This firewood is for the personal use of active duty and retired military personnel, Department of Defense employees, and other authorized personnel, and cannot be resold.