

Grand Opening Set At Miniature Golf Course Sat. Night

A grand opening ceremony for the newly-completed miniature golf course, combined with the fifth anniversary celebration of the Ridgecrest Improvement Committee, will be held tomorrow night at 7:30 at the golf center, which is located adjacent to the Desert Empire Fairgrounds.

On hand will be Scott Sill and Vicki Runo, the current Mr. and Miss Johnny Horizon, who will perform the ribbon-cutting ceremony, along with Dr. Rex Shacklett, mayor of Ridgecrest.

Also present at the ceremony will be Karen Karner and Jeff Lehman, who were Mr. and Miss Johnny Horizon in 1971-72, and Jennifer Hignite and David Walsh, who held the titles in 1972-73.

Other civic leaders, including former Mayor Kenneth M. Smith, and Capt. W. H. Sturman, NWC's Public Works Officer, will be present. An invitation to attend has been sent to RADM. R. G. Freeman III, NWC Commander.

The Ridgecrest Improvement Committee, headed by Ted B. Edwards, chairman, was formed on Aug. 9, 1969. According to Edwards, the group's fifth anniversary will be celebrated tomorrow night along with the grand opening ceremony because "The opening of the mini-golf course is one of the community's finest achievements in recent years."

At the present time, nine holes are in operation, with plans for nine more to be completed as soon as possible. Edwards, an electrical engineering technician in the Public Works Department and a member of the Ridgecrest City Council, stated that business has been "fantastic" since the first nine holes opened on July 2.

The public is invited tomorrow night. Refreshments will be served free of charge to all those who attend.



FIREWORKS DISPLAY — A gala fireworks show was presented for local area residents on the evening of July 4 in celebration of this nation's independence. The California Fireworks, Co., of Rialto, was hired especially for the occasion by the NWC Special Services Division. Thousands of local residents lined the area near Mirror Lake, as evidenced by the autos in the foreground. Shining brightly below the bursts of fireworks, the full moon added its lustre to the celebration.

Desert Tortoise Owners Urged To Obtain Possession Permits

The state Department of Fish and Game announced recently that desert tortoise owners should now obtain applications for permits to possess these native creatures of the Mojave Desert.

The permits are required by recent legislation designed to inventory the tortoises already in captivity and prevent any further removal of tortoises from their native habitat. Environmentalists have become increasingly concerned over the decimation of the tortoise population caused by urbanization, highway traffic, and possessive tourists. A flourishing (and illegal) trade in pet store sales of tortoises has further endangered this species.

DFG Doesn't Want Tortoises

The Department of Fish and Game is not seeking to reclaim tortoises from their owners, but, on the contrary, urges people not to return tortoises to the desert.

There are two reasons why tortoise-owners should keep their pets: First, the tortoises might not be native California tortoises and could interbreed with native species; and second, tortoises in captivity sometimes catch a disease similar to the common cold, and the potential effect of this disease on native tortoises is not known.

Tortoise-owners who want to be rid of their pets are asked to contact Carl McCammon, local California fish and game warden, by calling 375-7945. He will pick the tortoises up and transport them to a nearby tortoise relocation center where they can be cared for and, if appropriate, returned to their native habitat.

Applications Available Here

Persons wishing to keep their tortoises may obtain applications for permits from the Triangle Sports Shop, just outside the NWC main gate, and at The ROCKETEER office. All privately-owned tortoises should be registered immediately to avoid violation of Section 5001 of the Fish and Game Code, which prohibits acquisition of the desert tortoise after the effective date of the new legislation.

After the Department of Fish and Game has received a completed application form,

it will send a tortoise owner a numbered tag to be affixed to the tortoise. If the tortoise in question is small—less than four inches in size—the owner should keep the tag until the tortoise grows large enough to allow the tag to be properly affixed.

If a tortoise in human possession lays eggs, and these eggs hatch, it is necessary for the owner to obtain additional permits.

The permits are obtainable only by people who have had tortoises as pets for some time; present removal of tortoises from their desert habitat is not permitted.

Ice Cream Social Is Slated Next Tuesday

The annual Ice Cream Social, sponsored by the Protestant Women of the Chapel, will be held on the All Faith Chapel lawn on Tuesday evening, beginning at 6. More than 1,100 persons attended last year's event.

Tickets are priced at 75 cents for adults and 35 cents for children 11 years of age and under. All proceeds from the affair will go to help support six different mission projects that are aided by the PWOC.

These are the Friendship House and the Bakersfield Rescue Mission, both in Bakersfield; the Reissnyder Missionaries organization; the Ludhiana Christian Medical College, in India; Casa de Todas, in Mexico, and Teen Challenge.

Entertainment will be provided by Howard and Jill Rutledge, who will lead square dancing, to recorded music. In addition, the Senior High Fellowship will operate its popular dunking tank.

Dance Planned at COM

Drake Dierkhising, manager of the Commissioned Officers' Mess, has scheduled the "Good Times Band" for a dance tonight, beginning at 9 o'clock.

The specialty of the dining room tonight is Virginia style ham steak for \$3.95, and Dierkhising invites all club members and their guests to "come and eat before stomping their feet."

SHOWBOAT

MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED

General Audiences

(PG) - ALL AGES ADMITTED

Parental Guidance Suggested

(R) - RESTRICTED

Under 17 requires accompanying Parent or Adult Guardian

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Matinee—1 p.m.

FRI. 12 July

"THE GREAT NORTHFIELD MINNESOTA RAID" (92 Min.)

Cliff Robertson, Robert Duvall (Western Drama) Failing to secure amnesty from the Missouri legislature, the outlaw gang led by Cole Younger and Jesse James decides to rob the "biggest bank west of the Mississippi" at Northfield, Minn.

SAT. 13 July

"MAJOR DUNDEE" (122 Min.)

Charlton Heston, Richard Harris (G)

"TALES FROM THE CRYPT" (92 Min.)

Sir Ralph Richardson, Joan Collins, Peter Cushing (Horror Drama) A crypt keeper, Sir Ralph Richardson, foretells the future to five people who've been lost in the catacombs while on tour. Peter Cushing plays an old man driven to suicide by an unfeeling neighbor. Joan Collins meets her fate in an episode titled "All Through The House," and the last installment proves that the blind are capable of resorting to a particularly vicious kind of revenge. (PG)

SUN. & MON. 14-15 July

"THE SUPER COPS" (94 Min.)

Ron Leibman, David Selby (Crime Drama) Ron Leibman as Greenberg and David Selby as Hantz graduate from the police academy together and team-up as they are assigned to a traffic unit. On their own, they begin making drug arrests. The local drug market being their prime target. Their methods and exploits are disapproved by fellow officers and their police captain. (R)

TUES. & WED. 16-17 July

"PAPILLON" (151 Min.)

Steve McQueen, Dustin Hoffman (Action Drama) Arriving together at the French penal colony, fellow convicts Steve McQueen and Dustin Hoffman make a pact for protection and escape. The first attempt, however, proves quickly abortive when McQueen is betrayed. His second attempt is more successful. Aided by Hoffman and several others, McQueen finds a boat, reaches the mainland, evades trackers and eventually finds a haven in a native village. (PG)

THURS. & FRI. 18-19 July

"CANCEL MY RESERVATION" (100 Min.)

Bob Hope, Eva Marie Saint (Comedy) Dan Bartlett (Bob Hope) is a TV personality who comes to his ranch in Phoenix from New York to get away from his wife Sheila (Eva Marie Saint) with whom he is having marital problems. (G)

YOUTH MATINEES

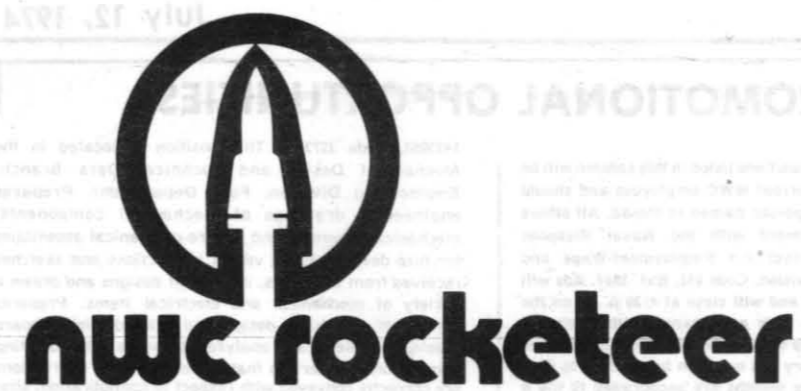
Ray Milland, Jean Peters, Paul Douglas and Ed Begley star in "It Happens Every Spring," the Youth Center matinee fare for next Tuesday at the Center Theater.

On Thursday, July 18, Margaret O'Brien, Herbert Marshall, Dean Stockwell, Gladys Cooper and Elsa Lanchester will be seen in the leading roles in "Secret Garden."

The films are rated for showing to adults, youths and children.

The matinees begin at 1 p.m. Admission is 30 cents each and free to all paid-up members of the Youth Center. Passes are not required for these matinees.

From _____ PLACE STAMP HERE
TO _____



Naval Weapons Center
China Lake
California

Vol. XXIX, No. 27

NWC Wins Environmental Protection Award

Center Cited as Tops Among Research, Development Activities for '74 Programs

The Secretary of the Navy's 1974 Environmental Protection Award for the most significant environmental protection effort carried out by a research and development activity during the year has been won by the Naval Weapons Center.

The objective of the awards program, now in its third year, is to promote excellence in environmental protection within the Navy by recognition of the Naval ships, research and development laboratories and other activities demonstrating outstanding leadership in environmental matters.

The SecNav awards consist of trophies and flags for the winners in each category. The trophy, inscribed with the name of the winner, is presented to the victor for permanent retention, while a master trophy, also inscribed with the names of each year's winners, is retained in the office of the Secretary of the Navy.

Each of the awards is accompanied by a distinctive flag to be displayed by the winning ship or activity for a period of one year from the date of the award. A formal presentation of the flag and trophy will be announced at a later date.

Criteria for Award

Criteria for the award evaluation include: (1) Awareness of existing laws and directives in the field of environmental protection. (2) Planning in the areas of air, water and noise pollution. (3) Designation of an environmental protection officer assigned specific responsibilities. (4) Command relations with state, community and regional federal agencies.

In the category of Naval R&D laboratories, another criterion considered in determining the award winner is the execution of a program of significant environmental research and development.

Announcement that the Center has won the Navy's Environmental Protection Award marks the achievement of one of the 1972 goals that was set for itself by the Public Works Department, Capt. W. H. Sturman, department head, announced. Code 70 is designated the lead in coordination and implementation of NWC's participation in the Navy's Environmental Quality Program.

Winning the award required extensive effort by Public Works Department per-



AIR POLLUTION MONITORED—With the use of this specially equipped van, employees from the Technology Utilization Office can collect air samples and check for pollution. This is being done as part of a project sponsored by the California Air Resources Board. Atop the van are (from left) Ray Kelso, Paul Owen and Peggy Davis.

PR2 Gregory Brown Singled Out As NWC's 'Bluejacket of Month'

Aircrew Survival Equipmentman Second Class Gregory A. Brown, who works in the Naval Air Facility Parachute Loft, has been selected "Bluejacket of the Month" for July.

As a result of his selection, the Chicago, Ill., native will receive an all-expenses paid weekend in Bakersfield as a guest of that city's Greater Chamber of Commerce.

He will be greeted by members of the CofC and presented with gift certificates and city. He entered the Navy in October 1970. After boot training at Great Lakes, in Chicago, he attended "A" School in Lakehurst, N.J., and was then assigned to Naval Air Station, Cubi Pt., Philippines.

"That's my favorite duty station because that's where I met Maria," Brown stated. "I really liked the Philippines and I'd like to go back. However, China Lake has a charm of its own. There's a lot of things to do here and my Command is terrific," the July Bluejacket added.

Races Funny Cars

One of Brown's hobbies is building and racing "funny cars." He once made it to the fourth round of the Spring Nationals in (Continued on Page 3)

Major Contract Let For APAM Cluster Weapon Production

The Antipersonnel/Antimaterial (APAM) Cluster Weapon will be produced in quantity during calendar year 1974, under a weapon system procurement contract recently negotiated with Honeywell, Inc., Minneapolis, Minn.

One of the largest weapon system contracts ever to be awarded by NWC through the Navy Regional Procurement Office in Long Beach, the contract is for 4,320 weapons, at a cost of \$22,538,000.

At the request of the Chief of Naval Material, APAM came to NWC in 1967 as a test case to determine the capability of a field laboratory to carry a weapon system through design, development, and first volume production, stated Robert W. Zimmer, program manager for the weapon.

Complete technical, financial and management responsibilities—including funding of participating field activities—are vested in the NWC program office. (Continued on Page 3)



PR2 Gregory A. Brown

discount coupons to use during his stay. In addition, while in Bakersfield, he and his wife, Maria, will receive their room and meals at the Bakersfield Inn.

Prior to leaving the local area, the Browns will be presented with the keys to a new Ford automobile from Doug Butler, owner of Desert Motors, to use on the weekend trip.

PR2 Brown was graduated from the Chicago Vocational High School and went to work in the steel mills on the east side of the

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Extra Pay Day Set On July 19 Covering Delayed Wage Boost

An extra pay day is in the offing next Friday, July 19, for military and civilian personnel of the Naval Weapons Center.

At that time, a retroactive pay adjustment will be made for those who were on the payroll during the period from Oct. 1, 1972, to Jan. 1, 1973, when a 5.14 per cent pay raise was delayed by action of President Nixon.

According to Don Green, head of the Accounting and Disbursing Division in Central Staff, both civilian and military personnel will receive lump sum payments for the amount due them, less normal withholding taxes and other exclusions, such as retirement fund deductions. There will not be, however, any automatic bank deposits of the special payroll checks as is done on regular pay days for those requesting this service.



SOMETHING TO BE PROUD OF — Capt. W. H. Sturman, Public Works Officer, reviews the report that has earned the Secretary of the Navy's 1974 Environmental Protection Award for the Naval Weapons Center. Capt. Sturman is flanked by Jim Ouimette (at left), head of the Public Works Department's Environmental Engineering Office, and George Linstead, who is in charge of the Technology Utilization Office. Data for the report was gathered and written by Ouimette, who received input from numerous scientists and engineers, as well as from Linstead and his co-workers. —Photo by Ron Allen



PROMOTED TO LTJG. — Rear Admiral Rowland G. Freeman III (I.), NWC Commander, congratulates newly-promoted Ltjg. T. W. Cox, following a recent ceremony. Ltjg. Cox is the Assistant Medical Administrator at the NWC Dispensary. He entered the U.S. Navy as an enlisted man in January 1966 and received his commission in July 1972 through the Direct Procurement Program of the Medical Corps. He came to China Lake in September 1972 from the Naval Air Station, Bermuda, Ltjg. Cox and his wife, Joanne, have one son, Patrick, 3 years of age. Among the many medals that Ltjg. Cox has earned in his eight years of service are the Navy Achievement Medal, with "V," and the Purple Heart.

Surplus Property To Be Sold at Auction

An auction sale of surplus government property will be conducted at the Community Center on Thursday, July 25, it was announced this week by the Defense Property Disposal Office.

Both civilian and military personnel of the Naval Weapons Center, as well as the general public, are eligible to bid on the nearly 170 different items of equipment that will be offered for sale. The list includes calculators, electrical and electronic components, pumps, trailers, trucks and tractors.

Beginning next Tuesday, persons interested in participating in the auction may inspect the equipment to be offered for sale on weekdays between 8 a.m. and 3:30 p.m. at the Defense Property Disposal Facility.

Directions to this facility will be available at the NWC main gate pass desk.

Those who wish to take part in the auction must be present and registered on July 25 at the Community Center. Sign-ups will begin at 8 a.m. and the sale will start promptly at 9.

For the convenience of prospective bidders, an open house policy will be in effect between 7 a.m. and noon on July 25.

Items offered for sale at the auction may be removed on the sale date, provided that full payment is made. Additional information may be obtained by contacting the Defense Property Disposal Office, Code 97, Naval Weapons Center, phone Ext. 2502 or 2538.

PROMOTIONAL OPPORTUNITIES

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 "H" Employment-Wage and Classification Division, Code 655, 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 454 or 657). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason.

Supervisory General Engineer, GS-801-13 or 14, PD No. 755143, Code 55202 — Applications will be accepted from current NWC career or career conditional employees only. This position is that of Sidewinder / Chaparral System Program Manager in the Electromechanical Division of the Engineering Department. Responsible for direction, planning and coordination of the work of the Engineering Department on Sidewinder and Chaparral systems, i.e., engineering design, production documentation on guidance and control, motor, fuze and associated test equipment. Also includes technical review of all work performed by contractors and other Engineering Department groups and coordination with other governmental agencies. Job Relevant Criteria: Extensive background and training in general missile systems development, analysis, evaluation, proofing, production and management. Experience in the conducting of major evaluation programs. Experience in a liaison capacity. Minimum Qualification Requirements: As defined in CSC Handbook X-118. PLEASE NOTE: Previously advertised 6-28-74. Those who applied then will be automatically considered and need not re-apply.

General Engineer, GS-801-12 or 13, PD No. 855122-1, Code 55202 — Applications will be accepted from current NWC career or career conditional employees only. This position is located in the Sidewinder / Chaparral Program Office, Electromechanical Division of the Engineering Department. Incumbent is responsible for electrical, mechanical and electromechanical aspects of the Chaparral missile. Performs production engineering duties, evaluates proposed changes, plans work assignments, provides project coordination. Maintains close liaison with contractors NAVAIRSYSCOM and other military commands. Job Relevant Criteria: Training and experience in electrical, mechanical and electromechanical systems. Experience in production engineering. Experience in a liaison capacity. Minimum Qualification Requirements: As defined in CSC Handbook X-118. PLEASE NOTE: Previously advertised 6-28-74. Those who applied then will be automatically considered and need not re-apply.

General Engineer, GS-801-12 or 13, PD No. 855122-1, Code 55202 — Applications will be accepted from current NWC career or career conditional employees only. This position is located in the Sidewinder / Chaparral Program Office, Electromechanical Division of the Engineering Department. Incumbent is responsible for electrical, mechanical and electromechanical aspects of the Chaparral missile. Performs production engineering duties, evaluates proposed changes, plans work assignments, provides project coordination. Maintains close liaison with contractors NAVAIRSYSCOM and other military commands. Job Relevant Criteria: Training and experience in electrical, mechanical and electromechanical systems. Experience in production engineering. Experience in a liaison capacity. Minimum Qualification Requirements: As defined in CSC Handbook X-118. PLEASE NOTE: Previously advertised 7-6-74. Those who applied then will be automatically considered and need not re-apply.

Supervisory General Engineer, Physicist or Electronics Engr. GS-13 or 14, PD No. 7251118, Code 51501 — This position is Associate Head, Guidance and Control Division, Systems Development Department. The division provides for the management, research, design, analysis, development, technical evaluation and support of air-to-air missile guidance and control systems. The incumbent will be responsible for the technical direction and administration of programs assigned to and performed within the Division and other work as assigned by the Division Head. Job Relevant Criteria: Graduate engineer or physicist status due to the complex analysis involved. Knowledgeable in electronics. Proven ability for leadership and creative technical ability. Minimum Qualification Requirements: As specified in CSC Handbook X-118. Prior applicants need not re-apply.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.
Clerk (Typing), GS-301-5, PD No. 7425026, Code 252 — This position is located in the Procurement Division of the Supply Department. As the division secretary, duties and responsibilities include composing and reviewing correspondence; frequent personal and telephone contacts; obtaining and presenting information, charts and graphs; and setting up and maintaining files. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Must be a qualified typist. Familiarity with Navy correspondence and filing procedure. Ability to deal effectively with people.

Electronics Engineer, GS-855-7 or 9, PD No. 7250092, Code 3331 — This position is located in Fuze Project Branch I, Development Division I, Fuze Department. Incumbent designs and develops R-F type proximity fuzes using the applications of digital circuit techniques. Performs basic investigation of fuze circuits to analyze their performance under prescribed environmental conditions. Plans and conducts field or laboratory tests and reports results. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Knowledge or training in digital and integrated circuit techniques. Knowledge of microwave system operations and signal processing techniques.
Engineering Technician, GS-802-7/8 or 9, PD No.

7433054, Code 3372 — This position is located in the Mechanical Design and Technical Data Branch, Engineering Division, Fuze Department. Prepares engineering drawings of mechanical components, mechanical assembly and electro-mechanical assemblies for fuze devices. From verbal instructions and sketches received from engineers, incumbent designs and draws a variety of mechanical and electrical items. Prepares layouts of structural design and printed wiring board masters. Reviews and analyzes drawings after drafting completion to ascertain that the engineering instructions are correctly conveyed with respect to configuration, size, material treatment and parts inspection. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of MIL-STD-100 and MIL-D-1000 documents. Mechanical and electronic drafting capabilities. Working knowledge of mathematics, algebra and physics.

Purchasing Agent, GS-1105-5/6 or 7, PD No. 7025011, 7025012, 7025017, Code 2522 — This position is located in the Purchase Branch, Procurement Division of the Supply Department. Incumbent is responsible for a wide range of purchases of standard commercial items and services as well as some technical items. Quotations or offers are generally solicited by telephone. Incumbent is responsible to assure that the contract file contains adequate documentation to justify his purchase actions. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be knowledgeable in all small purchase methods and the basic techniques of formal contracting. Ability to deal with a wide variety of persons, establishing and maintaining good relationship.

Supervisory Inventory Management Specialist, GS-2019-9, PD No. 7425821, Code 2573 — This position is head of the Stock Control Branch, Supply Department. Incumbent is responsible for the complete local inventory management of all classes of items stocked at the Center, including stock level maintenance; procurement authorization; determining requirements and disposal of excesses. Analyzes and performs detailed planning for stock control functions. Reviews and analyzes reports; data to direct and coordinate the work of inventory management specialists in the branch; and interprets NAVSUP manuals and directives; makes changes in the stock control function to comply with them. Performs all supervisory duties for the branch. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Ability to supervise a work group. Knowledge in all phases of supply. Knowledge of and ability to apply ADP to inventory management control. Background in logistics management and ability to interpret and analyze inventory programs. Ability to manage changing workloads and patterns.

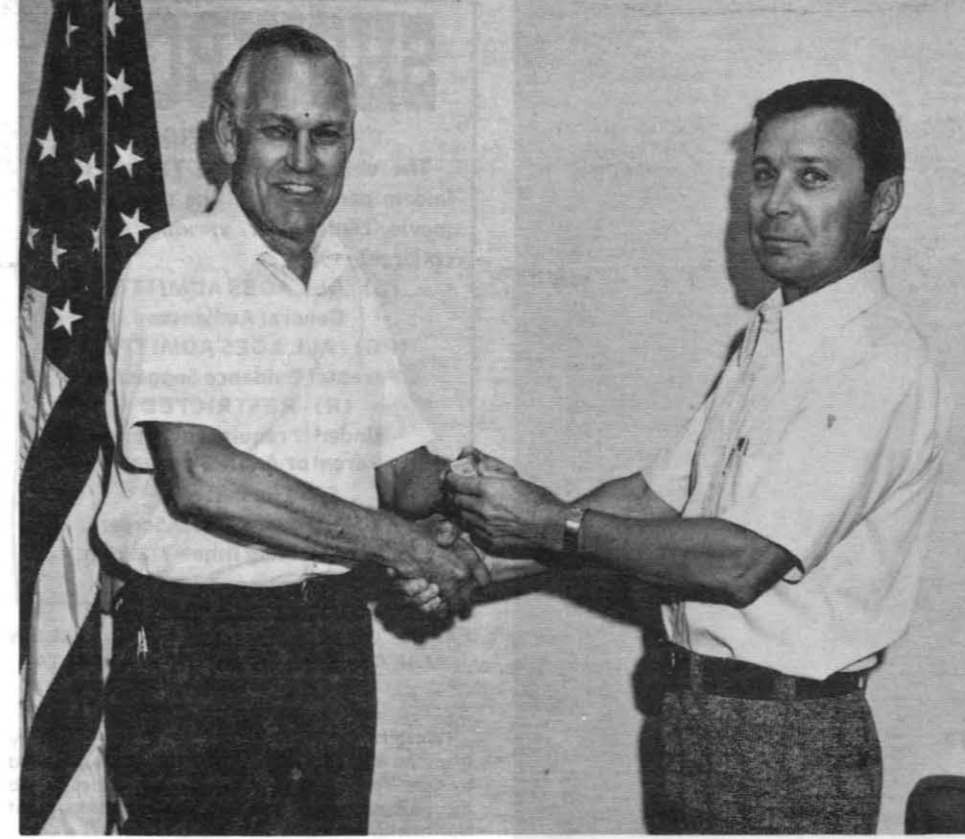
Ordnance Learner (Ammunition and Explosives), WG-6511-4 or Ordnance Worker (Ammunition and Explosives), WG-4502-5, JD No. 287 or 288, Code 2551 — This position is located in the Ordnance Division of the Supply Department. Performs a variety of repetitive manual and mechanical tasks in assembling, disassembling, loading ammunition, ammunition components and explosives, and in receiving, storage, and shipping of these items. Works on various types of ammunition and explosives including gun, chemical, bomb, mine, rocket, torpedo and pyrotechnic types. WG-4 is the trainee level. Minimum Qualification Requirements: Rating will be on basis of J-Element Standards in accordance with CSC X-118. Applicants must submit a supplemental experience statement; forms can be picked up in Room 212, Personnel Department. Advancement Potential: Ordnanceman (A&E-Misc.) WG-7.

File applications for the above with Claire Leeds, Bldg. 34, Rm. 212, Ph. 3271.
Electronics Engineer or Physicist, GS-11 or 12, PD No. 7435025, Code 35503 — This position is located in the Surface Development area of the Countermeasures Division, Electronic Systems Department. The incumbent is responsible for the design and development of signal processors, autofeek circuits, manual tracking controls and displays associated with fully operating radar systems. Interfaces subsystems with total radar systems and a PDP-11 mini-computer for automatic checkout and monitoring. Hybrid analog and digital circuitry is involved. Minimum Qualification Requirements: As defined in X-118. Job Relevant Criteria: Knowledge of hybrid analog and digital circuitry. Experience in radar system circuitry design. Experience interfacing mini-computers and radar systems.

Electronics Technician, GS-856-9 10 or 11, PD No. 7435110, Code 3544 — This position is located in the Missile Radar Branch, Electronic Warfare Division, Electronic Systems Department. Incumbent is responsible for converting designs furnished by project engineers into working breadboard and prototype model hardware. Duties include electronic circuit layout design and fabrication, package designs and fabrication, wiring and assembly, calibration and checkout of electronic circuits, evaluation tests and product improvement. Other duties include design and fabrication of cabling and wiring harnesses, hardware chassis, mounting fixture, component boxes and panels, construct and operate special instrumentation packages for use in flight test operations and calibrate and maintain shop test equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience with circuitry normally associated with active radar seekers (angle tracking loop, range track loops, automatic gain and frequency control, I.F. amplifiers and video processing). A good working knowledge of digital and analog design, layout and construction techniques. Capability of testing such circuits. File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2577.

Clerk (Typing), GS-301-2 or 3, PD No. 7384004 AM1, Code 8412 — This position is located in the Visitors' Branch of the Security Department. The branch is open every day between the hours of 0700 through 2200. This position consists of 8-hour shifts assigned during the above hours. Incumbent has entry control of temporary, casual, official, semi-official, commercial and foreign visitors to the Naval Weapons Center. Duties include processing of paperwork for passes, maintaining records of visitors, providing information and directions, assisting in performing vehicle registration duties and maintaining files. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to understand and follow security procedures and regulations. Must have typing skill. File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Pipe Coverer and Insulator, JD No. 205-1, WG-4203-10, Code 45334 — Incumbent covers boilers, pipes, tanks, refrigeration units and other objects with insulating materials to reduce heat loss or absorption, prevent moisture condensation, or deaden sound. Job Relevant Criteria: Reads and understands specifications, uses



RECEIVES 30-YEAR PIN — Franklin H. Knemeyer (at left), NWC's Deputy Technical Director for Strike Systems, was the recent recipient of a 30 year Federal service pin. The presentation was made by Leroy Riggs, former Acting Technical Director. Knemeyer's three decades as a Civil Service employee began with a three-year stint as a rocket training officer for the Commander, Air Force Atlantic Fleet, and time spent as a research officer at Johns Hopkins University Applied Laboratory and with the Navy's Bureau of Ordnance. He came to China Lake to work as a project engineer in 1948, and since then has taken on steadily increasing responsibilities until being appointed to his present position in June 1973. For 13 years, he was head of the Weapons Development Department.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Threat Development area of the Countermeasures Division, Electronic Systems Department. The incumbent is responsible for the design and development of surface-to-air fire control radar systems. Analyzes system characteristics, determines performance parameters, provides designs and directs hardware fabrication. Conducts trade-off analyses to optimize systems performance within cost goals. Interfaces hardware with computer simulation of associated weapons and a PDP-11 mini-computer for automatic system checkout and monitoring. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Requires a broad understanding of tactical missile systems, including radar systems. Ability to perform in depth analysis. Knowledge of system engineering in making system trade-offs.

Electronics Engineer, GS-855-11 or 12, PD No. 7435002, Code 35503 — This position is located in the Surface Development area of the Countermeasures Division, Electronic Systems Department. The incumbent is responsible for the design and development of signal processors, autofeek circuits, manual tracking controls and displays associated with fully operating radar systems. Interfaces subsystems with total radar systems and a PDP-11 mini-computer for automatic checkout and monitoring. Hybrid analog and digital circuitry is involved. Minimum Qualification Requirements: As defined in X-118. Job Relevant Criteria: Knowledge of hybrid analog and digital circuitry. Experience in radar system circuitry design. Experience interfacing mini-computers and radar systems.

Electronics Technician, GS-856-9 10 or 11, PD No. 7435110, Code 3544 — This position is located in the Missile Radar Branch, Electronic Warfare Division, Electronic Systems Department. Incumbent is responsible for converting designs furnished by project engineers into working breadboard and prototype model hardware. Duties include electronic circuit layout design and fabrication, package designs and fabrication, wiring and assembly, calibration and checkout of electronic circuits, evaluation tests and product improvement. Other duties include design and fabrication of cabling and wiring harnesses, hardware chassis, mounting fixture, component boxes and panels, construct and operate special instrumentation packages for use in flight test operations and calibrate and maintain shop test equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience with circuitry normally associated with active radar seekers (angle tracking loop, range track loops, automatic gain and frequency control, I.F. amplifiers and video processing). A good working knowledge of digital and analog design, layout and construction techniques. Capability of testing such circuits. File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2577.

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practical mathematics, makes templates, works with variety of materials. Knowledge of principles and methods of application of all insulating materials. Understand heat transfer, understand the danger and safety procedures for working in a power process plant. Knowledge of the three types of building releases and their use. Minimum Qualifications: As defined in CSC X-118C.

File applications for the above with Mary Morrison, Rm. 216, Code 654, Ph. 2292.

Job Opportunities

Bartender, NA 7441-3 (\$2.25 ph), PD No. 74EEMO 101, Code 8523 — (This is not a Civil Service job.) Incumbent mixes alcoholic / non-alcoholic drinks to order; delivers drinks, receiving payment or appropriate charge to members credit cards. May be required to serve catered parties, stock service bar, prepare garnishes, wash glasses and other bar equipment. Above duties are performed under close supervision of regular bartender or the Bar Manager. Job Relevant Criteria: (This is a training position.) Must have ability to do simple arithmetic and make proper change. Must be able to follow instructions and deal effectively with people; experience in preparing alcoholic beverages.

Bowling Equipment Mechanic — NA 4742-7 (\$3.43 ph), PD No. 7455 123 — (This is not a Civil Service job.) This position is located at the Bowling Center, Special Services Division. The incumbent installs, adjusts, repairs, overhauls and regularly inspects bowling facility electrical and mechanical equipment to include automatic pin-setters, automatic ball returns, telescope units, automatic ball cleaners and drill presses used in boring holes in bowling balls. Performs other mechanical and electrical work to bowling facility as time capabilities permit. Maintains required records and reports and performs other duties as assigned. Job Relevant Criteria: Incumbent must have a high school education or equivalent. Must have at least two years experience working as a bowling equipment mechanic. Must have experience with AMF bowling machines. Must have knowledge of operations of a bowling center and lane maintenance.

File applications for above with Tina Lowe, Ph. 2723, Bldg. 34, Rm. 206.

Police Also To Conduct Vehicle Safety Inspection

As part of its "roadside vehicle search" program that has been in operation for the past few months, Command has instructed the Security Department's Police Division to also conduct a brief safety inspection of vehicles.

The safety inspection will include a check of lights, brakes, windshield wipers, horn and tires. If officers observe a defect, they will advise the motorist, who will then be responsible for making necessary repairs. While this program gives evidence of Command's interest in safety, it is not designed to certify to the motorist that the vehicle is completely safe. The responsibility for operating a completely safe vehicle still rests with the motorist.

SAFETY SEZ:
Before engaging back, engage brain.

Employee In The Spotlight

"You might say I'm a kind of fireman," Rita L. Smiley, secretary to E. A. Walker, head of the Public Works staff, has a cartoon on her desk that shows a lot of people, carrying buckets of water, putting out small fires in every direction.

"That's really what a department staff does," Rita explained, "and I'm the chief fireman. We put out the smaller brush fires to make sure that a big conflagration doesn't start somewhere," she smiled.

Rita, who was born in Brockton, Mass., came to China Lake on a visit. Following her graduation from Brockton High School, she went to work for the Liberty Mutual Insurance Co. in that city. After three years, she travelled to China Lake (in 1955) to visit her sister, Jean, who was married to David Bulgarelli, an NWC employee.

She stayed and in September of that year she became an employee in the Propulsion Development Department's Magazine Branch. After a year, she married Earl W. Smiley, who is now the supervisor of the Public Works Department's Construction Support Branch.

"I stayed away from work four years to pay more attention to our daughter, Valerie (now 17)," Rita said. When she came back to work, it was for the PW Department in the Personnel Branch. In 1962, she began to perform her present duties.

Rita keeps records on all of the employees of the department. "There are 650 of them at the present time," she said. In addition, she keeps track of all of the department's in-

New Aviation Safety Officer at VX-5 Is Naval Academy Grad

Lt. Kenneth L. Pyle has reported to the Air Test and Evaluation Squadron Five to assume the duties of Aviation Safety Officer.

In addition, he will also fly the A6 Intruder aircraft for various projects. Lt. Pyle comes from the NAS Oceana, Va., where he was a

senior this coming fall at Burroughs High School and the Smileys are planning for the day when they can move onto a houseboat. "We'd like something about 35 ft. long, or more," Rita said. Earl loves to go deep sea fishing, and he and Rita enjoy living at the beach.

At the present time, Rita stays busy gardening and doing interior decorating work on their home in the El Dorado tract. She is a 157 average bowler and makes most of her own clothes. "Cooking is one of my pet hobbies, and I'll cook anything, anywhere," Rita pointed out.

The Smileys have an Airstream trailer and they do a lot of trailering, sightseeing, and camping. "Getting in practice for retirement," Rita laughed.

Floor Show, Hawaiian Menu Planned For COM Luau July 27

The annual luau will be staged by the Commissioned Officers' Mess on Saturday, July 27.

Drake Dierkhising, manager of the COM, has lined up an Islander show that includes 12 different acts, including a dance band. The festivities will begin at 6:30 p.m. and last until 1 a.m.

Price of admission is \$8 per person. Reservations can be made by calling 446-2549 or NWC Ext. 3105.

Chef John Appleby has prepared a tremendous buffet menu for the event, beginning with roast pig and barbecued spare ribs. Hawaiian chicken, sweet and sour pork, butter fly shrimp, beef shoyu and pineapple fruit logs for each table are guaranteed to whet the taste and soothe the palate of all who attend. In addition, many salads and desserts will be served.

The floor show, which will begin at 10 p.m., will be highlighted by a knife fire dance. Complimentary liquid refreshments will be served from 6:30 to 7:30.



Rita L. Smiley
centive awards — Beneficial Suggestions, QSIs, Outstandings, etc.

She was presented her first Outstanding rating this past spring, and she's also won three Quality Step Increases over the years. In addition to her normal duties, Rita sits in for Mary Neufeld in the Public Works Department office.

"I've been a supervisor in Federal service for 30 years and Mrs. Smiley got the first Outstanding rating I've ever given to a secretary," said E. W. Walker, Rita's boss, "which ought to say something for her abilities."

"She has a great potential for doing more than just secretarial work, and I expect to see her advance some day soon," Walker added.

Valerie will be a senior this coming fall at Burroughs High School and the Smileys are planning for the day when they can move onto a houseboat. "We'd like something about 35 ft. long, or more," Rita said. Earl loves to go deep sea fishing, and he and Rita enjoy living at the beach.

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The Rocketeer
Official Weekly Publication
Naval Weapons Center
China Lake, California
RAdm. Rowland G. Freeman, III
NWC Commander
Dr. G. L. Hollingsworth
Technical Director
C. E. Van Hagan
Head,
Technical Information Department
NWC
CHINA LAKE, CALIFORNIA
DIVINE SERVICES
PROTESTANT
Sunday Worship Service 1015
Sunday School — All Ages 0900
Wednesday Noon Bible Study 1130
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 4, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.
ROMAN CATHOLIC
MASS 1700 fulfills Sunday obligation
Saturday 0700 0830 1130
Sunday
BLESSED SACRAMENT CHAPEL
MASS 1135
Daily except Saturday 1135 1635
First Friday only
CONFESIONS 1545 to 1645
Saturday 0800 to 0825
Sunday
CCD CLASSES
Sunday Kindergarten thru 4th grades 1015
Wednesday Seventh and 8th grades 1900
Above classes are held in Chapel Annexes across from Center Restaurant.
As announced Ninth thru 12th grades
"In Home" Discussion Groups
Monthly Youth Rallies
Contact Chaplain's Office for specifics.
JEWISH SERVICES
EAST WING — ALL FAITH CHAPEL
Friday 1st and 3rd ONLY — (Sept. - May.) 2000
Sabbath Services
Saturday Sabbath School 0900
UNITARIANS
CHAPEL ANNEX 95
Services — (Sept. - May.) 1930
DEADLINES:
Tuesday, 4:30 p.m.
Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with Nav Exos P35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.
3254, 3355, 2347 Sunday

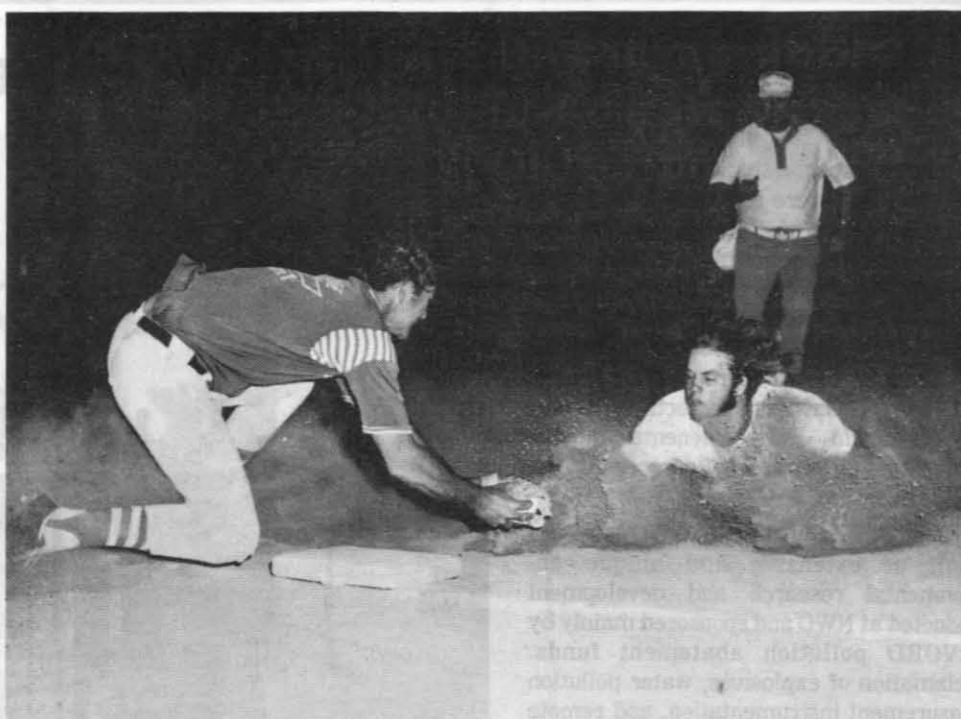
Cinderfella Places 3rd In National AAU 15 Km. Competition

"Cinderfella" is now a national track phenomenon.

Cinderfella is Dick Hughes, an employee of the Electronic Systems Department, who thinks that becoming a track star is something you do after you reach 35 years of age.

He began competition three years ago and has been bettering his own marks each year. On July 4, he entered the annual Southern Pacific National AAU (Amateur Athletic Union) championships at Santa Barbara and placed third in the 15 kilometer sub-masters run.

Hughes averaged 5 min., 43 sec. per mile. His overall time was 53 min., 20 sec. Winner of the race was Skip Shafer, who, like Hughes, also is a member of the Culver City Athletic Club.



YER OUT! — Jimmy Lee, team manager and short stop of the Bud Eyre softball team, prepares to put the tag on Ralph Stalaker, infielder for the Hideaway squad, at third base during the final game of the Fast Pitch Division season last Monday evening. The Hideaway won the game, 6-4, and squashed the Bud Eyre team's hopes of a second place finish in the division. In the background, Chief Ump Tom Fortney already has his thumb up for the out sign. —Photo by Ron Allen

GOLF LEAGUE STANDINGS

Following are the standings in the China Lake Intramural Golf League after nine weeks of play:

AMERICAN DIVISION		
Team	Won	Lost
Smoothies	33.5	20.5
Stingers	31.5	22.5
Vampires	30.5	23.5
NAF Hawks	27	27
Analysts	26	28
The Symposium	22	32
Fore Players	16.5	37.5
Nolo Contenderes	14.5	39.5

NATIONAL DIVISION		
Team	Won	Lost
Fuzaliers	34.5	19.5
The Bandits	33.5	20.5
Big Spenders	31.5	22.5
Bad and Ugly	30.5	23.5
TID	29.5	24.5
Short Knockers	28.5	25.5
Streakers	25	29
Prima Donnas	18.5	35.5

Youth Bowling Sign-ups

Sign-ups are currently under way for the Youth Center bowling league, which begins on Aug. 2.

The league, open to boys and girls of all ages, will compete on Friday mornings until Aug. 30. Carol Hape, manager of the Youth Center, has asked that all interested youths register early to avoid disappointment.

She also stated that openings are still available in the volleyball league, which got under way last Monday. This league will be a "fun league," and will be strictly informal.



FAST PITCH CHAMPIONS — Members of the Hideaway softball team pose with their trophies after winning the Fast Pitch Division of the China Lake Intramural Softball League. Kneeling, third from the right, is Frank Robinson, owner of the Hideaway restaurant in Ridgecrest, sponsor of the team. Batgirl Susie Hunsacker was presented with a motorcycle helmet by the team for her efforts during the season. Dick Clodt (kneeling, left) was the team captain. The squad finished with a 13 and 2 record for the season. —Photo by Ron Allen

Hideaway Fast Pitch Champs; Bud Eyre Squad Loses Bid for 2nd Place

It's official . . . The Hideaway softball team is the 1974 champion and the Roaches contingent finished in second place in the Fast Pitch division of the China Lake Intramural Softball League.

However, the runner-up spot wasn't

IWV Youth Football Sign-ups Planned At Kelly Field Saturday

Sign-ups will be held tomorrow from noon to 5 p.m. at Kelly Field on the Murray School campus, and at Ridgecrest Park during the same hours, for the IWV Youth Football League, scheduled to get under way on Aug. 24.

In addition, a final registration period will be held on Saturday, Aug. 3, at both locations.

A fee of \$3 will be charged at registration time. An additional \$12 will be asked when uniforms are picked up. Any family with more than two youngsters signing-up for the league will pay for participation by only the first two.

Registration is open for boys 8 years of age on up through the eighth grade.

Persons with questions may contact John Cleveland, league president, by calling 375-2367.

decided until last Monday night. The Bud Eyre entry, managed by Jimmy Lee, still had a crack at second place and the Roaches were not a shoo-in, as reported to The ROCKETEER by the Special Services Division in last Friday's issue of the paper. All the Bud Eyre nine had to do was win three games to edge the Roaches for second place, but alas, it was not to be. Bert Andreasen gave up 12 hits and 5 runs last Monday evening to the Roaches as he pitched the Bud Eyre squad to an 8-5 victory in the first game of a twin bill. The win by Bud Eyre made a game between the automobile boys and the Hideaway team necessary in the nightcap.

Unfortunately, Andreasen couldn't hold the league title holders, and the Bud Eyre squad went down in flames, 6-4.

Final standings show the Hideaway team winners with 13 wins and 2 losses, while the Roaches finished with a record of 10 wins and 5 losses. Bud Eyre garnered the third place spot with 8 wins, 6 losses and a tie.

The final standings of other Fast Pitch Division teams were the NAF Hawks, 8 and 6; Sierra View Motors, 4 wins, 10 losses and a tie, and the cellar-dwellers, the VX-5 Vampires, who lost all 14 games they played.

China Lake To Host Invitational Fast Pitch Tournament

A minimum of 16 softball teams, from as far north as Bishop and Hawthorne, Nev., and as far south as Orange County, will participate in the second annual China Lake Invitational Softball Tournament, to be held on July 26, 27 and 28 at NWC.

"These are all fast-pitch, Class AA teams, with plenty of good pitchers and hitters on their staffs," said Bill Nicol, NWC's athletic director and organizer of the tournament.

"A field of 16 teams, and there could be more, will mean playing a minimum of 35 games," Nicol pointed out. "In order to do this, we will be utilizing three playing fields — Reardon, Schoeffel and the Pony League diamond," he added.

Both the all-civilian varsity team, and its all-Navy counterpart, are entered in the competition from China Lake. "A complete schedule of game times and locations is not yet available. We will have to wait until all of the entries are in, but we are excited about having one of the best fields yet in a tournament of this kind," Nicol commented.

The ROCKETEER will carry the information about tournament game times as soon as it is available.



By Jack Lindsey

Three solid days of fast-pitch softball are on tap this weekend for NWC residents. The 1974 Mojave Desert Inter-Service League softball tournament will begin today at 4:30 p.m. at both Reardon and Schoeffel diamonds.

The Naval Weapons Center will be represented by the all-civilian varsity team, managed by Rich Clodt. Also on the team will be five players from the all-Navy varsity team, headed by Chief Jim Brown. The Navy players are Gary Potteiger, Brown, George Baland, Al Olsen and Barry Olson.

Civilians Defeat Navy

The civilian squad won both ends of a double-header against the Navy team on July 3 for the right to represent NWC in the MDISL competition. The losers were able to make the team through selection by the winning manager—in this case, Clodt. Final scores were 7-3 and 5-2, in favor of the civilians.

First on the slate of games this afternoon will be a contest between Los Angeles Air Force Station and Norton Air Force Base, the defending champs. They will play at Schoeffel Field. On tap at Reardon Field at the same time (4:30 p.m.) will be Edwards AFB against Barstow Marine Corps Supply Center.

At 6:30 p.m., NWC will meet George AFB at Reardon, while the 29 Palms Marine Corps Base will go up against Nellis AFB at Schoeffel.

Action will continue on Saturday, beginning at 10 a.m. at both locations. The games at noon will also be played on both diamonds.

Reardon Field Schedule

Then, at 2 p.m., and from then on, all games will be at Reardon Field. The tourney will continue on Sunday, beginning at 1 p.m., with the championship game slated for 3 p.m. In the event a team from the losers' bracket wins the 3 p.m. game, then a final championship contest is scheduled at 5 p.m. on Sunday.

This promises to be three exciting days of first-class softball. Bill Nicol and his staff deserve a lot of credit for the preparations in getting such a tournament ready. Jimmy Lee's groundskeeping crew also should be acknowledged for a lot of hard, diligent work.

VX-5 Slo-Pitch Team To Enter 11ND Event

Air Test and Evaluation Squadron Five will enter a team in the annual 11ND Northern District Slo-Pitch softball tournament, to be held at the Long Beach Naval Station, July 15-19.

The team, the VX-5 Vampires, is managed by Tom Hill, who is also a pitcher and third baseman on the squad. The Vamps are currently competing in the China Lake Slo-Pitch League, and have won five games while losing seven in local competition.

Hill hopes to pick up another pitcher from the Naval Air Facility Hawks prior to competing at Long Beach.

DoD Increases Travel Pay For Military Moves

As of Monday, July 1, military personnel traveling by privately owned vehicle (POV) on either a permanent change of station (PCS) or temporary duty status (TDY) will receive an increased mileage allowance as a result of a Department of Defense decision.

The increase will pay military personnel 8 cents per mile instead of 6 cents for a PCS move. In addition, a sponsor will receive 7 cents a mile for dependents over 12 years of age on a PCS move. The former rate was 6 cents. The old rate for dependents 2-11 years old was 3 cents per mile. The new rate will increase that payment by 1/2 cent a mile.

There will be no limit on the total amount of payment military personnel can receive for their dependents on a PCS move under the new policy, as opposed to the previous 18 cents a mile limit.

Those traveling by private vehicle on TDY status after July 1 will receive 7 cents per mile, compared to the previous 5 cents per mile standard. The previous statutory 7 cents per mile rate for TDY travel by private vehicle, when it is more advantageous to the government, will remain in effect.

The new rates are contained in a change to Volume I of the Joint Travel Regulations, distributed in April.

Local Congressman Asks Naval Academy Hopfuls To Write

Young men between the ages of 16 and 21 who are interested in applying to the U. S. Naval Academy for the class entering in July 1975 are advised to write to Congressman William Ketchum, 36th District Representative, as soon as possible to request a nomination to Annapolis.

Since there are many sources for nomination to the Naval Academy, there is a local contact, Cdr. Richard D. Malone, USNR, the Blue and Gold officer for this area.

Not only is Cdr. Malone familiar with all admission requirements for the Naval Academy, but he also has information on the various types of nominations available, sample letters of application, and answers to questions about admission.

Cdr. Malone, who can be contacted at 647 Sonja Court, Ridgecrest, ph. 375-9485, also noted that the College Entrance Examination Board, or the American College Testing Program tests, must be taken for inclusion with applications for admission to Annapolis.

July Bluejacket . . .

(Continued from Page 1)

Indianapolis, Ind., before blowing an engine.

He enjoys participating in all sports — especially tennis and paddleball — and will watch any sport, either in person or on television.

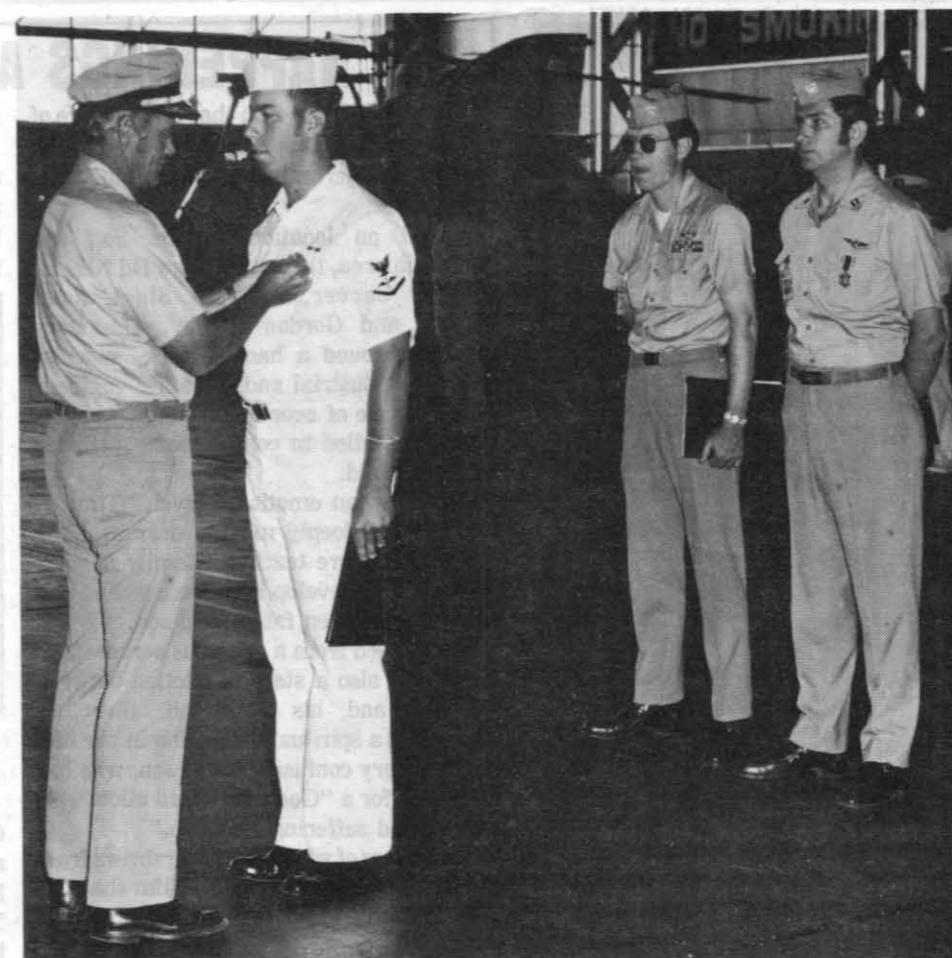
Maria, who is expecting the couple's first child in October, is presently learning to bowl. She is a gifted seamstress and enjoys knitting and crocheting. "She's a great cook, too," said her husband.

"I have one other interest," Brown said. "I'll fly the back seat of an aircraft any chance I get. That's the greatest," he said, enthusiastically.

APAM Contract . . .

(Continued from Page 1)

The system was designed and developed by NWC's Conventional Weapons Division of the Propulsion Development Department. Milton K. Buford was program manager for development prior to transfer of responsibilities to the Engineering Department's Fleet Engineering Division.



CITED FOR MERITORIOUS ACHIEVEMENT — Capt. R. S. Moore (l.), Commanding Officer of the Naval Air Facility, pinned the Navy Commendation Medal on the blouse of ADJ3 Charles R. Cass during morning quarters at NAF recently. In the background, Lt. John C. Macidull (l.) and Lt. Joseph N. Killinger stand after being similarly cited. Lt. Macidull, the pilot, received a gold star in lieu of a second Air Medal, while Lt. Killinger received the Navy Commendation Medal. The awards were presented to the three men for their actions while crew members aboard a NAF HH-1K helicopter during a rescue mission on Christmas Day 1973. The three were part of a successful rescue of a stranded hiker injured during a climb on Mt. Whitney. Also on the helicopter were three members of the China Lake Mountain Rescue Group. —Photo by ADJ3 Bill Brooks

Project Managers Urged To Attend Class

All project management personnel, including those responsible for new projects, systems development and research and development are encouraged to attend a project management course that has been scheduled at the Training Center on Aug. 8-9 and 12-13 between the hours of 8 a.m. and 4:30 p.m. each day.

The course will be taught by Merrill W. Buckley, Jr., who, in recent years, has developed new methods and systems for increased management control for both large and small projects.

His background also includes serving as manager of logistics planning for the land-based Talos missile system, and manager of logistic and technical support for the Atlas launch control and weapon checkout systems, as well as similar work in highly responsible positions.

Among topics to be covered during this four-day course are: The basic project management cycle, project management

organization and policies, developing and implementing the project plan, briefing top management, and computer support of project management.

Nominations for attending this course should be submitted on an NWC enrollment form in order to reach Code 654 no later than Aug. 2.

GEBA Assessment Due

Assessments are now due from members of the China Lake Mutual Aid Society and Government Employees Benefit Association following the recent death of Mrs. Ethel Hurt.

Mrs. Hurt, 65, a former Center employee who had retired from Code 4571, died on June 29 in Santa Barbara.

CLMAS and GEBA members are asked by Larry Mason, secretary, to contact the collectors in their work areas in order to pay this latest assessment.

Dr. Hollingsworth To Address Meeting Of IEEE on July 22

Dr. G. L. Hollingsworth, NWC's new Technical Director, will be the guest speaker and installing officer at a luncheon meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers on Monday, July 22.

The Technical Director will discuss the IEEE and the electronics/electrical engineer relationships at Naval laboratories. He will relate the EE image to the various types of laboratories, their purpose and defined framework.

During the luncheon, Dr. Hollingsworth will install the 1974-75 slate of officers for the local section of IEEE.

They are Dr. H. W. Swinford, an electronics engineer in the Electronic Systems Department's Missile Radar Branch, who will be chairman; D. R. Brown, a design engineer in the Fuze Department, who will be installed as vice-chairman; G. J. Auger, head of the Missile Radar Branch, secretary, and J. E. McGuire, an electronics engineer in the Weapons Development Department's Advanced Aircraft Systems Program, treasurer.

Visitors are welcome to attend.

Motorcycle Riders Required To Wear Helmets, Goggles

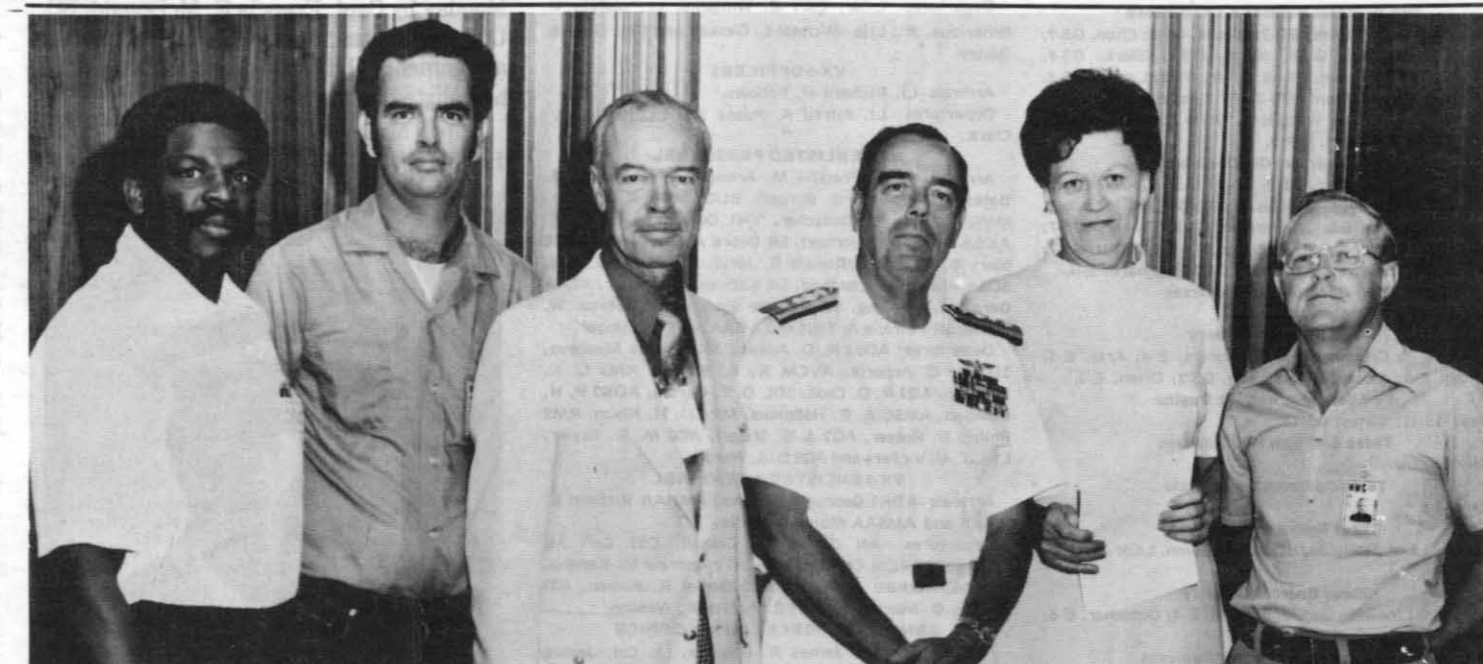
Police Division personnel recently have observed a number of violations of the NWC Instruction that makes it mandatory for motorcyclists riding on board the Center to wear a helmet and either a face shield or goggles, it was reported this week by Steve Kaupp, chief of police.

The same regulations also applies to any passenger on the motorcycle, Police Chief Kaupp emphasized.

Helmets meeting approved American National Standards Institute requirements can be obtained by military personnel and their dependents through the Navy Exchange retail store. The NWC Safety Department also carries a supply of approved helmets for sale on a non-profit basis that are available to all Center personnel.

It also is urged that reflective tape be applied to all helmets to aid motorists in seeing motorcycle riders at night. This tape can be obtained from the Safety Department's Safety Equipment Issue Store, or from the Naval Air Facility or Air Test and Evaluation Squadron (VX-5) ground safety officers.

As an additional means of increasing their visibility to motorists, it is further recommended that motorcyclists drive with their headlights on at all times.



EEO COMMITTEE APPOINTMENTS MADE — Four Center employees last week received appointments from Rear Admiral Rowland G. Freeman III, NWC Commander, to serve on the Equal Employment Opportunity Committee. Shown with Bob Briley (at left), the EEO Coordinator, are the new appointees with RADM. Freeman (in center). They are (on left) Joseph Martin, from the Engineering Department, and Fred Davis, of

the Research Department, and (on right) Mrs. Jessie Copeland, of Central Staff, and W. R. Haftabaugh, acting head of the Test and Evaluation Department. The latter replaces C. E. Van Hagan, head of the Technical Information Department, as chairman of the EEO Committee. Others who also have retired from the Center's EEO Committee are Alonzo Brooks, Lloyd Clark and Joanna Gniwewk. —Photo by Ron Allen



SENIOR BUILDER RETIRES - Senior Chief Builder Walter W. Hagen (l.), was presented an NAF Plaque by Capt. W. H. Sturman, NWC's Public Works Officer, during a retirement ceremony for the chief held recently. In addition, Chief Hagen was given a letter of appreciation from Capt. Sturman citing his leadership in the Self-Help Program at NWC since his arrival here in July 1973. Chief Hagen was the Center's first Self-Help Project Officer. The 24-year veteran of the U.S. Navy came to China Lake from U.S. Naval Station, Adak, Alaska. Although he hails from Newfield, N.J., Hagen will live in the Indian Wells Valley. He and his wife, Geneva, have two children living at home. They are William, 11, and Catherine, 8. The couple also have an older daughter, Gayle. -Photo by Ron Allen

HAIL AND FAREWELL

For the month of June 1974
NEW ARRIVALS - CIVILIAN
Code 00-Virginia R. Smith; Code 12-William K. Dean and Myron H. Tichenor; Code 17-Ila F. Powers; Code 171-Alice S. Harbail; Code 1742-Diane B. Murray; Code 1862-Norman D. Osmon; Code 2521-Gary J. Meade; Code 25924-Kathleen W. Jacobs and Nina W. Svitek; Code 3113-John N. Milliken, Jr.; Code 3115-James S. Smith; Code 3335-Edward K. Tipler; Code 3352-James V. McVay; Code 3354-David L. Riggs; Code 3371-George N. Hennings and Richard K. Perrine; Code 3372-David O. Anders, Raymond E. Berghold and Susan M. Sturdy; Code 3546-Bobby D. Connor; Code 3551-Thomas L. Schultz and Anthony H. Taylor; Code 3552-Bary D. Ridenour; Code 5123-Garyl D. Smith; Code 5151-Joe Y. Yee; Code 5152-Stephen E. Hogan; Code 5522-Robert B. Leonard; Code 5532-William B. Homer; Code 5531-John P. Taggart; Code 5532-Gerald E. Powell; Code 5545K-Harvey I. Klettle; Code 55503-James L. Dorrell; Code 5555-Floyd W. Yings; Code 6521-Joyce B. Allen, Sally D. Skount, Kristi J. Bowling, Diane L. Boyack, Donna G. Gage, Marilyn L. Petrosie, Deborah L. Puckett and Beverly A. Russell; Code 6522-Michael H. Chan and Frank J. McCormick; Code 70411-Donald R. Carlie; Code 70432-Sterling H. McCaughan; Code 84122-Luella J. Gaffney; Code 84213-Michael W. Gregory; Code 84223-Roger D. Moorehead; Code 855-Wilton L. Wyman; Code 8552-Mary S. Nielsen.
CIVILIAN-DEPARTURES
Code 04-Harold Metcalf; Code 173-Josephine N.

Housing Assignm'ts

Houses assigned during June, 1974.
"O" Bedroom Apartment
Sinclair, E-1; Hartzell, WG-5; Worthman, E-3; Norberg, GS-4.
Two Bedroom Normac & LeTourneau
Doud, GS-4; McCauley, EQ-2; Blount, GS-4; Chun, GS-9; Lacey, GS-9; Leon, GS-4; Keith, GS-4; Stark, GS-9; Manzano, E-5; Durham, GS-10; Fifer, GS-3; Lacey, EQ-3; Embree, WG-5; Wassom, WG-7; Phillips, EQ-2; Coughlin, GS-7; Curran, WG-8; Wetstein, GS-7; Lawless, GS-12; Oidfield, WG-5; Baker, WF-9.
Two Bedroom Old Duplexes
Maki, GS-9; Tishner, GS-9; Carr, E-5; Rioux, WG-10; Bruce, GS-7; Moody, E-4; Fung, GS-11; Orr, GS-7; Homer, GS-7; Lillywhite, EQ-12; Perrine, GS-7; Taker, GS-7; Bailey, GS-7; Connor, GS-7; Leblanc, GS-12; Moffitt, GS-7; Lewis, GS-5; Holewa, E-4; Chan, GS-7; Bernard, E-4.
Two Bedroom Hill Duplexes
Riffenour, Lt. McVay, GS-12.
Two Bedroom Wherry
Lewis, E-3; Coughman, E-3; Sanders, E-4; Artz, E-5; Pawling, E-2; Moore, E-4; Joseph, GS-2; Olsen, E-3.
Two Bedroom Normac Duplex
Gay, GS-12; Gates, GS-11.
Three Bedroom Hill Duplexes
Norrick, Lt.
Three Bedroom Wasp Circle
Kern, Lt.
Three Bedroom Panamint
Fellow, L.Cdr.; Peiguus, L.Cdr.; McGuinn, L.Cdr.; Miller, Major.
Three Bedroom Wherry
Gan, E-4; Lineweaver, E-5; Somera, E-4; Doeschler, E-6; Krueger, E-5; Lee, E-5; Phil, E-5.
Three Bedroom Normac Duplexes
Nuyland, GS-12; Jarvi, E-6; Taggart, GS-7; Ehle, E-6; McCormick, GS-7.
Four Bedroom Panamint
Smith, Cdr.
Four Bedroom Wherry
Nepomuceno, E-5.
Four Bedroom Joshua
Manus, E-7.
Four Bedroom Normac
Hawkins, GS-12; Schuchman, WG-9; Alvarado, WG-11; Viltalba, GS-4; Chadwick, WS-10; Levy, E-6.

HAPPENINGS AROUND NWC

"Time to Run," a film that is a mixture of problems and solutions, will be shown at the All Faith Chapel tonight and tomorrow night at 8 o'clock.

Filmed on location in the Southern California area, the movie stars Ed Nelson, Randall Carver, Barbara Sigel, Joan Winnill and Gordon Rigsby. The story revolves around a hard driving, success-oriented, industrial and scientific engineer who, because of over-involvement with his work, has failed to communicate with his wife and child.

Viewed on an emotional level, "Time to Run" is the deeply moving drama of the conflicts that are tearing a family apart - conflicts that develop between husband and wife, and between father and son.

Approached from a religious perspective, the film is also a story of friction between the son and his girlfriend. She has discovered a spiritual dimension in her life, which is very confusing to the son, who has little time for a "God who would allow war, hatred, and suffering on earth."

Regardless of what the viewer draws from the film, "Time to Run" is a film that can help strengthen love relationships between people. It is made for families to see together.

There is no admission charge.

Slide Show About Russia

Dr. Slod Spears, former superintendent of the China Lake Elementary School District, will present a slide show on his recent trip to Russia at the Commissioned Officers' Mess on Wednesday, July 17.

The COM will be featuring beef stroganoff and borsch soup in the dining room to get viewers of the slide show in a Russian mood. The presentation by Dr. Spears will begin at 8:30 in the Mojave Room.

Special Workshop Planned

A one-day workshop in transactional analysis, sponsored by the Desert Counseling Clinic, will be held from 10 a.m. to 6 p.m. on Sunday, July 21, at the United Methodist Church in Ridgecrest.

The instructor will be Dr. Louis Paul, a DCC psychiatrist, and will be based on the "psychology of human relationships," originated by Eric Berne, M.D.

There is a charge of \$10 per person for attending the workshop, and reservations, which are due no later than Monday, July 15, can be made by sending checks, payable to the Desert Counseling Clinic, to: Marj Boeh-

me, P.O. Box 5246, China Lake. Further information can be obtained by calling 446-5586. Recommended reading for those planning to attend the workshop is Berne's book, "Games People Play," which is available in a paperback edition.

Veterinarian To Visit

Active duty military personnel at the Naval Weapons Center are reminded that the veterinarian from the Naval Air Station, Lemoore, will be at the NWC Dispensary garage on Tuesday to administer rabies and distemper shots to pets.

Times of the clinic are from 9 to 11:30 a.m. and from 12:30 to 2 p.m. The fees are \$4 for distemper shots and \$3 for the rabies inoculation.

Union Pact Copies Available

The Indian Wells Valley Metal Trades Council has announced that copies of the recently negotiated agreement between the Naval Weapons Center and the Metal Trades Council are available for ratification by MTC affiliates.

Copies of the agreement will be available in the council office at 65 Halsey Ave., Monday through Thursday after 4:30 p.m.

Naval Academy Prep School Slated To Move To Newport

Secretary of the Navy William J. Middendorf, II has announced that the Naval Academy Preparatory School in Bainbridge, Md. will move to Newport, R.I. The relocation will begin next month and is scheduled to be completed by the end of September.

The school, which prepares selected enlisted personnel of the Navy and Marine Corps to attend the Naval Academy at Annapolis, will become a department of the Naval Education and Training Center, Newport. About 300 students attend the ten-month course each year.

This planned move is part of the Navy's Shore Establishment Realignment Program, designed to consolidate similar functions wherever possible.

New NWC Director of Supply To Take Over Duties Monday

Duties of Director of Supply for the Naval Weapons Center will be taken over on Monday by Capt. Francis E. McDonald, SC, USN, who has served in a variety of assignments—both afloat and ashore—since he enlisted in the Navy in 1946.

Capt. McDonald replaces Capt. T. R. Hendershot, who left China Lake on May 17



Capt. Francis E. McDonald

for duty as Supply Officer at the Pearl Harbor Shipyard. During the interim, Cdr. R. B. Nygaard has been serving as the Center's acting Director of Supply.

A graduate of the U.S. Naval Academy Class of 1952, Capt. McDonald also has a master's degree in financial management from George Washington University. Most of Capt. McDonald's assignments have been in the fields of procurement of financial management.

Among Capt. McDonald's previous tours of duty have been assignments at the Pearl Harbor Naval Shipyard, the Ships Parts Control Center, with the Office of the Secretary of Navy, and at the Naval Ordnance Station in Forest Park, Ill.

In the past, Capt. McDonald also served on the Staff Naval Air Force, Pacific Fleet, and, at various times, was Supply Officer of the USS Beneath, a self-propelled barracks ship; the USS Soley, a destroyer, and also was Supply Officer of the USS Dale, a guided missile frigate, at the time of its commissioning.

NWC's new Director of Supply will be accompanied to China Lake by his wife, Jacqueline, formerly of Hingham, Mass., and their three youngest daughters—Nancy, Carol and Christine. The oldest of the McDonald's four daughters, Patrice, lives in San Diego and attended San Diego State College.

Environmental Protection Programs Win SecNav Award

(Continued from Page 1)
bonded explosives. Material assistance for submission was also provided by Dr. Sheldon Elliott, in the Earth and Planetary Sciences Division of the Research Department; George Linstead, of the Technology Utilization Office in the Propulsion Development Department, and by Tilly Barling, of the Natural Resources Management Office of the Public Works Department.

Information Widely Disseminated
A major accomplishment of the Environmental Engineering Office has been the publication and public release of, "A Survey and Evaluation of the Environmental Impact of Naval Weapons Center Activities," NWC TM 2426. This evaluation of the environmental impact of the Center's day-to-day activities is being widely disseminated to make the information it contains available not only Navywide, but useful to other branches of the military service, and public health officials. Copies are available from the Defense Documentation Center or the National Technical Information Service.

The Navy is funding the Environmental Engineering Office this year to develop the methodology used in the report for Navywide use. As part of its pollution abatement activities, the Center has worked to insure compliance with appropriate federal and local pollution regulations. In response to a Kern County Air Pollution Control District request, the Center provided a total inventory of all county air pollution sources. NWC collects ambient air quality data for the Kern County APCD at no cost.

In order to insure compliance with all federal environmental quality standards, the Center has also outlined a special acquisition program for equipment scheduled to be obtained in Fiscal Years 1975 and 1976 in order to provide improved air and noise pollution monitoring capability.

Noise Sources Investigated
NWC has aggressively investigated sources of community noise, including those caused by aircraft operation, explosions and off-road vehicles. Included in this effort was an intensive community noise study conducted in the housing area at China Lake, and a preliminary survey of noise generated from explosions is being continued at NWC.

The NWC Environmental Impact Assessment Program provides for a comprehensive environmental review program covering military construction projects, as well as major research, development, test and evaluation projects at the design review stage.

In the area of related investigations in environmental and ecological fields, Mrs. Barling, the NWC natural resources specialist in the Public Works Department, is assisting the U. S. Geological Survey in studies of the effects of drought on Mojave desert vegetation, while seasonal and annual production of range forage is surveyed and recorded for a long-range evaluation of trends in vegetative productivity in cooperation with the Bureau of Land Management.

Cooperated With DFG
In connection with a California Department of Fish and Game study on herb and annual vegetative production, a one-acre enclosure has been installed to collect data on seasonal production of annual plants and herbs on land protected from use by large animals, such as domestic cattle, wild horses and burros.

In addition, the list of Navy-funded environmental protection projects for 1974 includes an evaluation of burro populations and their effects on land within the boundaries of the Naval Weapons Center. This particular study is being conducted under a contract awarded to the firm of Environmental Consultants, Inc., whose experts are studying the effect of about a century of wild, free-roaming burros on the natural ecosystems of desert lands occupied

by NWC. Among the special studies and community programs that were included in the report which garnered the SecNav's 1974 Environmental Protection Award were those covering NWC's quick action to achieve immediate reductions in energy consumption, the installation of special bicycle lanes on a main thoroughfare of the Center, and the cooperative projects of Navy Seabees from Port Hueme in improvements at key recreation areas on the NWC ranges.

Winning of the award by NWC is also a result of extensive and unique environmental research and development conducted at NWC and sponsored mainly by NAVORD pollution abatement funds. Reclamation of explosives, water pollution measurement instrumentation, and remote air pollution measurement systems are the principal projects. Data from these efforts are used throughout the Department of Defense.

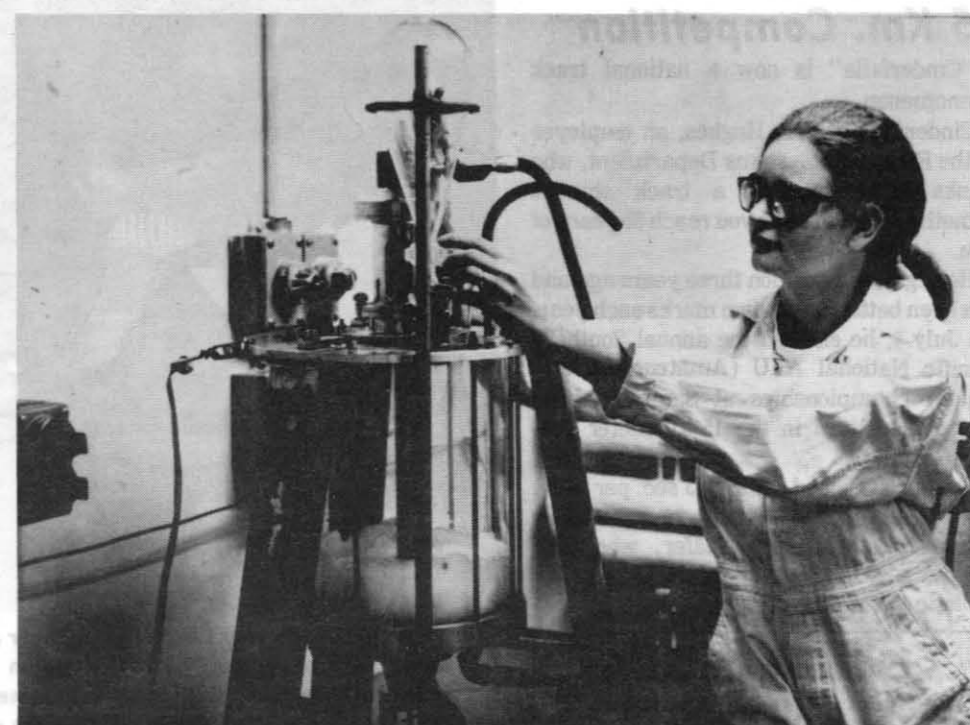
Navy-Funded Projects

Navy-funded projects conducted during Fiscal Year 1974 included work in applied polarography that was carried out by Gerry Whitnack, a chemist in the Research Department. Polarography is an advanced electrochemical method of analysis that can be used to determine undesirable components of fuels, propellants and explosives that may end up in the environment.

Dr. Harold Gryting, associate head of the Propulsion Development Department's Applied Research and Processing Division, has been involved in the recovery and recycling of plastic bonded explosives. Dr. Gryting, the principal investigator, is working with associate investigators Lois Dahlberg, a chemical engineer, and C. W. Falterman, a chemist, both in Code 4541, and Wallace Silver, a chemical engineer in Code 4543.

This same foursome joined a NAVORD-sponsored survey carried out by NWC that was aimed at determining both the nationwide Navy pollutant problems from propellants, explosives and pyrotechnics, and proposing and initiating solutions to such problems.

Other research being carried out with the use of Navy pollution abatement funds is being done by Dr. William McBride, head of the Research Department's Inorganic Chemistry Branch, and by Roger Miller, a chemical engineer in the Explosives Branch of the Propulsion Development Department. Dr. McBride is working on the sensitivity and characterization of selected liquid ammonia systems, while soluble binder



A METHOD OF recovering and recycling plastic bonded explosives is being carried out by personnel of the Propulsion Development Department's Applied Research and Processing Division. This eliminates the need for burning old, unusable explosives and propellants which release soot and particulates into the atmosphere when they are destroyed by fire. Lois Dahlberg, one of the associate investigators involved in this effort, is shown operating a mixing machine used to reformulate ingredients into specification grade plastic bonded explosives.

explosives is the subject being explored by Miller.

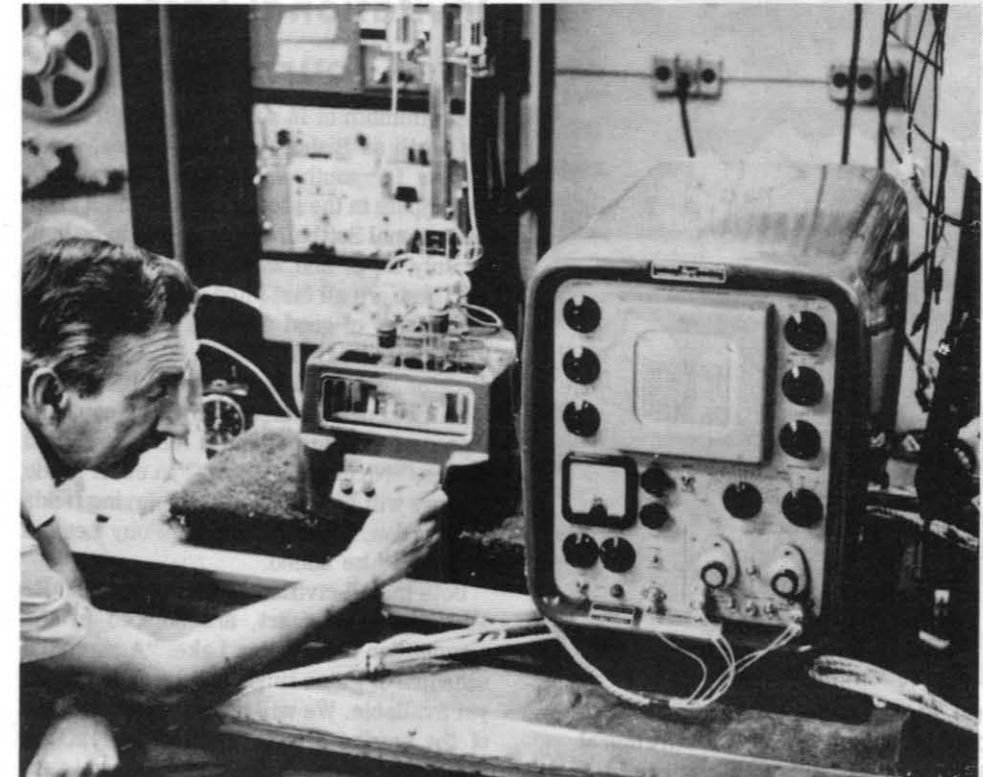
In addition to Navy-funded environmental protection projects, there is a Total Energy Community Program for development of a plan to ultimately supply, through local resources, all energy needs of a community. This effort is directed by Dr. G. W. Leonard, head of the Propulsion Development Department.

Also summarized in the award winning report are several non-Navy funded projects conducted by NWC.

As part of a project sponsored by the California Air Resources Board, NWC is participating with Meteorology Research, Inc., in a continuing study of highly polluted urban atmospheres. Used in this work are a specially-instrumented mobile van and a project aircraft that takes vertical soundings to supplement the ground air sampling network.

Principal investigator for this study is Paul Owens, a physicist in the Technology Utilization Office, headed by Linstead. Associate investigators are Peggy Davis, a physicist, and A. Raymond Kelso, an electronics technician.

The U. S. Air Force is sponsoring an NWC rocket engine exhaust air pollution study. In this case, the principal investigator is Dr.



ENVIRONMENTAL PROTECTION work carried out by Center personnel also extends out to sea. In this photo, taken on board the USS Gibbs, a Naval research vessel, Gerry Whitnack, a chemist in the Research Department, is using a single sweep polarograph (at right) for monitoring trace constituents in sea water.

Melvin Nadler, a research chemist in the Propulsion Development Department's Applied Science Branch.

Another of the non-Navy funded projects carried out during Fiscal Year 1974 was work on the generation of atmospheric tracers. This was carried out using money provided by the National Science Foundation, the Atomic Energy Commission, and the State of Illinois. Pyrotechnics and solution combustion devices were developed at China Lake for the generation of lithium carbonate, lithium chloride and indium oxide tracer aerosols to study air pollution movement.

Other Related Work Cited
The report prepared by Outimette for submission as a candidate for the SecNav's 1974 Environmental Protection Award also cites a number of related investigations in the environmental and ecological fields that were carried out on Naval Weapons Center land through informal, cooperative arrangements between NWC and various universities, as well as other government agencies.

The foregoing include an on-going study of movement along the Garlock fault that lies within the Center's boundaries. Caltech's Seismological Laboratory, the U. S. Department of Interior's Geological Survey, and the National Center for Earthquake Research are all involved in this study. Center personnel lending their assistance are Dr. Pierre St-Amant, head of the Research Department's Earth and Planetary Sciences Division, and Dr. Carl Austin, head of Code 60's Petrodynamics Branch.

Local contact is provided by Dr. St-Amant and Dr. Austin for geologic investigations of the Argus Mountain Range, being carried out by a University of Washington graduate student and the U. S. Geological Survey, and studies of the Coso Range and the Coso Basin Geothermal Area that involve the Colorado School of Mines and graduate students from California Polytechnic College and the University of California at Santa Barbara.

California - State University Long Beach, Cal-State Fresno, the Los Angeles County Museum of Natural History, Cal-State University Northridge, the California Department of Agriculture in Fresno, and the U.S. Geological Survey's Paleontology and Stratigraphy Branch all were included among institutions of higher education or government agencies mentioned in the NWC Environmental Protection Award report because of related investigations in both environmental and ecological fields being carried out at NWC.