



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

FRIDAY Regular starting time—7:30 p.m. **June 30**

"Mister Scarface" (92 min.) Jack Palance shoots and kills his robbery accomplice. The victim's son witnesses the act and is beaten by Palance and left for dead. Years later, the boy returns as protection racket collector Harry Baer for mobster Edmund Purdom to even the score. (Action drama, rated R)

SATURDAY **July 1**

1:30 Matinee
"Wacky Taxi" (81 min.) Ex-factory worker John Austin tries to undercut the licensed competition by offering reduced taxi rates to sailors and, in the process, encounters numerous zany adventures on the streets of San Diego. (Comedy, rated G)

"The Flower in His Mouth" (114 min.) School teacher Jennifer O'Neill encounters problems teaching in a small Sicilian town and with her rich, powerful landlord, James Mason. Further complications arise when a stranger who had vulgarly accosted her is later found shot in the head and with a flower in his mouth. (Drama, rated R)

SUNDAY **July 2**

"Mean Dog Blues" (109 min.) Violence and profanity characterize this prison farm drama in which Gregg Henry takes the rap for a crime committed by Southern politician William Windom. Henry is sentenced to a prison farm run by sadistic George Kennedy, where a series of events involving a homosexual inmate, a pack of vicious guard dogs, an attempted rape and an affair with Kennedy's daughter lead Henry to try to escape. (Action drama, rated R)

WEDNESDAY **July 5**

1:30 Matinee

"Star Trek" Two episodes from the popular TV series entitled "The Immunity Syndrome" and "Elsan of Troyious." (Adventure drama, rated G)

WEDNESDAY & THURSDAY **July 5 & 6**

"First Love" (92 min.) Demonstrating the adage that one who has two lovers frequently ends up losing both, coed Susan Day is pursued by a love-sick fellow student, William Katt, while she pursues an older man, Robert Loggia. Ambivalent Day doesn't know that Loggia has a wife in the wings. (Love drama, rated R)

FRIDAY **July 7**

"Cousin Cousine" (95 min.) This film won France's Best Picture Award and a French "Oscar" as Best Supporting Actress for Marie-France Pisier, a madcap, neurotic who is married to easy-going Victor Lanoux. Lanoux becomes the lover of his cousin's wife, Marie-Christine Barraut, the niece of his uncle's 50-year-old "bride," Ginette Garcin, while his cousin, Guy Marchand, is having an affair with his (Lanoux's) wife (Pisier). Family gatherings end in disorder, beginning with the wedding of Garcin to elderly Pierre Plessis, who bares his bottom to the guests. Marchand tries to give up the role of a compulsive Casanova; Lanoux and Barraut are involved in body painting (each other's); and Pisier slips in and out of a sanitarium. (French comedy, rated—what else? — R)

SATURDAY **July 8**

1:30 Matinee

There will be no Saturday matinees until further notice.

"The Mothers" (89 min.) Stranded and broke in South America, beautiful Joanne Bell and Rosanne Katon form a band of pirates and fight hard to protect their territory from a rival gang. Bell's sister disappears. In a series of brawling adventures, the women trace the missing girl to a prison-like plantation run by the vicious and sadistic J. Antonio Carrion. (Action drama, rated R)

SUNDAY **July 9**

There will be no Sunday movies until further notice.

Program subject to change without notice. For further information call NWC ext. 3097.

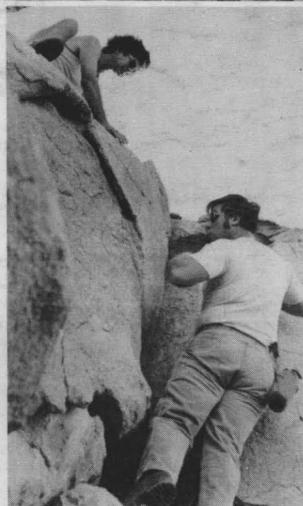
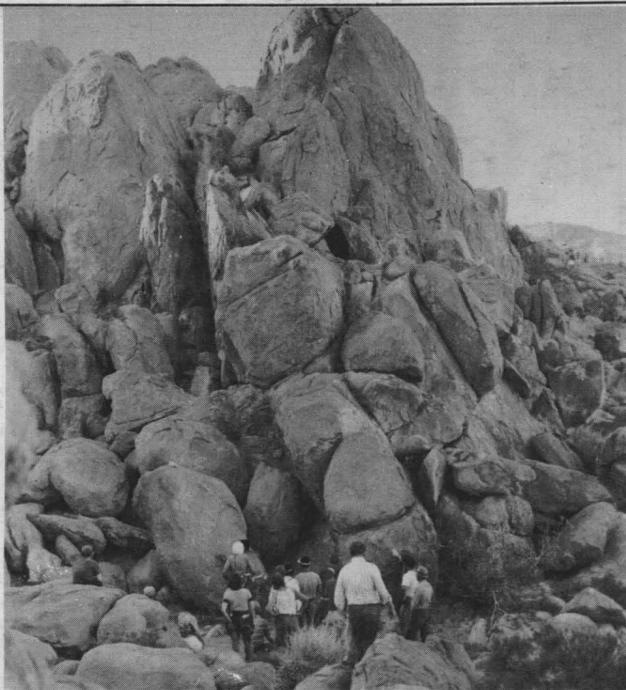
Finney will present 'Cavalcade of Magic'

Len Finney and his "Cavalcade of Magic" show will be presented on Saturday, July 8, starting at 10 a.m. at the Community Center.

Finney, who is a quality inspection specialist in the NWC Engineering Department, will be joined by his wife, Nancy, and Shellie, their 10-year-old daughter, in presenting this magic show.

Members of the audience will be invited to participate in several of the acts during the show.

Tickets, which are now on sale at the Youth Center and Community Center, are priced at 50 cents for Youth Center members, 75 cents for other young people and \$1 for adults.



POPULAR CLASS — Nearly 60 students are enrolled in a Cerro Coso Community College course in basic mountaineering that is being offered during the summer session. The instructors are Dr. Carl Heller and Janet Westbrook, both members of the China Lake Mountain Rescue Group (CLMRG). Following the initial classroom session, the students were taken to "B" Mountain to test their proficiency in climbing boulders and were placed in one of three groups depending upon previously acquired skills or natural ability that was displayed. The two instructors were assisted in this early phase of the course by several CLMRG members, including Tom Stogsdill (lower left photo), who is observing the progress of student, Tom Zulkoski. Other classes involving climbing with the use of ropes in an area of Indian Wells Canyon will precede one day-long and one overnight field trip to high elevations of the Sierra Nevada Mountains.

Fireworks display will cap celebration of July Fourth at Desert Empire Fairgrounds

Local area residents are invited to join their neighbors for an old-fashioned community Fourth of July celebration on Tuesday afternoon and evening at the Desert Empire Fairgrounds in Ridgecrest.

No admission will be charged and everyone is welcome. Activities are scheduled to get under way at 2:30 p.m. and end some time after dark when the Independence Day event will be climaxed by a fireworks display.

Included among the activities that have been planned are a tug-of-war, greased pole climb, pie-eating and watermelon-eating contests for youngsters. In addition there will be an on-going horseshoe tournament for persons of all ages.

A shaded outdoor picnic area is available at the fairgrounds for those who wish to bring their own picnic dinner, and there will be charcoal-filled braziers heated and ready for use by those who wish to broil steaks or prepare their own hot dogs or hamburgers.

For those who prefer to let someone else do the cooking, there will be hamburgers and hot dogs on sale at the Knights of Columbus booth, and the Ridgecrest Chamber of Commerce will be selling cold beer and soft drinks.

Air-conditioned Joshua Hall, the Desert Empire Fair's main exhibit building, also will be open, chairs and tables will be set up,

and Tony Martin, manager of the DEF, Inc., has been busy this past week trying to arrange for music and other forms of entertainment inside the hall for those seeking refuge from the late afternoon heat of summer.

A special ceremony is planned at 5 p.m. to mark the dedication of the Roy Martin memorial flag pole at the fairgrounds. Al Klassen, president of the board of directors of the 53rd Agricultural District (more popularly known as the Desert Empire Fair), will officiate at the ceremony.

Mrs. Janice Martin, the widow of Roy Martin, who was a member of the DEF board of directors for nearly nine years prior to his death in November 1975, will be here to accept a flag that has flown over the nation's capitol and will be raised during the flagpole dedication ceremony that has been planned in memory of her husband.

The Desert Empire Fair has ordered fireworks for the July 4th pyrotechnics display, and is still seeking contributions toward the goal of raising \$1,500 that was set to help meet this expense. Those wishing to add their financial support to this effort can still do so by sending a check marked "Fireworks" to the DEF, PO Box 1176, Ridgecrest, CA 93555.

Groups interested in assisting with the Independence Day fête by sponsoring games or other special events are asked to contact Tony Martin at the fairgrounds by calling 375-8000.



Commissioned Officers' Mess
The Commissioned Officers' Mess will be open for both lunch and dinner on Monday, July 3.

Lunch will be served from 11:30 a.m. to 1 p.m., and dinner will be available from 6 to 9 p.m.

The COM's next "Membership Night" party, which originally was planned on July 21, has been postponed to July 28. Plans call for a country barbecue buffet which (weather permitting) will be served on the lanai.

There will be a special floor show, in addition to dancing and listening to the music of the Sounds of Country.

Reservations to attend the July "Membership Night" fête can be made by calling 446-2549.

Chief Petty Officers' Club

"The Diamonds" will present their Golden Oldies performance at the Chief Petty Officers Club tonight from 9 until 1 a.m. The popular rock music group will stage three shows and play for dancing in between the shows.

George Barnard, manager of the CPO Club, reports that it is still not too late to buy tickets for this event. Tickets still remaining will be sold this evening at the door.

During each show the group will feature music of the '50s and '60s. Tickets are \$25 per couple and this price includes a charcoal broiled steak dinner.

Enlisted Mess

The Hanley Page band from Los Angeles will play tonight at the Enlisted Mess, and the club's dining room will feature the regular "surf and turf" special.

Tomorrow night, the Enlisted Mess has scheduled the "Blue Jean Disco" music of Bill Coy, who will present continuous sound from 9 a.m. to 1:30 a.m.

This is the first performance at China Lake for Coy, who is a local Navyman assigned to the Center's Communications Division. He has more than 1,000 recorded selections which he plays on a complete disco setup that includes lights which flash in time with the music.

Sunday movies, Sat. matinees at Center theater discontinued

Due to the exodus of Center personnel during the summer, especially on weekends, the Naval Weapons Center Theater is discontinuing Saturday matinees and regular movies on Sunday evening until further notice.

Matinees will be scheduled on Wednesday afternoons, however, throughout the summer. Two episodes of the "Star Trek" television series will be shown during each Wednesday matinee.

The first Wednesday matinee was shown this week, and the first weekend without a Saturday matinee or regular Sunday evening movie will be Saturday and Sunday, July 8 and 9.

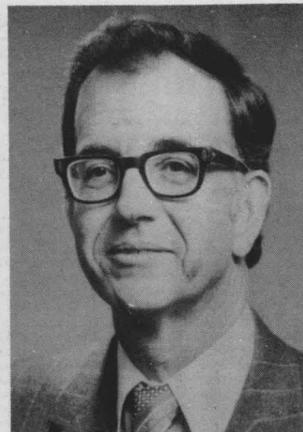
Beginning with the next issue, the Rocketeer will discontinue listing Saturday matinees and Sunday performances in its "Movies" column until the theater schedule returns to normal on or about Sept. 1.

U.S. Government Printing Office: 1978-No. 122

From: _____

To: _____

PLACE STAMP HERE



Dr. G. W. Leonard

Dr. Leonard to leave for post in Washington

As part of a continuing program of career development for senior management personnel at the Naval Weapons Center, Dr. G. W. Leonard, head of the Engineering Department, will be leaving China Lake on July 5 for a two-year assignment with the Office of Management and Budget's (OMB) Office of Federal Procurement Policy in Washington, D.C.

One of his principal responsibilities will be the preparation of a revised policy for the Federal government's utilization of Federal laboratories.

A new circular dealing with the policy for the acquisition of services by the Federal government has been prepared by OMB. It has focused attention on the need for a look by OMB at the utilization of all Federal laboratories — not just those in the Department of Defense but also others in Department of Interior, Department of Energy and Department of Transportation, for example. It is this area of work that Dr. Leonard will be engaged in for the next two years.

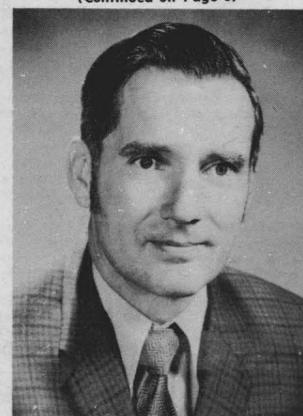
At China Lake Since 1957

Dr. Leonard, who came to China Lake in 1957 as a branch head in the Research Department, has been associated for most of the past 21 years with the Propulsion Development Department (forerunner to the present Ordnance Systems Department).

He served as head of the Propulsion Development from April 1964 until February 1977, when he took over the duties of head of the Engineering Department from B. W. Hays, while the latter (who is now the NWC Deputy Technical Director) replaced him as head of the Propulsion Development Department.

Upon Dr. Leonard's departure from China Lake, his duties as head of the Engineering Department will be assumed by D. Jack Russell, another long-time NWC employee and former Head of the Electronic Warfare Department.

For the past year, Russell has been the



D. Jack Russell



nwc rocketeer

Naval Weapons Center
China Lake
California

June 30, 1978

Vol. XXXIII, No. 26

Navy Meritorious Civilian Service Award presented to Dr. Finnegan

The Navy Meritorious Civilian Service Award — the highest honorary award in the Navy Civilian Service which may be granted by the head of an activity — was presented Monday afternoon by Rear Admiral William L. Harris, NWC Commander, to Dr. William G. Finnegan.

Dr. Finnegan, a senior scientist and former head of the Atmospheric Research Branch in the NWC Research Department's Earth and Planetary Sciences Division, was honored for the many valuable contributions he has made to NWC and its forerunner (the U.S. Naval Ordnance Test Station) during 28 years at China Lake.

The citation from RADM. Harris which accompanied the award to Dr. Finnegan noted, in part: "Your scientific research has provided innovative solutions to a wide range of problems faced by not only the Navy, but the world at large."

The Center Commander extended his personal congratulations to the award recipient for his "many contributions to NWC which have brought honors to you and considerable credit to the Navy."

Dr. Finnegan will be leaving China Lake tomorrow in order to join the faculty of Colorado State University at Fort Collins, where he will be involved in research on weather modification and air pollution, in addition to doing some teaching.

During the nearly three decades of his work at NOTS and NWC, Dr. Finnegan has published some 65 papers (either as sole or as co-author with his colleagues), has applied for 21 patents (most of which have been granted), has delivered numerous talks to professional groups, and has been

Three research chemists are latest recipients of Tech Director Award

Three research chemists employed in the Organic Chemistry Branch of the Research Department have succeeded in preparing for the first time an elusive explosive. This week, in recognition of their achievement, they became the latest recipients of the Naval Weapons Center's Technical Director Award.

The award presentation by R. M. Hillyer, Technical Director, took place during the weekly Commander's meeting held Monday morning in the Management Center of Michelson Laboratory.

Those singled out for this special distinction were Dr. William P. Norris, acting head of the Organic Chemistry Branch, and Drs. Ronald L. Atkins and Arnold T. Nielsen. The three men were cited for their successful cooperative effort that resulted in the synthesis of hexanitrobenzene (HNB), a unique explosive.

In addition to a letter of commendation for outstanding technical accomplishment that was presented to each of the honorees, they also received an engraved paper-weight and a \$200 stipend which accompanies this special form of a Superior Achievement Award.

Attempts to synthesize this compound have been made intermittently in this country over the past 30 years. "This makes your accomplishment more significant," it was noted in the letter from Hillyer to the three co-recipients of the Technical Director Award.

In 1967, scientists in the Soviet Union reported data, in the open literature, on the physical properties of HNB, but did not



CONGRATULATIONS IN ORDER — On the eve of his departure from China Lake, Dr. William G. Finnegan was the recipient of the Navy Meritorious Civilian Service Award, which was presented to him last Monday afternoon by Rear Admiral William L. Harris, NWC Commander. Among those present for the award ceremony was Dr. Finnegan's wife, Martha. — Photo by Ron Allen

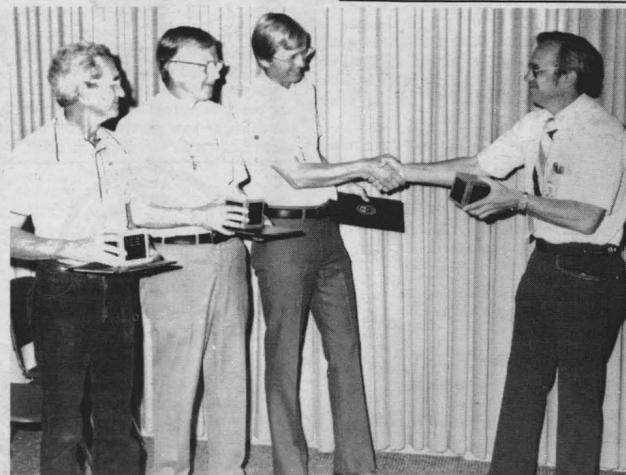
invited to appear at international meetings and to serve on international committees. In addition, he has been a director of the Weather Modification Association and is a member of seven other scientific fraternities and societies, including Sigma Xi, an honorary scientific society. His biography appears in American Men and Women of Science.

Dr. Finnegan's work has found utility in (among other things) improved propellants for guns, propellants and gas generators — in particular those used in the RAPEC ejection seat and the airbag systems for automobiles. He also has developed an explosive which produced totally soluble gaseous products that condense and then dissolve in water so that a single burst without the production of an oscillating gas bubble can be produced in underwater explosions. This explosive material has the potential for utilization as a unique underwater signaling device.

More recently, Dr. Finnegan has adapted his energies and skills to the subject of weather modification and with Dr. Lohr Burkardt (formerly a senior research scientist in the Chemistry Division of the Research Department) was responsible for the invention of the process by which

(Continued on Page 3)

(Continued on Page 4)



OUTSTANDING EFFORT RECOGNIZED — The Naval Weapons Center's Technical Director Award was presented Monday by R. M. Hillyer (at right) to three research chemists employed in the Research Department's Organic Chemistry Branch. The recipients were (l.-r.) Dr. William P. Norris, Dr. Arnold T. Nielsen and Dr. Ronald L. Atkins. — Photo by Ron Allen

Employee service awards

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

| | | | |
|---|---|--|---|
|  Lee E. Lakin 35 yrs. Fed'l Service Code 313 |  Harvey W. Farrington 30 yrs. Fed'l Service Code 6222 |  John E. Loper 30 yrs. Fed'l Service Code 3142 |  Edward L. Hutton 30 yrs. Fed'l Service Code 3911 |
|  Donald H. Wheeler 30 yrs. Fed'l Service Code 31407 |  Lyman F. VanBuskirk 25 yrs. Fed'l Service Code 3921 |  Elwin L. Lynch 25 yrs. Fed'l Service Code 3353 |  Robert W. Clouser 25 yrs. Fed'l Service Code 3333 |
|  Patricia F. O'Dell 25 yrs. Fed'l Service Code 2341 |  William P. Creswell 25 yrs. Fed'l Service Code 3312 |  Kenneth H. Bischel 25 yrs. Fed'l Service Code 3858 |  Francis L. Thomson 20 yrs. Fed'l Service Code 3192 |
|  Harvey G. Nelson 20 yrs. Fed'l Service Code 3142 |  Albert C. Koch 20 yrs. Fed'l Service Code 3157 |  George F. Stillwell 20 yrs. Fed'l Service Code 3171 |  Curtis V. Bryan 20 yrs. Fed'l Service Code 392 |

CHAMPUS to use 1977 figures for deciding customary charge levels

Beginning in July, the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS) will start using 1977 figures to determine customary and prevailing charge levels, the Defense Department has announced. Six months were required to collect data and calculate the new levels.

Implementation dates for the new rates may vary slightly among CHAMPUS contractors because of differences in dates that the basic information can be made available.

In most cases, updating the information base will allow CHAMPUS to pay more for a particular service or supply, according to a Department of Defense spokesman.

Customary and prevailing charge levels are two of the three factors used to determine the amount CHAMPUS will allow for a particular service or supply. An amount known as the CHAMPUS-determined reasonable charge or, more simply, the reasonable charge is the third factor and is the actual billed charge.

Customary and prevailing charge levels are based on actual bills recorded during the calendar year previous to the date on which new levels are placed in effect.

Promotional Opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 992, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Heavy Mobile Equipment Mechanic, WG-5803-11, JD No. 434, Code 24771 — This position is in the Maintenance and Repair Branch, Transportation Division, Public Works Department. The incumbent maintains, repairs, overhauls, modifies, and tests various kinds of heavy-duty diesel and gasoline powered equipment such as locomotives, cranes, 12-cylinder engines, tanks, power plants, fire water-pump engines, construction and earth-moving equipment. Provides on-the-job instruction and training to heavy mobile equipment helpers and to intermediate mechanics. Disassembles, repairs, modifies, tests, and assembles machinery and equipment components such as hoists, travel, swing and boom assemblies, transmissions, spider gears, air brakes, air lines, pumps, compressors, etc. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision. Knowledge of equipment assembly, installation, repairs, etc. Technical practices and trouble shooting. Ability to use hand tools, engine equipment, power tools, auxiliary machines, accessories, and equipment. Ability to use measuring tools, mechanical gages, instruments, transmissions, and test equipment. Ability to read and interpret blueprints, instructions, specifications, etc.

Plumber Helper, WG-4204-5, JD No. 92-1, Code 24415 — This position is in the Internal Branch, Maintenance Utilities Division, Public Works Department. Position requires participation in prejourneyman training program. Promotion potential to WG-9. The incumbent aids a journeyman in layouts, cutting, bending, assembling, and installing pipe, fixtures, and fittings to construct or to maintain piping systems. Keeps the journeyman supplied with tools and work materials; performs the simpler elements of the trade alone; performs rough or preliminary work; occasionally performs more complex elements under specific instructions by a journeyman plumber. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow instructions in shop, dexterity and safety, ability to work as a member of a team.

Engineering Equipment Operator, WG-5714-11, JD No. 558, Code 24771 — This position is in the Operations Branch, Earth Moving Section of the Transportation Division. The incumbent is required to operate such equipment as bulldozers, graders, backhoes, gradealls, caterpillar tractors with scrapers, rollers, skip loaders, etc. to scrape, scoop, roll, and to level areas on the Center. The incumbent works on ranges and test areas to relieve, build roads, haul and position equipment, build airstrips, and create remote tracking and experimental sites. May operate a transit and do basic surveying or will work to precise tolerances from grade stakes set by engineers. Is responsible for satisfying fine grade requirements in a minimum working time. Requirements are exact to ensure properly banked curves, slopes, shoulders, and drainage features. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision, ability to perform operational maintenance, reliability and dependability, ability to interpret instructions, specifications, etc.; ability to operate equipment safely.

Administrative Officer, GS-341-12, PD No. 782646, Code 2463 — (Reassignment opportunity). This position will be filled from current GS-12s and above. This position is that of coordinator for the Coso Program in the Public Works Department. The incumbent is responsible to the Public Works Officer for all coordination reviews and recommendations involved in the development of the Coso Geothermal Area and the associated issues of encroachment. The incumbent provides coordination, consultation and services to the PWO and the functional elements of the program. Acts as central coordinator for obtaining necessary data and information required for task assignment and serves as the principal agent for the Commander, NAVWPNCEN, and the PWO in developing schedules, analyzing costs, and monitoring the technical and administrative progress of all participating functional elements in the Coso program. Job Relevant Criteria: Ability to develop program schedules, analyze costs, and identify problem areas; demonstrated ability to coordinate and integrate complex administrative, policy and program planning processes. Demonstrated ability to deal directly with people at all levels, both within military and other government agencies as well as from various private and public interests groups.

Environmental Protection Specialist, GS-528-9, PD No. 782649, Code 24385 — (This is a temporary position not to exceed one year) This position is located in the Environmental Protection Office, Engineering Division, Public Works Department. The incumbent is responsible for assisting with the implementation of the NWC environmental quality program. The incumbent's primary responsibility will be directing the preparation of an environmental overview report for the Coso Geothermal Area. Job Relevant Criteria: Working knowledge of the physical principles of the earth sciences; demonstrated ability to compile environmental information.

Motor Vehicle Operator, WG-5703-4, JD No. 610, Code 24782 — This position is in the Operations Branch, Transportation Division of the Public Works Department. The incumbent drives sedans, pickups, and carryalls to transport individuals and/or small items. Occasionally operates gasoline or diesel-powered vehicles with gross weight up to 22,000 pounds, including dump, cargo, or stake-truck or van; may operate passenger bus with a capacity of no more than 20 passengers. Responsible for making minor repairs and for cleaning vehicles. Job Relevant Criteria: Ability to drive safely, operation of motor vehicles, maintenance of motor vehicles, work practices, reliability and dependability as a motor vehicle operator, ability to operate motor vehicles without more than normal supervision.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2032.

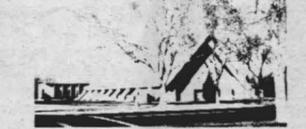
Motor Vehicle Operator, WG-5703-5/6, JD No. 610, Code 24782 — Temporary NTE 1 year (3 vacancies). These positions are in the Operations Branch, Transportation Division of the Public Works Department. The purpose of this advertisement is to establish a register to fill temporary (not to exceed one year) motor vehicle operator

vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will accept applications from reinstatement eligibles, individuals currently on Civil Service Register, and individuals not on registers who have skills necessary to qualify in this position. The incumbent drives sedans, pickups, and carryalls to transport individuals and/or small items. Occasionally operates gasoline or diesel-powered vehicles with gross weight up to 22,000 pounds, including dump, cargo or stake truck or van; may operate passenger bus with a capacity of no more than 20 passengers. Responsible for making minor repairs and for cleaning vehicles. Job Relevant Criteria: Ability to drive safely, operation of motor vehicles, maintenance of motor vehicles, work practices, reliability and dependability as a motor vehicle operator, ability to operate motor vehicles without more than normal supervision.

File applications for the above with Evelyn Hughes, Bldg. 34, Rm. 100, Ph. 2049.

Quality Inspection Specialist (Electronics), GS-1940-10, PD No. 7836119N, Code 3643 — Position is located in the Engineering Department, Engineering Prototype Division, Quality Control Branch. Incumbent must verify process control of printed wiring and printed circuit boards by evaluation of process control documents for adequacy to specification requirements, and by monitoring implementation to the process document. Performs inspection of completed printed wiring and printed circuit boards to determine conformance to the applicable specifications such as AS4042 and WS6536. Incumbent prepares and accomplishes complete electronic systems tests. Includes the set-up and operation of calibrated, specialized, and complex electronic test equipment. Formal inspection reports, memos and trip reports are required as a result of the incumbent's duties. Job Relevant Criteria: Working knowledge of quality control techniques and associated test and evaluation equipment. Must be a certified Category "B" government inspector under the provisions of Process Specification, Procedures and Requirements for Preparation and Soldering of Electrical Connections, WS6536, or have the potential to achieve such certification within a six-month period. Must have a working knowledge of the theory of operation of transistor circuits (diode, triode, pentode, amplifier, multi-vibrators, block oscillators, etc.). Knowledge of the theory of operation of all passive electronic components such as resistors, capacitors, and inductors, and must be able to use this theory in conjunction with basic math (high school or better) to perform and/or check design calculations. Detailed knowledge of the theory and performance limitations of all types of electronic test instruments. Promotion potential: GS-11.

Electronics Technician (Training), GS-454-12, PD No. 7836120E, Code 3431 — Position is located in the Engineering Department, Product Design Division, Guidance Branch. Position will require the incumbent to be experienced in the operation of the computer controlled Automatic Test Equipment (ATE) for both programming and testing. Development of computer programs for the automatic testing of weapon systems electronic modules also will be required. Must be experienced in design and implementation of Fleet training courses on testing electronic modules using ATE. Additionally, the incumbent will be responsible for the development of test programs. (Continued on Page 5)



DIVINE SERVICES

| | | |
|--|--------------------------------|--------|
| PROTESTANT | | |
| Sunday Worship Service | 1015 | |
| Sunday School — All Ages | 0900 | |
| Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. | | |
| Communion Service first Sunday of the Month. | | |
| ECUMENICAL | | |
| Wednesday Noon Bible Study | 1130 | |
| Thursday Men's Prayer Breakfast | 0630 | |
| ROMAN CATHOLIC | | |
| MASS | | |
| Saturday 1700 fulfills Sunday obligation | | |
| Sunday | 0830 1130 | |
| Nursery, Chapel Annex 1 | 0815 1245 | |
| Daily except Saturday, 1135, Blessed Sacrament | | Chapel |
| CONFESSIONS | | |
| Daily | 1115 to 1130 | |
| Saturday | 1615 to 1645 | |
| Sunday | 0800 to 0825 | |
| RELIGIOUS EDUCATION CLASSES | | |
| Sunday | First thru 6th grades | 1015 |
| Sunday | Pre school & kindergarten | 1115 |
| Sunday | seventh & eighth (Junior High) | 1900 |
| Above classes are held in the Chapel Annexes across from the former Center Restaurant. | | |
| Sunday evening | Ninth thru 12th grades | |
| As announced | "In Home" Discussion Groups | |
| | Youth Rallies | |
| Contact Chaplain's Office for specifics. | | |
| JEWISH SERVICES | | |
| EAST WING—ALL FAITH CHAPEL | | |
| Sabbath Services every Friday | 1930 | |
| UNITARIANS | | |
| CHAPEL ANNEX 95 | | |
| Sunday | Services—(Sept.-May) | 1930 |

July 7 track meet to be year's final Admiral's Cup event

A track meet which will be the final Admiral's Cup event of the 1977-78 year has been scheduled next Friday, July 7, starting at 11:45 a.m. at Kelly Field on the Murray Junior High School campus.

Entrants representing NWC North, NWC South and VX-5 will vie in the following events for men: 100 yd. dash, 880 yd. 4-man relay race, shot put, and a 10-man tug-of-war through the sand.

Navy women are being sought to compete in a 100 yd. dash and softball throw for distance.

AZZ Sam Goode (ph. NWC ext. 5340), Lt. Bill Wright (ph. NWC ext. 5276), and AK2 Rick Booth (ph. NWC ext. 5390) are in charge of lining up track meet entrants for the NWC North, NWC South and VX-5 teams, respectively.

Following the track meet, there will be an all hands picnic open to all Navy personnel and their dependents. The picnic, which will get under way at about 3 p.m., will be held at the Chief Petty Officers' Club, where free hamburgers, hot dogs, soft drinks and beer will be available.

During the picnic, the Admiral's Cup team trophy will be presented to representatives of VX-5, which has clinched the award by piling up a total of 41 points prior to next week's track meet. In second place at the present time is NWC South with 31, and NWC North is trailing with 21 points.

An individual trophy also will be presented to the outstanding individual military athlete of the past year.

Hunting season for rabbits opens July 1

Brush, cottontail and pigmy rabbits and varying hare become fair game on Saturday (July 1) throughout California except in Los Angeles County, southeastern Kern County and those portions of Riverside and San Bernardino counties west of Highway 395.

The season in Los Angeles County and in parts of the other three counties will open Sept. 1. Bag and possession limit in both seasons is five per day. The seasons will close Jan. 28, 1979.

Jackrabbit season in the described southern California area also will be delayed until Sept. 1, the Department of Fish and Game said. This season, too, will run through Jan. 28, 1979.

Elsewhere in the state, jacks may be hunted year around. There is no bag limit for jackrabbits, but a valid hunting license is required.

Little League...

(Continued from Page 6)

Lake Little League, each won two games last week.

The Cubs ended the Padres 11-10, and pounded the Red Sox, 20-5, while the Mets hammered out a 10-1 win over the Red Sox and defeated the Reds 11-8.

Scores of other Farm Division games were: Reds 16, Expos 14; Padres 14, Angels 13; and Angels 18, Expos 11.

Bryan Whisman hit three home runs during the Angels win over the Expos and, in the Mets 11-3 win over the Reds, Chip Johnson had a home run, a triple and a single in three times at bat.

Tags good for purchases at snack bars on sale

The Navy Exchange is now offering tags for sale which may be exchanged for a hot dog, potato chips and a soft drink at the Commissioned Officers' Mess and Minvielle Park swimming pool snack bars.

Parents can avoid the possibility of children losing their snack money by conveniently pinning the tags to bathing suits, Ltjg. Robert Boyd, Navy Exchange Officer, explained.

The tags are being sold at all NEX retail outlets and snack bars for 65 cents each.

employee in the spotlight

"One night I heard a lot of engines rumbling. . . I saw all of these Army trucks. . . Soldiers were loading the trucks with young Japanese men. . ."



Loretta King

Life has prepared this week's employee in the spotlight for her work as the Naval Weapons Center's assistant to the public information officer. An important part of Loretta King's job is handling complaints lodged against the Center for various reasons.

She also has to deal almost daily with newspapers and radio stations. This involves not just answering their questions, but dealing tactfully with them when the information is difficult or impossible to obtain.

Since she stands between those beyond the Center's fence and those enclosed by it, she must display equal tact when dealing with NWC personnel at all levels of responsibility.

"In my job I have to show a lot of tolerance and see both sides," she said. "In fact, my jobs have always been 'people-oriented' — ones in which I must deal with people."

Loretta's inclination towards tolerance and the ability to see both sides of a position can be traced back to her early childhood and to her later youthful experiences when she lived on Indian reservations and in World War II Japanese relocations camps.

Her father worked for the Indian Service, and when she was only four years old, she had to cope with the cultural shock of being the only white child in an Indian school on the Sauk and Fox Indian Reservation near Tama, Iowa.

Introduced to a new culture

"I was very impressionable, and I remember a lot about that first introduction to a new culture," she said.

"Now that I look back, I think that the thing that impresses me most is the way the Indians maintained their culture. They tried to live as they had always lived despite the fact that the government really controlled their lives."

"The doctors were always after them, and the Indians were not always receptive to their good advice on health."

Loretta attended school with children of the Sauk and Fox tribes until the 3rd grade. Her father was transferred to the Hualapai Reservation north of Kingman, Ariz. This time, she not only attended school on the reservation but lived there as well.

"It was a little one-room school house," she explained, "with eight grades."

A couple of years later, World War II began and the government began looking for persons to administer the Japanese relocation camps.

"Dad didn't want the job because he didn't believe in it. But he was told he had to go or lose his job. He was assigned to a camp near Poston, Ariz.," Loretta explained.

Most impressive period of her life

"This period proved to be the most impressive of my life," she said. "I couldn't understand what was going on or why."

"My mother's parents were German, and we were at war with Germany; but, we weren't put into relocation camps as the Japanese were. I couldn't understand that."

They lived right on the camp with the Japanese, and her sister and she were the only caucasians in a class of about 30 Japanese children.

"In the 5th grade, I sat next to a deaf girl, and I learned sign language so I could help her," she said.

Loretta said that the Japanese lived in "cracker-box" barracks buildings covered with tar paper that were partitioned off according to family size.

They had no air conditioners and had to hang wet blankets in the windows to keep cool during the hot desert summers. But, despite the hardships and the apparent injustice of their being placed in the camps, their "morale and attitude were phenomenal," Loretta said, describing how the Japanese coped with the situation.

She said that they made parks in the camp and produced arts

and crafts from mesquite wood and whatever else they could find.

"One night I heard a lot of engines rumbling, and when I looked out the window, I saw all these old Army trucks with their backs covered with canvas."

"Soldiers were loading the trucks with young Japanese men from the camp. My father explained that the young men had volunteered for service in the war and were being taken away for training."

"It was another thing that just didn't make sense," Loretta said.

Before the war ended, her father took a job with the Bureau of Reclamation, and Loretta's family moved to the Pacific Northwest, where she later met and married her husband, Paul.

Paul was also employed by the Bureau of Reclamation and, as her father did, he worked on dam construction projects.

One dam was located at Hungry Horse, Mont., near Glacier National Park where "We had snow in July, and in the winter, it was up to the eaves of the house," Loretta said. "The temperature got down to 40 degrees below zero."

In 1955, Paul went back to college and Loretta went back to work. He graduated five years later. "We had four children, and it was a struggle," she said.

Following graduation, Paul accepted a job at China Lake. He was used to the cool Pacific Northwest, and it was his first experience with the desert.

"We thought we'd only be here for a couple of years," Loretta said.

But, that was 18 years ago, and the Kings have raised four children here, and they recently completed their "dream home" on 16 acres of land just south of Ridgecrest.

She designed her dream home

Loretta served as her own contractor during its construction, and the home has lots of extras that she and Paul got from ideas clipped over the years from magazines such as "House Beautiful."

One of these is a bathroom with a 4-by-5-ft. shower stall, rock walls, a pebble floor and a window that covers one wall.

Paul was looking at a magazine one day when he saw a picture of a similar bathroom. He said "Hey, I want one of these," according to Loretta. So, they clipped the picture, saved it and incorporated the idea into their home.

Contracting out the work on their home so fascinated Loretta that she is now studying for a real estate license and is considering the possibility of getting a contractor's license.

"I designed the house around things we already owned," Loretta explained. "We owned a pool table so I designed a room around the pool table."

Besides the house, they also built a stable and exercise area to accommodate the three horses they own. The horses aren't any special breed. "We just have them for the pleasure of riding," Loretta said. "My daughter and I ride — Paul doesn't; but, he helps a lot or we wouldn't have the arena and stables."

"We built the house for ourselves," she explained. "It's probably one of the biggest two bedroom homes in the valley." (The house has nearly 2,100 sq. ft. of floor space.)

The extra bedroom is for guests and for visits from their children. Their youngest, Shelley, who attends school and works on a horse ranch near Sacramento, is home for the summer. Sons Ronald and David live in Las Vegas and so does their other daughter, Sheryl.

And, the most welcome guest of all to the King's dream house is their 2½-year-old granddaughter, Naomi.

Recreation facilities open Tues.

The following hours of operation will be observed by business and recreational facilities at the Naval Weapons Center during the 4th of July holiday on Tuesday:

| | |
|-----------------------------|------------------------|
| FACILITY | |
| HOURS | |
| Bowling Alley and Snack Bar | 11 a.m. to 11 p.m. |
| Navy Exchange Annex | 11 a.m. to 7 p.m. |
| Golf Course | 6:30 a.m. to 8:30 p.m. |
| Gymnasium | 11 a.m. to 7 p.m. |
| Youth Center | 9 a.m. to 9 p.m. |
| Indoor Pool | 12 noon to 8 p.m. |
| Minvielle Park | 11 a.m. to 8 p.m. |
| COM Swimming Pool | 11 a.m. to 8 p.m. |
| CPO Swimming Pool | 11 a.m. to 7 p.m. |

Facilities not listed above will be closed all day Tuesday

Aetna Insurance agent to be here on July 12

Loni Kivett, the Aetna Insurance representative, will be at the Community Center on Wednesday, July 12, from 10:30 a.m. to noon. Enrollees in this health insurance plan who wish to talk to Kivett will be seen on an appointment-only basis.

Beginning Monday, a sign-up sheet will be available at the front desk of the Community Center for those who wish to see the Aetna Insurance representative.

Individuals must sign up for themselves — not merely call the Community Center and ask that their names be placed on the appointment sheet.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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DEADLINES

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

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Phones 3354, 3355, 2347



Recreation Round-up

Registration set for children's swim classes at COM pool

Registration and testing for a second session of swimming lessons for youngsters 4 years of age and over will be held on Friday, July 7, and Monday, July 10, at the Commissioned Officers' Mess swimming pool.

There is a fee of \$10 per student for the 30-min. swim classes, which will begin at 9, 9:30 and 10:15 a.m. Tuesday through Friday and continue until eight lessons have been completed.

Additional information can be obtained from Monica Simmons, the instructor, by calling 446-9891.

11th ND Tournament Slated

Preparations are being made to enter a military team representing the Naval Weapons Center in the 11th Naval District's slow pitch softball tournament, which will be held July 10 through 14 at Port Hueneme.

Tryouts for the NWC team were held last week, and the players who were selected for the local team have been practicing in preparation for the upcoming event.

The NWC team has been organized by AZZ Sam Goode, who is assigned to duty at Armatage Field, and by AK2 Rick Booth, of VX-5.

Racquetball Courts Improved

Workmen have spent the past week installing wooden flooring on the No. 2 and 3 racquetball courts at the NWC gym.

The wooden flooring will greatly improve the playing surface on these two racquetball courts. The work is continuing and racquetball courts Nos. 2 and 3 will be reopened for use on Tuesday, July 4, from 11 a.m. to 7 p.m.

Blue Chip Bowling

Registration for Blue Chip bowling, which will begin at 8 p.m. on Friday, July 7, and is limited to 50 bowlers, is now being taken at Hall Memorial Lanes.

There is an entry fee of \$3.50 per bowler and only those 18 years of age and over are eligible to participate.

Bowlers will be vying for Blue Chip stamps which they can win by rolling strikes when certain combinations of colored pins are racked up, by picking up the 6-7 split, or by some other difficult feat of bowling skill.

Golf Course Open Monday

The China Lake golf course, which normally is closed on Mondays, will be open this Monday, July 3, from 6:30 a.m. to 8 p.m.

Youth Center slates summer instructional baseball program

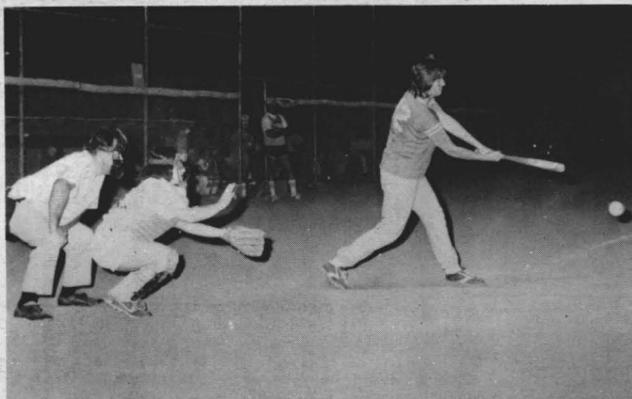
The China Lake Youth Center will offer a summer instructional baseball program for youngsters six and seven years old.

The program is scheduled to begin next Thursday, July 6, and will continue for six weeks. Youngsters will meet on Tuesdays and Thursdays from 5 to 7 p.m.

A Youth Center membership is required to participate in this program, and one may be obtained at the center, which is located on Richmond Road across from the Navy Exchange Service Station. Youth Center hours are 7:30 a.m. to 9 p.m. daily.

All registrations for the instructional baseball program must be completed by 4:45 p.m. July 6, and all participants will be required to meet at the Youth Center at 5 p.m. on that date.

Persons desiring more information may call NWC ext. 3097 or ext. 2909.



CRUCIAL GAME PLAYED — The Time Outs 8-4 win over the Merchants on Monday night moved them into undisputed first place in the Women's Division of the China Lake Intramural Softball League. As this photo was taken, Cindy Fox short stop for the Time Outs, takes a cut at the ball. Behind the plate are Juanita Crieiger, catcher for the Merchants, and John DeRosa, the umpire.

Yankees sweep to title in Major Div. of China Lake Little League

Two more victories last week made it a perfect season for the Yankees, champions of the Major Division in the China Lake Little League.

The Yanks rolled up 16 consecutive wins — their last two by scores of 12-5 over the Tigers and 14-3 over the Wildcats.

Danny Means scored 3 runs and Tracy Gates had 3 hits, including a triple, in the Yankees vs. Tigers game. Leading hitters for the division champs in their win over the Dodgers were Means and Kevin Blecha, who were credited with two hits apiece.

The Giants, who finished the second half of the season in second place with a 5-3 record, also polished off two Major Division foes last week. They were the Wildcats and the Tigers by scores of 29-5 and 8-7, respectively.

In the Giants lopsided win over the Wildcats, Wes Davis tallied 5 times, while Charles Stanley and Steve Hersley scored 4 runs each.

In the only other Major Division game played during the final week of regular season play, the Dodgers outscored the

China Lakers place second in MDISL bowling competition

The Mojave Desert Interservice League's (MDISL) competition among bowling teams representing seven military installations concluded recently, following tournaments which have been held on the first Sunday of each month since last October.

Members of the Naval Weapons Center team (a combined military and civilian group) placed second behind the Norton Air Force Base keglers from San Bernardino in team scoring but, along the way, garnered trophies for posting the high team series (3,001) and high team game (1,059).

In addition, one member of the NWC contingent (Ernie Lanterman) was singled out as the MDISL bowling league's most improved player.

Members of the NWC team, in addition to Lanterman, were George Barker, Thad Brightwell, Jack Brown, Mike Dowd, Allen Smith, Dave Vander Houwen and Ron Williams. The team manager was Dean Ray.

The China Lakers competed against bowlers from Edwards, Norton, March, George and Nellis Air Force Bases, and the Marine Corps Base at 29 Palms.

Two rounds of bowling took place each Sunday, with each team substituting freely if necessary in order to arrive at the best 5-man combination whose scores were counted to determine that month's winner.

The top five bowlers overall for NWC, and their total pin count for the season, were: Barker (7,567), Brightwell (7,383), Lanterman (6,959), Vander Houwen (5,505) and Smith (5,425).

Wildcats 11-5.

The first place White Sox, who have a half-game lead over the Pirates in the Minor Division of the China Lake Little League, picked up a pair of wins last week at the expense of Royals and Cardinals by scores of 12-6 and 10-3, respectively.

Sarah Solberg's bases loaded home run was the big hit of the game for the White Sox in their victory over the Royals. In their game with the Cardinals, the White Sox went hitless, but errors by their opponents, coupled with 17 walks enabled them to pick up an easy victory.

Results of other Minor Division games played last week were: Pirates 17, Astros 9; Indians 16, Royals 6; and Pirates 16, Indians 14. The Cardinals also defeated the Astros, but the final score wasn't available.

During the hard-fought game between the Pirates and Indians, Bobby Black had 5 hits and both he and Pat Vacca scored 3 runs for the Pirates. Heavy hitter for the Indians was Troy Rowland, who connected for 3 triples and a double.

The Cubs and the Mets, who are tied for the lead in the Farm Division of the China

(Continued on Page 7)



RUNNERS-UP IN MDISL BOWLING — Members of a bowling team who garnered a second place for the Naval Weapons Center in monthly Mojave Desert Interservice League bowling competition are shown with the two trophies they received for their efforts. They are (kneeling, l.-r.) Ron Williams, Thad Brightwell and George Barker, and (standing, from left) Dave Vander Houwen, Jack Brown, Ernie Lanterman and Allen Smith. One team member, Mike Dowd, was unable to be present for the photo. —Photo by Ron Allen

Ridgecrest Raiders fatten lead in men's fast pitch division

With just a few more games remaining before the end of the season, the Ridgecrest Raiders finished last week's play with a solid grip on first place in the Fast Pitch Division of the China Lake Intramural Softball League.

The Raiders, who have a 10-4 record for the season, padded their first place lead last week by posting an 8-6 win over the Navy Hawks and outscoring Fisher Plastering by a score of 8-3.

Billy Brown, ace pitcher for the Raiders, garnered his eighth straight win of the season in the Raiders 8-6 win over the Navy.

Results of other games played last week in the Fast Pitch Division were Fisher Plastering 7, Nelson Auto 3, and Nelson Auto 5, Navy Hawks 2.

Crucial Game Played

In a crucial game played this past Monday night, the Time Outs defeated the Merchants, 8-4, to take over first place in the Women's Division of the Intramural Softball League.

Winning pitcher for the Time Outs was Carolyn Hansen, who helped her own cause by hitting a triple with two runners on base. Myrna Martin, right fielder for the division leaders, also connected for a three bagger with one runner on base.

The Time Outs, whose win over the Merchants gave them a 10-0 record for the season, also defeated the Flower Shop, 12-2, in the only game they played last week.

Scores of other Women's Division games played last week were: Merchants 25, Charlie Brown 3; Flower Shop 37, JD's 14; Merchants 26; Frisbee 6.

Two Teams Unbeaten

Two teams, the Homestead and Zephyrs, last week retained their unbeaten status in the National and American Divisions of the men's slow pitch competition.

The Homesteaders, who are 10-0, defeated CSC 35-3, and the Zephyrs (9-0) outscored Sports Etc. 15-9. Scores of other slow pitch softball games played last week were:

VX-5 15, NWC O's 1; Grand Good 20, Rat Pack 11; Black Sheep 11, Shacklett's 10; Pizza Villa 13, VX-5 10; Sports Etc. 9, Bird Olds 2; Black Sheep 20, Rat Pack 7; Knights 10, Marauders 4, and Bird Olds 21, NWC O's 0.



RECEIVES CITATION — LCDr. Theodore H. Fallar was the recent recipient of the Joint Service Commendation Medal which was presented by RAdm. William L. Harris, NWC Commander. —Photo by Ron Allen

Navy officer assigned to Sidewinder office receives Joint Service Commendation Medal

The Joint Service Commendation Medal was awarded recently to LCDr. Theodore H. Fallar. LCDr. Fallar was decorated by RAdm. William L. Harris, NWC Commander, during informal ceremonies in the admiral's office.

LCdr. Fallar is military deputy for engineering assigned to the Sidewinder program office. He received the award for outstanding meritorious service as staff engineer and engineering director in the Air Combat Evaluation and Air Intercept Missile Evaluation programs at Nellis Air Force Base, Las Vegas, Nev.

The citation notes, in part, that LCDr. Fallar "effectively managed the design, production, implementation and integration of two infrared test missile concepts" while assigned to the Nellis AFB post.

The Joint Service Commendation Medal is awarded by the Secretary of Defense to military personnel for distinguished

Dept. head shift...

(Continued from Page 1)

Science Advisor to the Seventh Fleet, homeported in Yokosuka, Japan. His preparation for this assignment with the Seventh Fleet included a 20-year career at the Naval Weapons Center and its forerunner (the U.S. Naval Ordnance Test Station) during which time he acquired a strong background in electronic warfare and the tactical air warfare field.

During a period of departmental reorganization in the early 1970s, Russell became, in rapid succession, head of the RF Development Division of the Electronic Systems Department in 1970, head of the same Department's Radar Division in 1971, and head of the Electronic Warfare Division in 1972.

He was cited repeatedly during this period for his flexibility, adaptability, and "ability to get the job done under difficult conditions."

Russell became head of the Electronic Warfare Department in June 1973, and capably handled the duties and responsibilities of that position for four years prior to being singled out to serve as Science Advisor to the Seventh Fleet.

Metal Trades Council

The next regular meeting of the Indian Wells Valley Metal Trades Council will be held on Thursday, July 6, starting at 7:30 p.m. at 65-B Halsey Ave., China Lake.

The council is the representative of a unit composed of the Center's non-supervisory, ungraded civilian employees who are located at China Lake.

meritorious service while assigned to joint service activities.

LCdr. Fallar was assigned to the Engineering Division at Nellis AFB before reporting to China Lake in April.

TD Awards...

(Continued from Page 1)
effort have successful.

It also was noted in the letters of commendation received by Drs. Norris, Atkins and Nielsen that "this material (HNB) should open new avenues for research. Furthermore, the specific synthesis that has been conceived will have broader application in the syntheses of other nitrocarbons of this family."

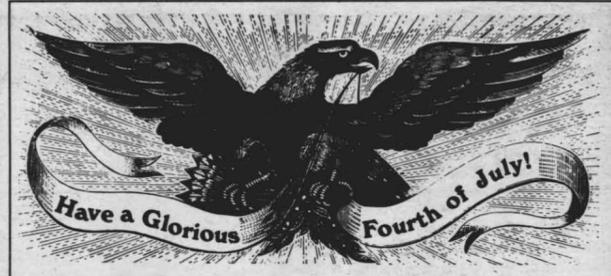
The increased interest in HNB stems largely from the fact that calculations made by scientists in the U.S. predict substantial increases (over other explosives) in the performance of HNB because of its high density and the fact that it contains no hydrogen. With the synthesis of HNB accomplished, it will now be possible to measure the properties of HNB, to verify these predictions, and to do the same for analogous materials prepared by the same method.

OPERATIONS OFFICER RETIRES

LCdr. Verner was retired today following 20 years of Naval service and two years as head of the Aircraft Department's Base Operations Division. He plans to return to San Antonio, Tex., but has no further plans at this time. No replacement for LCdr. Verner has been named.



OPERATIONS OFFICER RETIRES — LCDr. Mike Verner (left) receives a certificate of retirement from Capt. F. H. M. Kinley, NWC Vice Commander. LCDr. Verner was retired today following 20 years of Naval service and two years as head of the Aircraft Department's Base Operations Division. He plans to return to San Antonio, Tex., but has no further plans at this time. No replacement for LCDr. Verner has been named. —Photo by Ron Allen



Hazards of fireworks spelled out in safety tips offered by firemen

From the Fire Division

Count the number of fingers you have. Are they all in place? Are your eyes, nose or any of your toes missing? Now look at your children. Are they missing any of these parts?

If your inventory reads 100 percent and if your 4th of July is a safe one, you'll find that on July 5th everything will still be in the same place.

Fireworks are not authorized at NWC, China Lake. This means that, with the exception of sparklers used under adult supervision, the sale, storage and use of all fireworks on the Center is prohibited.

Fireworks can maim or even kill. Every year, at least ten people are killed and 4,000 others injured in the U.S. through careless use of fireworks. Furthermore, like any highly flammable material, fireworks have been often known to start fires resulting in thousands of dollars in property damage each year, especially in areas where the fire danger is extremely high, as it is in China Lake and Ridgecrest this year.

"The Number One danger of fireworks," according to Fire Prevention Chief Darrell Johnson, "is that parents let their children use them without proper supervision. That's why all these children are losing eyes and being burned, sometimes seriously, over the Fourth of July weekend."

"The Number One hazard is always the user, naturally, and the other hazard," Johnson continued, "is that they contribute to vegetation fires — dry grass, trees, things like that. If you get a brush fire going, any structure nearby stands a good chance of catching on fire and possibly being destroyed."

"In addition," he said, "during the winter season there was a tremendous amount of rain and this has helped to promote the growth of vegetation. Now that summer is here, the vegetation has dried out causing a serious fire hazard."

The NWC Fire Division recommends that fireworks users (in the city of Ridgecrest)

follow the guidelines established by the Consumer Product Safety Commission. They are:

1. Always read directions and precautions on fireworks.
2. Make sure an adult is present to set off the devices.
3. Never experiment by taking fireworks apart or mixing anything with their contents.
4. Always light fireworks outdoors in a clearing away from buildings and flammable materials.
5. Light fireworks one at a time, moving away quickly once lit.
6. Keep water handy for dousing misfired devices. If fireworks malfunction, do not try to relight them or pick them up — rather, douse them with water.
7. Store fireworks in a dry, cool place. Avoid handling that could damage fuses or handles.
8. Never ignite fireworks in metal cans or glass containers.

For a truly safe, fireworks-filled Fourth of July, the Fire Division recommends that you take your family to a community fireworks display such as the one to be held at the Desert Empire Fairgrounds in Ridgecrest, beginning around 9 p.m. If you do this, your family's July 5 inventory will certainly be no different than today's.

12 NWC Sea Cadets to begin summer training in July

Twelve members of the NWC Sea Cadet Squadron will begin summer training in July. Five will receive recruit training at the San Diego Naval Training Center, two will be assigned to the Seabee Construction School at Gulfport, Miss., one has been selected for the Canadian exchange program, and four will serve aboard U.S. Coast Guard ships.

Cadets John Sherwood, Don Holland, Don Chiaravalle, George Henson and Tom Willeford will go through "Boot camp" at San Diego beginning July 5. Steve Peterson and Jim Dillon's training starts in Gulfport on July 24.

Cadet Nick Gagich was selected for this year's Canadian exchange program and will undergo two weeks of training at the Quadra Sea Cadet Base near Vancouver, B.C.

Gagich was one of 25 West Coast cadets selected for the program by the U.S. Naval Sea Cadet Corps headquarters in Washington, D.C.

Cadets Pat McCammon, Kary Fletcher, Mike Kendall and Richard Evert will serve aboard the Coast Guard ships.

Ed Crawford, who has been the China Lake division's Leading Petty Officer for the past two years, recently enlisted in the Navy and began his recruit training in San Diego on June 26. Later, he will attend Hospitalman "A" School at the Naval Hospital there.

The China Lake Squadron is accepting applications for enrollment from young men 14 to 17 years of age and from adults over 18 who wish to become Sea Cadet officers.

Interested persons may contact the commanding officer of the local unit, Lt. A. J. Klissus, by calling 375-2085.

Dr. Finnegan...

(Continued from Page 1)

pyrotechnic seeding of clouds became possible.

It was the application of this method to cloud seeding which made possible the present high state of the art and has found application in commercial cloud seeding on every continent around the globe with the exception of Antarctica.

Dr. Finnegan's involvement in weather modification and atmospheric applications of chemistry has led to the development of tracer materials that can be used to tag parcels of air so that they can be followed across the country and can be identified, even after passage through clouds. These materials are widely used throughout the scientific community.

Other Important Contributions

The long-time Center employee also has participated in study groups to determine the effects of atmospheric contaminants upon the ozone, and pioneered the use of evaporation suppressants to reduce fog from the Panama Canal.

More recently, Dr. Finnegan has been active in calling to the attention of the Navy and the Armed Forces a grave problem resulting from the combustion of aluminum and ammonium perchlorate in large rocket motors. With sponsorship from the National Aviation and Space Administration, he has begun studies of the effects of such burns on the weather on a world-wide scale.

Thompson Award Recipient

Dr. Finnegan, who is a recipient of the L. T. E. Thompson Award (the Center's highest recognition for outstanding individual achievement) for his contributions in the field of weather modification, is a graduate of the University of California at Berkeley, where he received his bachelor's degree. He worked for the Eastman Kodak Co., Rochester, N.Y., for a year and then enrolled at Ohio State University in Columbus, where he earned his Ph.D.

A year of study at CalTech on small ring hydrocarbons in the field of organic chemistry prepared him for a job in the Chemistry Division at NOTS, which he accepted in 1950, and he has been here ever since.

Dr. Finnegan's wife, Martha, whom he met at China Lake, has been a registered nurse employed at the Ridgecrest Community Hospital. The couple have two grown children — a son, Tim, and a daughter, Martha.

Representatives meet to discuss forming council of clubs

Representatives of 13 Indian Wells Valley veterans, charitable and fraternal organizations met last Monday night to discuss the formation of a council of clubs.

After the meeting, which was held at the Veterans of Foreign Wars hall, the 14 attending representatives voted to impress upon the members of their respective organizations the benefits of belonging to a council of clubs.

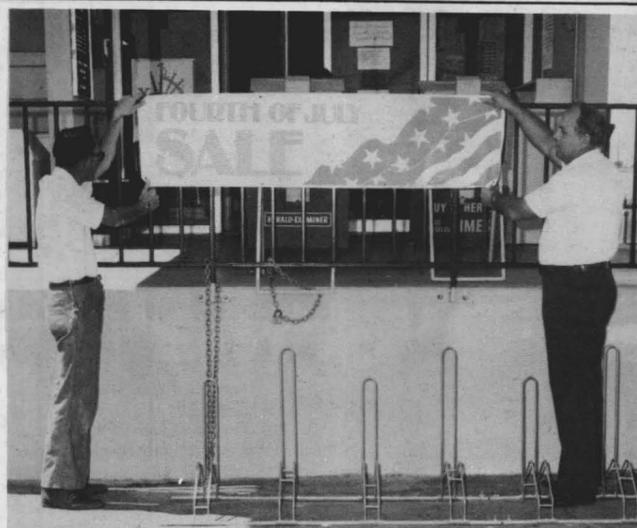
During the three-hour meeting, representatives discussed the objectives of such a group. These included the fostering of good fellowship between member groups, the coordination of community-wide activities involving more than one organization, inter-organization project assistance and the encouragement of cooperative efforts.

The meeting was chaired by Art Trent, president pro-tem of the Veterans' Coordinating Council and president of China Lake Branch No. 95 of the Fleet Reserve Association.

Sale set at Thrift Shop

A special \$1-per-bag sale will be held at the WACOM-sponsored Thrift Shop, which will re-open Thursday, July 6, after being closed for the last two weeks.

The sale will continue through Thursday, July 13. Hours of operation at the Thrift Shop are Tuesdays from 7 to 9 p.m. and Thursdays from 9 to 11 a.m.



'BANG-UP' OF A SALE — Robert Myers (right), the Navy Exchange retail store manager, and Exchange employee Jerry Smith hang up a sign announcing the Navy Exchange Independence Day Sale. The week-long sale begins today. Myers recently reported to China Lake from NAS Beeville, Tex., where he was the Exchange Store manager. —Photo by Ron Allen

Be safety conscious during travel over long Fourth of July holiday

By Billie Hise

Let's set a mark to shoot at on this 4th of July holiday! No accidents, no injuries!

If Washington (George, that is) had not given thought and planning to insure success in his endeavors, our world today might be very different. If we don't plan for safety, our world may be different also and we may not be very happy with it.

Typically more accidents do happen when more people are engaged in less familiar activities such as boating, swimming, hiking, mountain climbing, setting off fireworks or are out there driving on unfamiliar roads and highways or are driving on too familiar roads. Or perhaps they get tired and sleepy on the long drive home.

More Drunk Drivers on Road

More drinking may occur on holidays also. Wherever you go, do think of the hazards you may have to face and how you can handle them.

Our safety is up to us. Do we know the problems? You might ask in an unfamiliar area or situation what problems others have had? Perhaps personnel in a sports shop or a Forest Ranger might give you some information.

Do you have the proper safety equipment? What do you need?

The person who took five small children out on the lake for a boat ride without life preservers didn't expect them to all lean over one side of the boat and cause the boat to tip over. The hiker with new boots got blisters so bad that he had to be carried out of the mountains. Luckily there was someone along to get help. The driver who took the familiar corner too fast and rolled the vehicle hadn't planned for safety.

Plan for Emergency

Think about the hazards your family and friends may face and take steps to insure that the emergency does not happen. But just in case, plan what to do if it does.

Overloading a car or a motorcycle is sometimes a cause of accidents. Overloading makes a vehicle harder to control. Excessive loads also cause abnormal flexing of the tires which can lead to cord damage in sidewalls and overheated tires.

On a motorcycle proper loading is critical. When cornering or if there is a rock in the road or a gust of wind, then the overloaded motorcycle's stability is poor.

Fatigue is also a major cause of holiday or vacation time accidents. We all want to get as much fun out of our holiday as we can, but don't overdo it. Make regular rest stops. Get out and stretch and walk around to get yourself alert. If you are

sleepy, find a rest stop to pull off and take a snooze or let your wide awake, alert passenger drive while you sleep.

The vibration of a vehicle, car or motorcycle, can contribute to fatigue. The actual mechanism of vibration fatigue is not clearly understood but a comparison might be the drowsiness you feel in a barber or beauty shop chair with the hair dryer or electric clippers going. The total effect dulls your thinking.

Be Wary of Drunk Drivers

Think if you drink. Alcohol is a factor in many holiday accidents. Alcohol affects vision, reaction time and coordination. Where ever you go and what ever activity you have planned, do be conscious that others may not regulate their drinking and may be under the influence. Stay alert and aware. Plan where and when you will drink.

Do be concerned for safety. Plan your defense in order to avoid accidents or injuries.

Independence Day sale starts today at Navy Exchange

The Navy Exchange will hold a week-long Independence Day Sale from June 30 through July 8 (except for Sunday, July 2, and July 4), Ltjg. Robert J. Boyd, Navy Exchange Officer, has announced.

All exchange outlets and snack bars will be affected, with sale items being reduced from 10 to 30 percent off regular prices. The main retail store will feature 10 to 15 percent reductions in all departments and clearance items will be reduced 20 percent.

Snack bars at the bowling alley, Michelson Lab and the airfield will offer a ham and cheese sandwich special at 25 cents off the regular price.

In addition to regular specials, the NEX Service Station will perform an oil change, install a new oil filter and lubricate any make of automobile at 30 percent off the usual cost during the entire month of July.

Even greater savings will be offered at the Personalized Services Center at the Service Station. Dry cleaning and film processing, however, will not be affected by the sale.

Ltjg. Boyd said that in addition to the reduction of items already in stock, the Long Beach Naval Station Exchange is sending several new items to China Lake which have been reduced in price for the sale.

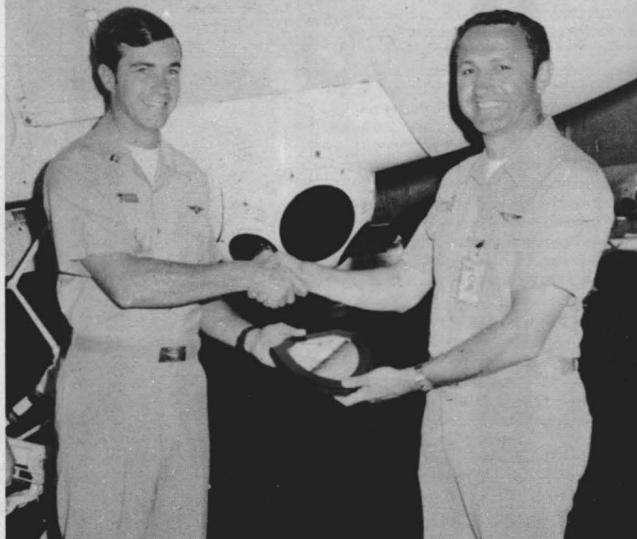
The NWC Navy Exchange is a branch of the larger one at the Long Beach Naval Station.

Holiday brings changes in some ESB activities

Because of the forthcoming holiday on Tuesday, July 4, there will be a change in the hours of operation of some Employee Services Board activities.

Cartering service trucks will not be in operation on Monday, but will resume business on Wednesday, July 5. The same is true of the CLPP cafeteria, which will also be closed on Monday and Tuesday, but be back in operation on Wednesday.

In addition, the ESB-operated barbershop in the Bennington Plaza area will be open on Monday, but will be closed on Tuesday and Wednesday, July 4 and 5. Regular service there will be resumed on Thursday, July 6.



A-6 FLIGHT PLAQUES PRESENTED — Lt. Michael Vogt (left), VX-5 communications officer, receives a plaque from Capt. L. E. Guiliani, squadron Commanding Officer, in recognition of Lt. Vogt's logging 1,000 hours as an A-6 pilot. Lt. Casmer, VX-5's personnel officer, and the squadron's assistant A-6 systems officer, Lt. Steven Casmer, also received plaques for flying 2,000 hours in A-6s as bombardiers. The Grumman Corp., manufacturer of the A-6, awards the plaques to pilots and bombardiers each time they log 1,000 hours of flight time in the aircraft. —Photo by PHIL L. Ziesler



USED EQUIPMENT DISPLAY — Dr. R. E. Kistler (left), head of the NWC Office of Finance and Management, and Cdr. Jim Baker, Deputy Director of the Supply Department, examine a photographic light meter held by Bill Pettey, who is charge of the NWC Excess Equipment Viewing and Screening Area.

Warehouse 42 area set aside for reissue of excess equipment

A special area has been set aside in Warehouse 42 where equipment no longer needed by one NWC department may be examined for possible reuse by another department.

Called the "Excess Equipment Viewing and Screening Area," it is located across the parking lot from the Defense Property Disposal Office on "H" Street between Sandquist and Lauritsen Roads.

Only equipment that is in usable condition will be displayed when the area opens for business on July 10. Viewing hours are 8 to 11 a.m. on Tuesdays and Thursdays.

Although any interested NWC employee may examine the equipment, only persons authorized in writing by their department may select and sign for the custody of displayed items.

The equipment will remain on display for 60 days after being turned in for reissue. After that period, it will be disposed of in accordance with standard Navy Department procedures and may no longer be reissued to other departments on the Center.

Excess equipment may be delivered to the Warehouse 42 viewing and screening

area in accordance with NWC Instruction 4500.1G, which is being revised by the notice establishing the viewing and screening area.

The notice, NWC Notice 4570, details procedures and policies concerning receipt, display and disposal of equipment at the Excess Equipment Viewing and Screening Area.

New slate of officers picked by China Lake Photographic Society

A new slate of officers, headed by Betty Speckels as president, was elected recently by the China Lake Photographic Society. Other officers who will serve for the coming year are Robert Johnson, vice president; Betty Curtis, secretary; Klaus Schadow, treasurer, and Jed Thornberry, steward.

A Photographic Society of America color film slide program entitled "Santa Clara" will highlight the local group's next meeting, which will be held on Thursday, July 6, starting at 7:30 p.m. in the Friendship Room of the First Federal Savings and Loan Association building in Ridgecrest. All interested persons are invited to attend.

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-6 p.m.

Centerers are reminded that all employees or military personnel, regardless of their place of residence, are welcome to use the NWC library.

FICTION

Celeste De Blais — The Proud Breed.
Gordon Dickson — The Far Call
Terrence Kilpatrick — Swimming Man Burning.
Judith Krantz — Scruples.
James Alan McPherson — Elbow Room.
Charles Merrill Smith — Reverend Randolph and the Avenging Angel.

NON-FICTION

Lynn Caine — Lifelines; Learning to Live Alone Without Being Lonely.
Peter Farb — Humankind; What We Know About Ourselves.
Michel Foucault — Discipline and Punish; The Birth of the Prison.
Erika Ostrovsky — Eye of Dawn; The Rise and Fall of Mata Hari.
Edward Roseman — Confronting Non-promotability; How to Manage a Stalled Career.
Aleksandr Solzhenitsyn — Gulag Archipelago, Three.



ADDITIONAL AWARDS PRESENTED FOR PATENTABLE WORK — Four employees of the NWC Research Department were the recent recipients of additional awards and patent certificates from Dr. E. B. Royce (at right), their department head. They are (l.-r.) Dr. Martin H. Kaufman, Dr. Adrian D. Baer, Dr. Terry Donovan and Dr. Arnold Adicoff. Dr. Kaufman devised a process for use in bonding polymers, while Dr. Baer and Dr. Donovan shared an award for their work on an anti-reflective coating for high energy optical components. Dr. Adicoff developed a method for bonding holographic elements to plexiglass materials.

CHAMPUS Cooperative Care Plan will go into effect on July 1

A new health plan that authorizes the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS) to share the cost of many services and supplies received from civilian medical facilities when eligible individuals remain under primary care from a military medical facility has been announced by the Department of Defense.

This new plan will permit CHAMPUS and the Direct Care System to complement each other whenever possible. Known as Cooperative Care, the new plan goes into effect on July 1 and is retroactive to June 1, 1977.

Formerly, CHAMPUS benefits could be considered only when a patient was completely released from the jurisdiction of a service medical facility. The patient would bear a portion of the cost and CHAMPUS would pay the remainder.

Cooperative Care can be used when a service medical facility determines that a portion of required medical care is beyond the capability of that facility or any local federal medical facility for which the patient is eligible. To be considered for Cooperative Care, the benefit must fall under CHAMPUS authorized care.

Following are some of the services that may be obtained from civilian sources under the Cooperative Care program:

(1) Authorized non-diagnostic medical

services such as physical therapy, speech therapy, and radiation therapy;

(2) Psychotherapeutic / psychiatric care; and

(3) All care under the CHAMPUS program for the handicapped.

Certain types of medical care provided by civilian sources when the patient remains under primary control of a service medical facility that cannot provide complete care will continue to be funded through the Direct Care System.

Further information on the Cooperative Care plan is available from local CHAMPUS representatives.

Direct deposit of Navy retirement pay possible

As part of an effort to insure that Navy personnel receive their first retirement /retainer checks within 30 days after they retire or enter the Fleet Reserve, they now may request that their checks be sent directly to a financial institution for deposit.

In addition to banks, service personnel may request that checks be deposited in a savings and loan association or in a state chartered credit union.

Disbursing officers have been directed to advise Navy personnel who are scheduled for retirement of the direct deposit option prior to their retirement or transfer to the Fleet Reserve.

Promotional Opportunities . . .

(Continued from Page 2)

work well under pressure; ability to plan and organize work.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Electronics Technician, GS-854-9, PD No. 7862965, Code 4282 — This position is located in the Telemetry Data Section, Range Department. Duties involve orbital flight testing, pretest setups for range tests, operation of the Digital Automated Real-Time Telemetry System, calibration and maintenance, installation and check-out of telemetry systems. Job Relevant Criteria: Knowledge of electronic measurement and data collection methods with emphasis on telemetry receiving, recording and display. Knowledge and experience in digital computers. Range operations experience. Physical Requirement: Must be physically capable to work outdoors in extreme weather conditions.

File applications for the above with Jan Nieberlein, Bldg. 34, Rm. 204, Ph. 2577.

Fiscal Accounting Supervisor, GS-501-4/7, PD No. 7800028N, Code 0865 — This position is located in the Disbursing Branch, Financial Operations Division, Office of Finance and Management. The incumbent is a fiscal accounting supervisor and serves as supervisor of the fiscal unit. The unit issues all checks, maintains the cash-book and other reports, processes the civilian payroll, and financial returns and reports. The incumbent also serves as deputy to the disbursing officer. Job Relevant Criteria: A thorough knowledge of disbursing rules, regulations, techniques and procedures; ability to analyze and interpret guidelines; familiarity with NWC organizational structure and policies; ability to supervise. Status eligibles accepted.

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

Voucher Examiner, GS-540-5, PD No. 7325022, Code 25753 — Applications will be accepted from status eligibles. This position is located in the Audit Processing Section, Receipt Control Branch, Control Division of the Supply Department. The function of this section is to receive, audit, certify and forward contractors' invoices for payment, maintain accurate payment records, and close out completed orders. Incumbent's duties include verifying documents for compliance with NWC and DoD established policies and procedures, initiating correspondence necessary to complete the auditing/processing of invoices and calculating applicable prices, discounts and charges. Job Relevant Criteria: Technical knowledge of voucher examining methods and regulations; technical knowledge of purchase methods and regulations; ability to

work well under pressure; ability to plan and organize work.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2676.

Clerk-Typist, GS-322-4, PD No. 7445085, Code 3242 — This position is located in the Explosives Technology Branch, Conventional Weapons Division, Ordnance Systems Department. As branch secretary, the incumbent screens and refers telephone callers and personal visitors, types technical reports, letters, and memoranda; makes travel arrangements; arranges meetings and conferences; reads and routes mail; maintains files and records. Job Relevant Criteria: Demonstrated ability to work with a minimum of supervision; ability to type with speed and accuracy; knowledge of security regulations; knowledge of Navy filing system.

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

Secretary, GS-318-4/5, PD No. 7400014N, Code 003 — This position is that of secretary to the Public Information Officer. Incumbent performs such duties as maintaining all files; typing official correspondence, memorandums, etc.; opening mail, screening phone calls; greeting and assisting visitors; maintaining control records on incoming correspondence and documents requiring action; handling inquiries from news media on general issues; editing and typing speeches, Congressional and business correspondence. Job Relevant Criteria: Knowledge of Navy correspondence format and files; ability to type efficiently and accurately; knowledge of Center's organization and policies; ability to deal tactfully with people and to work under pressure. Previous applicants need not reapply.

File applications for the above with Cathy Rivera, Bldg. 34, Rm. 206, Ph. 2723.