



LAST BARRIER FALLS — The ribbon closing off the China Lake Players theater in the old Station Restaurant building is cut by Ralph Vuono and Susan Cragin, vice president and president of that group, respectively, at the Players' open house last Friday night. Members of that group have spent the past several months rehabilitating their part of the building to meet their needs. — Photo by Don Cornelius

Now is time to get physicals for start of new school term in Sept.

Appointments can now be made for physical examinations of youngsters who will be entering kindergarten or the first grade when the new school year begins in September.

In the case of dependents of military personnel, such exams are being handled at the local Branch Medical Clinic.

Two clinic visits are required to complete the physical exam. On the first visit, immunizations will be done. During the second visit, a doctor will complete the remainder of the physical exam.

This year, children must be immunized before they are registered for the fall. If the child was immunized more than three years prior to the time he or she will be enrolled in the first grade, then up-to-date immunization will be necessary.

Everyone can share in goodies Tuesday at ice cream social

The up and coming ice cream social offers China Lake residents one of the coolest (and tastiest) ways to beat the summer heat.

The annual event, sponsored by the Protestant Women of the Chapel, will be held on Tuesday, July 20, from 6 to 8:30 p.m. on the lawn at the All Faith Chapel.

Ice cream, homemade cake or pie, coffee, tea and punch will be available for donations of \$2 for adults and \$1 for children 11 years of age or younger.

Tickets to the ice cream social can be obtained in advance on week-days at the All Faith Chapel, and also will be sold on the evening of July 20.



SWEETS FOR THE SWEET — Fiona Van Deventer, seen munching on a devil's food cupcake, is looking forward to the annual ice cream social being held this Tuesday from 6 to 8:30 p.m. on the lawn at the All Faith Chapel.

prior to entering kindergarten are not required to have this work repeated before entering the first grade since, in the State of California, physical exams done at any time up to 18 months before entering the first grade are acceptable.

Parents of military dependents are asked to arrange for their child's physical exam early in order to avoid overloading the Branch medical Clinic. Call 939-2911, ext. 246, to make a physical exam appointment.

Investment executive to speak at Federal Mgrs. Assn. meeting

William Cavalier III, an investment executive with Shearson/American Express Inc., will discuss financial planning and investing at an open luncheon meeting of the Federal Managers' Association next Tuesday at 11:30 a.m. at the Enlisted Mess.

While more than two people out of three in the country today are able to invest, very few are aware of opportunities other than savings accounts or real estate, and fewer yet are familiar with basic individual tax planning. The seminar presented by Cavalier will cover these subjects, and he will also have handouts for those who attend.

Everyone in the community is invited, but those who plan to attend are asked to telephone the Enlisted Mess, 446-6929, in advance to ensure adequate seating.

Sale at Optical Shop

Now is a good time to get new frames for glasses. The Navy Exchange Optical Shop is featuring a July sale with 20 percent off the regular price on selected frames.

Weekend Roundup

Bright spot of the week at the Chief Petty Officer' Club will be music for dancing played by Sunlight, a local contemporary music group led by Tony Scanlon. The dancing begins at 9 tonight and lasts until 1 a.m.

Those who'd enjoy dinner out first can dine on prime rib of beef or Icelandic cod before the music begins. Dinner will be prepared and served from 6 to 9 o'clock.

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The Tri-County Fair is going full blast today, tomorrow and Sunday up at Bishop, with a livestock auction, a demolition derby, a truck pull, junior olympics, a diaper derby, puppet show and lots of activities for the children. Activities start at noon.

General admission to the fairgrounds (right on Highway 395 in Bishop) is \$2, children from 7-12 years of age pay 50 cents, and those 6 and under get in free.

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Now is the time for families to enjoy a fun filled day at Magic Mountain with discount tickets for military and DoD civilians, available at the Community Center.

You will be able to experience the Roaring Rapids, California's only man-made river ride and over \$25 million in new rides, attractions and live shows.

If your children are four feet-and-under, the price for a full day is \$6 to enter. For all other family members, tickets to enter are \$8.70.

Engineer from JPL to give talk on 'Industrialization of Space'

Warren W. James, an engineer from the Jet Propulsion Laboratory in Pasadena, will discuss "The Industrialization of Space" at a dinner meeting Tuesday evening at the Commissioned Officers' Mess sponsored by the High Desert Engineering Association (hIDEA).

The dinner commemorates Space Week, July 18-24, observed annually in honor of the first manned lunar landing. Everyone interested in space is welcome to attend the dinner.

In his talk, James will discuss the next phase of space activity, which will involve routine space operations for performing new industrial and commercial tasks.

James will review the types of industrial activities possible in a space environment, the resource base in space available for these activities, and the unique advantages associated with space industries.

He will also describe potential uses for lunar and asteroid mines, and emphasize

All Faith Chapel to hold Vacation Bible School July 26-30

Registration is now underway for children, kindergarten through sixth grade, who plan to attend the All Faith Chapel's Edumencal Vacation Bible School from July 26 through 30.

Classes will meet in the Chapel annexes daily from 8:30 to 11:15 a.m.

Parents can register their children in Vacation Bible School following all Catholic and Protestant services on Sundays through July 25, or in the Chapel office during the week.

There is no registration fee, but the children will be encouraged to bring an offering each day, which will be sent to Heifer Project International. This is an organization that supplies animals to the underprivileged along with training in self-help.

The Vacation Bible School theme this year is "Come, Follow Jesus." Lollipop Dragon will have a little message each day in the Chapel before the children walk down to the Chapel annexes for their story time, crafts, music and recreation.

Reservations open for field trip to bristlecones

Reservations are now being taken for the Maturango Museum's annual field trip to the bristlecone pine forest on Aug. 14 and 15.

A campout at Grandview Campgrounds will highlight Saturday events, and the journey through the bristlecones will complete the trip.

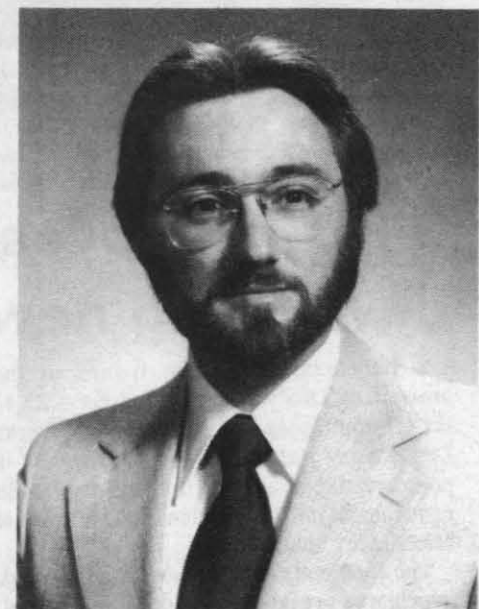
Those who wish to register to take the trip are asked to telephone the museum, 446-6900, to make their reservations.

the need for continued exploration of space and the long term payoffs.

Currently James is involved with mission planning for the Galileo and Venus Orbiting Imaging Radar missions. He is a senior engineer with the Imaging Systems Section at JPL.

On the evening of July 20 at the COM, a social hour starting at 6 p.m. will precede a prime rib dinner, which begins at 7, with the program scheduled for 8 o'clock. Jerry Zaharias, NWC's automatic data processing security coordinator, will be the master of ceremonies.

Tickets to the dinner are priced at \$10 per



Warren W. James person if purchased no later than tomorrow, and \$12 each at the COM on the night of the dinner.

Tickets to the Space Week banquet can be ordered by calling any of the following members of local chapters of the engineering societies that have joined to form hIDEA: Jim Serpanos, NWC ext. 3340; Bruce Bartels, NWC ext. 7510; Mort Kurotori, NWC ext. 3395; Bob Williams, NWC ext. 6488; Mel Creusere, NWC ext. 2009; and Tony Miller, 446-2589.

MOVIES

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

Regular starting time 7:00 p.m.

FRI., SUN., MON. JULY 16, 18, 19
"RAGTIME"
Starring James Cagney and Elizabeth McGovern (Drama, rated PG, 155 min.)

SAT., WED. JULY 17, 21
"GHOST STORY"
Starring Fred Astaire and Melvyn Douglas (Horror / drama, rated R, 118 min.)

TUESDAY JULY 20
Matinee — 2 p.m.
"2001: A SPACE ODYSSEY"
Starring Keir Dullea and Gary Lockwood (Science Fiction / drama, rated G, 144 min.)

THURSDAY JULY 22
Matinee — 2 p.m.
"THE BLACK STALLION"
Starring Mickey Rooney and Kelly Reno (Drama, rated G, 117 min.)

FRIDAY JULY 23
"TAPS"
Starring Timothy Hutton and George C. Scott (Drama, rated PG, 126 min.)

★ U.S. Government Printing Office: 1982 — No. 1033

From: _____

PLACE STAMP HERE

To: _____



PR2 Patricia E. Carey picked by NWC as Bluejacket of Month

Aircrew Survival Equipmentman Second Class Patricia E. Carey has been selected as Naval Weapons Center Bluejacket of the Month for June.

In the letter of nomination written by the Aircraft Division Chief Petty Officer, PRC R. J. Phillips, he comments that "Her outstanding leadership abilities display respect for her subordinates and peers while displaying pride and professionalism."

The letter also comments on her keen sense of humor that contributes to the high morale within the Aircraft Maintenance Division.

"Although her work center is manned well below the required level," PRC Phillips continues, "her management of personnel and her ability to motivate them, coupled with the flexibility to adapt to constantly changing maintenance priorities make her work center one of the most productive in the Aircraft Maintenance Division."

Petty Officer Carey has been in the Navy five years, and chose NWC as her assignment when she was due for transfer last fall. She selected this area even though she had never been in the desert because her husband, a Navy veteran with 20 years' service, suggested that it would be a good location.

"And I really like it," she adds, "even though I miss the snow that we get around home." Home, to Petty Officer Carey, is upstate New York, where she was a licensed medical technician before joining the Navy.

At the time that she joined, she chose her

Post Office warns change of address cards long overdue

A lot of residents in Center housing have been putting off an essential task — one that they can no longer put off if they want to continue receiving their mail.

Everyone who lives on a street that was renamed or in a house that was renumbered needs to file a change of address with all correspondents because more than a year has passed since the change in street addresses became official, and the post office is only required to forward mail for a period of one year.

Walter Hamm, acting Postmaster in Ridgecrest, emphasizes that he and his staff are there to serve the public by delivering the mail but that these address changes must be filed very promptly to enable them to provide this service. Especially important, he notes, is changing the address for Saving Bonds and for annuity payments.

To facilitate address changes, all that a resident needs to do is ask the letter carrier for the proper number of change-of-address forms, or to telephone the Post Office (375-8488) and ask for the forms to be mailed to them.

"We don't want to inconvenience anyone by making them come down to the post office building to pick up the forms," says Hamm, "but we do need to have the right addresses on mail to ensure that every important piece of mail reaches the right destination."



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NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

Two chemists earn Technical Director Award for rapid development of critical explosive

The NWC Technical Director's Award was presented recently to Benjamin Y. S. Lee and Dr. Herbert G. Gollmar, both of whom are chemists employed in the Explosives Formulation Branch of the Ordnance Systems Department's Conventional Weapons Division.

The presentation by B. W. Hays to Lee and Dr. Gollmar took place during a weekly meeting of NWC department heads and other senior officials of the Center.

The two men were commended for their rapid development of an explosive for a critical proof of principle test sequence. They each received a letter of commendation signed by Hays, an engraved paperweight, and shared a stipend that accompanied this special form of a Superior Achievement Award.

According to Carl Schaniel, head of the Ordnance Systems Department, who nominated Lee and Dr. Gollmar for the Technical Director Award, the urgency of the test schedule required the development of a fully loadable and certifiable deformable explosive with unprecedented properties within a three month period.

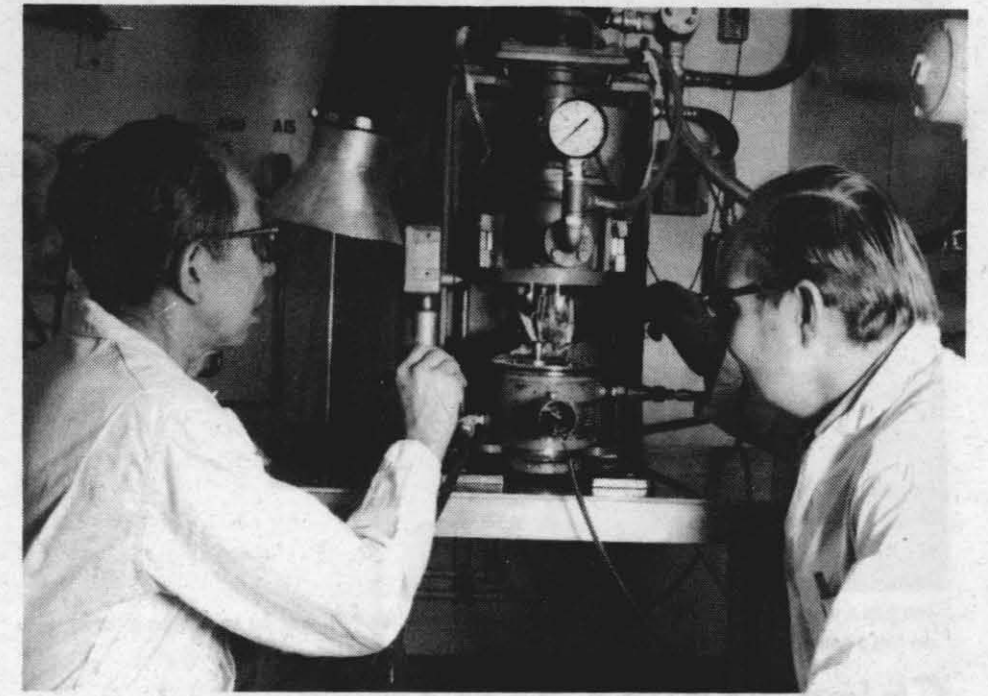
Earlier research by Lee and Dr. Gollmar on deformable explosives had provided background data and established some guidelines as to the composition that would be required. However, at the time the urgent need was identified, a suitable formulation had not been defined.

In what Schaniel referred to as a "remarkable effort," the two NWC chemists developed two formulations since, at the outset, there was no certainty that a particular explosive formulation would be successful.

Lee and Dr. Gollmar carried one explosive formulation through the entire test sequence required for interim qualification and certification for shipping, and also established (through range testing) its suitability for the intended purpose.

They also procured explosive and binder ingredients in quantities sufficient for the proof of principle test sequence, and planned and participated in the preparation of 900 kilograms of the coated explosive material required for scale-up and loading of test vehicles.

All milestones were met on schedule, including the Naval Sea Command's approval of the explosive, and the intended test sequence. Dr. Taylor Joyner, head of



CHEMISTS HONORED — Latest recipients of the NWC Technical Director Award are Benjamin Y. S. Lee (at left) and Dr. Herbert G. Gollmar, chemists in the Ordnance Systems Department's Explosives Formulation Branch. Shown as they examine an inert explosive mix placed in a one-pint mixer used in small-scale laboratory operations, Lee and Dr. Gollmar were commended for their rapid development of a deformable explosive for a critical proof of principle test sequence. Their work met an urgent Naval Sea Systems Command requirement. — Photo by Don Cornelius

the Explosives Formulation Branch, was a significant contributor to the effort.

Even though only one of the explosive formulations could be carried through the expensive and time consuming performance testing required, by the time the decision point was reached, there was sufficient data available to establish that the second formulation also would be successful.

Exploratory development of this material was completed and both explosives are now scheduled to enter advanced development, Schaniel reported in recommending that the Technical Director Award be presented to Lee and Dr. Gollmar. The two men met the schedule for developing one explosive formulation while moving well along the road to providing a proven alternative, the head of Code 32 pointed out.

Schaniel's nomination of Lee and Dr. Gollmar for the NWC Technical Director Award was supported, as well, by Admiral J. D. Beecher, Assistant Deputy Commander for AAW and Surface Warfare

Systems, Naval Sea Systems Command (NAVSEA).

In a letter of appreciation for the efforts of Lee and Dr. Gollmar, Admiral Beecher noted that "the burden of an extremely short time limit was added to the already difficult task of developing a composition having an essentially unprecedented combination of explosive characteristics. In every respect," the NAVSEA official added, "this development effort resulted in a high quality deformable explosive composition that is expected to perform well in the test firings."

Lee, a 1955 graduate of the University of Illinois with a BS in chemistry, entered the Junior Professional program at China Lake in December 1954, and has worked here ever since.

Employed initially as a designer of ignition igniters and as an ordnance design engineer in the old Rocket Development Department, he worked on ASROC (an anti-submarine rocket) and on early versions of the Sidewinder missile (the 1-C and 1-D).

In April 1959, his background in chemistry enabled him to step into a job in propellants' formulation work in the Solid Propellants Branch of the Propellants and Explosives Department.

He continued with this work for 18 years during which time he was involved in the minimum smoke propellant program for Navy tactical missiles — an effort that led to the present solid propellant used in the High Speed Anti-radiation Missile (HARM).

Lee also worked on propellants for gas generators; hybrid propellant systems; air-augmented propulsion systems; and high density, high performance propellants.

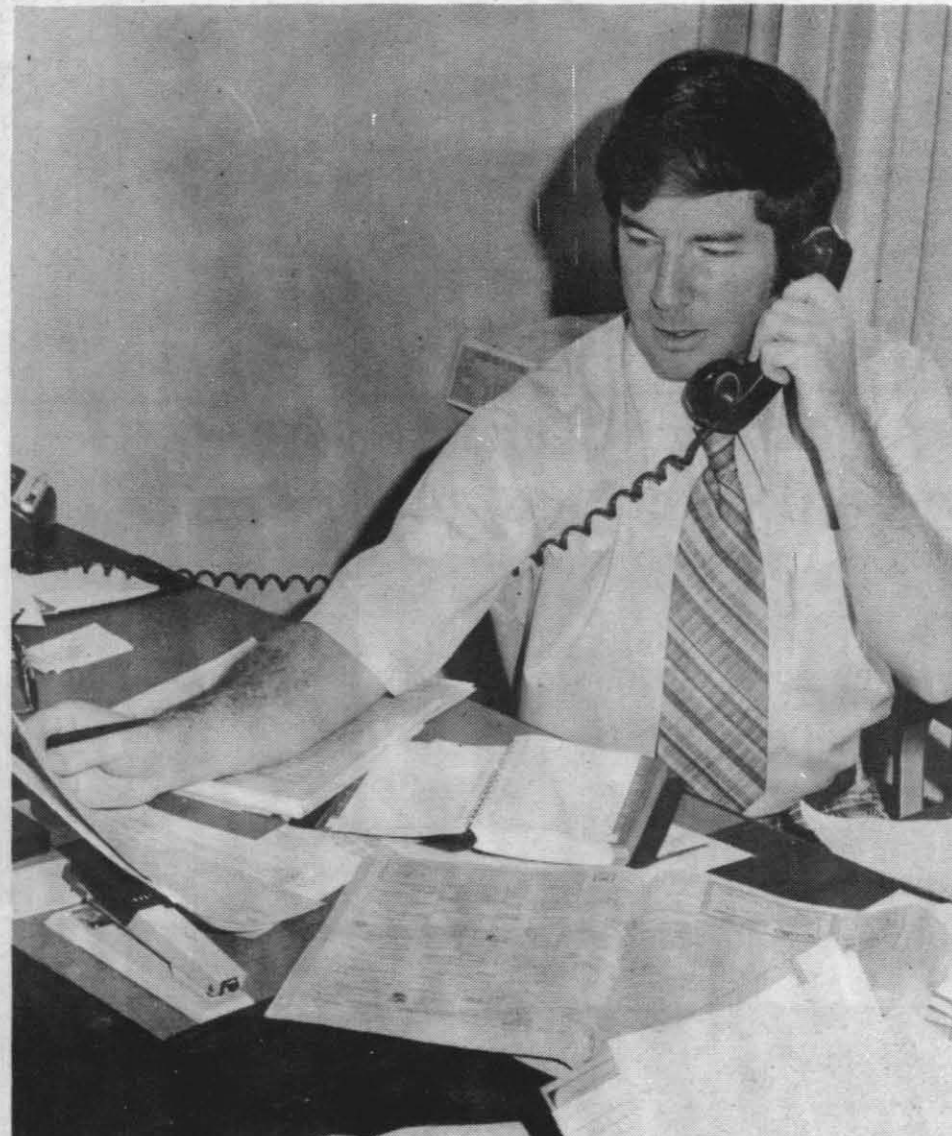
He transferred in August 1977 to Code 32's Explosive Formulation Branch and since that time has been heavily involved in explosive formulation work, water soluble and hydrolyzable binder explosives, and thermally degradable binder explosives (all NAVSEA-sponsored programs).

Dr. Gollmar became a Civil Service employee three years ago when he joined Code 32's Explosives Formulation Branch. Prior to that time, he had worked in private industry as a chemist doing



HISTORIC FLIGHT — More than 40 years of naval aviation history is represented by the McDonnell Douglas F/A-18 Hornet, the Navy's newest aircraft, now in operational evaluation by VX-5, and the Center's Douglas C-117 Skytrain. This particular aircraft, which was built in February 1944, recently made its last flight when it departed for the Naval Aviation Museum at Pensacola, Fla. (See story on page 3.)

(Continued on Page 7)



HARD AT WORK — Chips Mauer, seen here in a prior job, will be spending a lot of time on the phone in his new assignment as Program Coordinator.

Chips Mauer comes aboard as new Program Coordinator

That friendly new face seen in the office area behind the receptionist's desk in the Michelson Laboratory lobby belongs to Chips Mauer, who has been the Center's Program Coordinator since last Monday.

He brings 17 years of experience in protocol, public information and public relations to the job. His work in the field began while he served in the Air Force, continued with heading three different Chambers of Commerce in California, took him to the Department of Labor in Washington, and then lead to work with the U.S. Metric Board before he once more headed west, this time to China Lake.

"It's really good to be back in California," Mauer says. "Claudia, my wife, is a native of the San Fernando Valley and I come from San Francisco. We enjoyed our time in Washington but heading west was like coming home."

Mauer's first impressions of the Center are definitely positive. "People here seem to have a real sense of having a mission," he notes, "and I like that. I like to be kept busy at something that I feel is worthwhile like the work that is done at China Lake."

His youthful hobby of making films led Mauer to become a theater arts, radio and television major at San Francisco State University, from which he holds a bachelor's degree.

During his Air Force days he was first assigned to protocol while based in Greenland, and found that he enjoyed that

type of work. After his separation from the service as a captain, he headed to Millbrae, Calif., where he managed the Chamber of Commerce for that Peninsula town. "As manager of a Chamber of Commerce," Mauer says, "you are really a Public Information or Public Affairs Officer for a city. It's very good training for what I've been doing in the government."

He was managing the Chamber of Commerce in Fontana when he was offered a job in Washington in 1975. The chance to see the historic sites of that area and to spend the Bicentennial Year in the capital enticed him, Claudia, and their twin daughters, Athena and Diana (now 8) eastward.

In spite of the work load at the Department of Labor, where he was first assigned, and then at the Metric Board, Mauer attended classes at night, working on a graduate degree in business. He hopes to be able to continue studies in his spare time here once he and his family are all settled in.



Promotional opportunities

Applications (Standard Form 171) should be put in the drop box at the Reception Desk of the Personnel Dept., 505 Blandy. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the advertisement. The Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook X-118; those for all wage system positions are those defined in OPM Handbook X-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

Announcement No. 3651, Equipment Specialist (Electronics Precision and Scientific Equipment), GS-1670-11 PD No. 8236041N, Code 3683 — This position is located in the Metrology Branch, Product Assurance Division, Engineering Department. The incumbent serves as the contracting officer's technical representative for approximately ten maintenance contracts. The duties include: providing technical liaison between contractor and contracting officer; reviewing and evaluating contractors' proposals; monitoring contractors' performance and progress; providing written reports and technical support. Incumbent provides technical support and advice in design specification, reliability, and cost; monitors calibrating standards and requirements; analyzes the cost effectiveness of repair versus disposal of equipment. Job Relevant Criteria: Knowledge of calibration techniques; knowledge of government contract management; ability to prepare technical proposals and evaluate contractor's bids and costs; ability to provide technical supervision and schedule work of others; ability to conduct meetings and conferences; ability to communicate effectively orally and in writing.

Announcement No. 33-024, Mechanical Engineer, DP-830-1/2/3, PAC 8033540E, Code 3315 — This position is located in the Design and Fabrication Branch, Sensors System Division of the Fuze and Sensors Department. The incumbent will be responsible for the mechanical design of components used in fuze sensors, and related hardware. Duties include the coordination of the planning and scheduling of the required designs with the various programs as well as estimating fabrication costs and completion times. Additional duties will involve the evaluation/redesign of existing designs of the interfaces between fuze hardware, antennas, missiles and other related areas. Job Relevant Criteria: Ability to coordinate projects. Design experience. Ability to deal with other people at all levels within NWC. Previous applicants need not reapply.

Announcement No. 26-301, Planner and Estimator (General), WD-3701-2, PD No. 8236 Code 2413 — (This is a re-advertisement of Announcement No. 26-301 which appeared 4-23-82. Previous applicants need not reapply to be considered for this second vacancy. Status eligibles will also be considered.) Position is located in the Inspection Branch, Maintenance Control Division, Public Works Department. The incumbent performs scheduled examination and/or tests of facilities as assigned to determine the physical condition with respect to the desired facilities categorization, provide detailed maintenance estimates for identified maintenance requirements. Responsibilities include inspection, job write-up, material lists and sketches for correction which are identified to be with the capabilities of Public Works and required remedial actions. The incumbent shall conduct inspection of mechanical systems and components as assigned. Typical work shall include, but shall not be limited to, inspection of such items as air conditioning systems, heating equipment, plumbing, ventilating and exhaust systems, pumps, steam traps and piping for gas systems. Job Relevant Criteria: Ability to facilitate production; technical practices; ability to interpret instructions, specifications; knowledge of pertinent materials; knowledge of pertinent tools and equipment. Note: Supplemental is required and may be picked up at the reception desk of the Personnel Building.

Announcement No. C-44-24, Staff Assistant, GS 393-4/5, PD No. 8244055N, 8244033N, Code 4402 — This position is located in the Department Staff Office, Parachute Systems Department. The incumbent is responsible for personnel records and management, incentive awards, security matters, mail room functions, Public Works coordination, assistant to the Head of Staff in administrative matters, and liaison to other department/Center committees. Job Relevant Criteria: Knowledge of a variety of administrative functions such as records management, security regulations, stub preparation, and personnel; ability to establish priorities and manage a wide variety of tasks; ability to interpret written material and convey the information effectively, both orally and in writing.

Announcement No. C-42-56, Ordnance Equipment Repairer, WG-6441-8, J-D 521N, Code 2222 — This position is located in the operations support section of the Ground Operation's Branch, Range Operations Division, Range Department. Duties include assembly and preparation of rockets, high explosives, guided missiles and gun projectiles for test firings. Job Relevant Criteria: Knowledge of ordnance assembly procedures and practices; knowledge of equipment assembly, installation and repairs; knowledge of tools and equipment of the trade; knowledge of measuring instruments, instructions, specifications and troubleshooting and technical practices as used in the trade. Promotion potential: WG-6441-10. Note: Supplemental Qualification Statement is required in addition to SF-171 update. Forms available in Room 100 of Personnel Bldg., 505 Blandy. (2 vacancies).

Announcement No. C-42-51, Electrical Worker, WG-2805-8, J-D No. 844N, Code 2222 — This position is located in the operations support section of the Ground Operation's Branch, Range Operations Division, Range Department. Incumbent repairs electrical and industrial electronic components, equipments and installations used in tests at the ground ranges, SNORT track and Randsburg Wash. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to select appropriate electrical equipment for tasks; knowledge of electrical theory; knowledge of electrical drawings; knowledge of hand and power tools; knowledge of the precise work of the trade; ability to apply the rules for safe performance of quality electrical work. Promotion potential: WG-2805-10. Note: Supplemental Qualification Statement is required in addition to SF-171 update. Forms available in Room 100 of Personnel Bldg., 505 Blandy.

Announcement No. C-6-2, Test and Airspace Specialist, GS-301-7/9, PD No. 8204002N, Code 06333 — This position is located in test and airspace scheduling of the Projects Requirements Office, Project Office, Test and Evaluation Directorate. The incumbent is the alternate test scheduler, and assistant to the airspace manager. Duties include: coordination of NAVWPNCEN air, ground, and track project testing, with the R-2508 complex airspace

through constant liaison with all responsible R-2508 agencies; development of range utilization reports; investigation and reporting of aircraft nuisance complaints and range violations; development, maintenance and research of R-2508 complex library and historical files. During the Test Scheduler's absence, the incumbent is responsible for workload planning, the production of the daily test schedule and the coordination of the various functions that are affected by the test events scheduled. Job Relevant Criteria: Ability to communicate and interface effectively in a coordinative capacity; general knowledge of the R-2508 Complex and its operating policies and procedures; general knowledge of FAA regulations; knowledge of NAVWPNCEN range operations sufficient for making real-time scheduling decisions. (Promotion potential: GS-11; promotion is not guaranteed.)

Announcement No. 24-059, Vehicle Registration/Court Clerk, GS-301-3/4-5, PD No. 8224005, Code 24322 — This position is located in the Visitor Branch, Code 2432, of the Information and Internal Security Division in the Safety and Security Department. The primary duties include: (1) administratively controlling vehicle registrations, citations, decals, violations and traffic count actions, (2) dealing with law enforcement personnel from NWC, city, county and state regarding the specification and use of NWC driving privileges, (3) administratively controlling the type and number of permits issued for registration, parking and off-road use, (4) providing backup to the Foreign Visitors Office. Job Relevant Criteria: (a) Knowledge of instructions which apply to visits by foreign visitors. (b) Knowledge of the California Vehicle Code, OPNAV Instructions, and NWC Instructions, and how they apply to the operations of vehicles on NWC. (c) Ability to communicate effectively orally and in writing. (d) Ability to type accurately. (e) Ability to understand and interpret complex legal and regulatory material. (f) Ability to make sound recommendations based on varying sets of factual data. Rating criteria will be applied as follows depending on the applicant's GS level: GS-3: Criteria a, b, c, d, e, and f; GS-4: Criteria b, c, d, e, and f; GS-5: Criteria c, d, e, and f. If this position is filled at the lower level, promotion potential is to GS-5.

Announcement No. 3652, Supervisory Electronic/Mechanical Engineer, DP-3/4, PAC No. 823644E, Code 3625 — This position is located in the Missile Guidance Branch, Systems Engineering Division, Engineering Department. The incumbent is responsible to the Head, Systems Engineering Division for technical/production support of the Harpoon guidance system. The branch directly supports the Harpoon Program Office in the development and maintenance of systems engineering expertise in missile radars, guidance computers, ECM/ECCM techniques and digital simulation of radar guidance systems. Production support includes evaluation of proposed engineering changes and maintenance of current knowledge of guidance system hardware, fabrication techniques, test requirements and methods. The branch maintains and operates a laboratory capable of performing engineering design and development tests and hardware in loop simulation tests of the Harpoon missile. Job Relevant Criteria: Ability to supervise a large branch; knowledge of requirements and procedures for the production of missile guidance systems; knowledge of applied electromagnetic theory, such as radar, microwave countermeasures; demonstrated ability to direct a team of engineers engaged in technical support; ability to communicate orally and in writing with all levels of government and contractor personnel; ability to support EEO program goals and objectives. Promotion to DP-4 is dependent upon allocation of high grade billet.

Youth seminar scheduled

The All Faith Chapel is sponsoring a youth seminar for students in grades seven through twelve that will be held nightly from 7 to 9 p.m., July 26 through July 30.

Students in grades seven through nine will meet in the East Wing of the Chapel. Leader Dave Wirtz will head a discussion on peer pressure entitled "Cool When the Heat's On."

Leader Bob Leonard will discuss "If the World Fits, You're the Wrong Size" with students in grades 10 through 12 in Annex 95 of the Chapel.



DIVINE SERVICES

PROTESTANT	
Sunday Worship Service	1000
Sunday School	0830
ROMAN CATHOLIC	
Sunday Masses	0830 & 1130
Daily Mass (except Saturday)	1135
Sunday Religious Education Classes	1000
JEWISH	
Friday in the East Wing	1930
UNITARIAN	
Sunday, Annex 95, as announced	1930



HELPFUL IDEA — Flanked by Cdr. D. A. Ringel (at right), assistant Public Works Officer, and Jerry Austin (at left), maintenance foreman of the Michelson Laboratory Service Shop, three employees of the Public Works Department display Beneficial Suggestion Award certificates they received recently. The Benny Sugg recipients are (l-r.) Richard Hansing, Martin Peltz and Daniel T. Arsenault.

3 PW employees win award for developing new pressure alarm

A Beneficial Suggestion Award in the amount of \$225 was presented recently to three employees in the Public Works Department for their development of a pressure alarm system for the two main condensate lines located in the basement of Michelson Laboratory.

The recipients of the Benny Sugg Award, which was presented by Cdr. D. A. Ringel, assistant Public Works Officer, are Daniel T. Arsenault, an electrician; Martin Peltz, a pipefitter; and Richard Hansing, an electrician helper.

The purpose of the alarm system is to indicate prolonged high pressure on the main condensate line. This may help prevent damage to pumps, pump motors

TD Award . . .

(Continued from Page 7) such things as developing foam wall paneling that would bond well with steel, and the manufacture of thermosetting resins and thermoplastics products.

The holder of bachelor's degrees in chemistry and chemical engineering from the University of Pittsburgh, and a Ph. D. in polymer chemistry from the University of Arizona, Dr. Gollmar has been working here on the development of plastic-bonded explosives.

The main emphasis of this work has been the formulation of explosives that are relatively insensitive to extraneous sources of initiation, thus making them safer to handle.

Some of his efforts here also have involved him with the Explosives Technology Branch on the processing of the Sidewinder Missile explosive charge, in addition to his work on deformable explosive composition that is one segment of a program sponsored by the Naval Sea Systems Command.

Bluejacket . . .

(Continued from Page 1) current rate because she wanted something different. She enjoys what she's doing but has no intention of becoming a test parachutist. ("I volunteered for my one jump on completing 'A' school," Petty Officer Carey says, "and even that one was cancelled by winds. I figure that's enough.")

Spare time activities for Petty Officer Carey include singing with the NWC Navy band, and helping her husband refinish antique furniture.

As Bluejacket of the Month, Petty Officer Carey received a letter of commendation signed by the Commander, an NWC plaque, a 96-hour special liberty, and 30 days of no-duty status. She also has a reserved parking place at the Enlisted mess, and the use of a car from Desert Motors to put into it for a month.

In addition she will be a luncheon guest of the Rotary Club.

and seals, and also avert uncontrolled flooding of areas in the basement of Michelson Lab.

Since there is constant pressure fluctuation within the network of condensate lines, the alarms set off a flashing light only if high pressure is maintained over a 60-second period.

This 60-second delay will prevent the alarm from being actuated due to the normal fluctuation of pressure in the system. The alarm also will help to indicate a main line blockage, thus saving man hours in locating individual problems within the condensate system.

Where applicable, this alarm system may be tied into any condensate system aboard the Naval Weapons Center.

Navy stand on drugs shows good results throughout country

The strong anti-drug posture of the Navy has caused a significant reduction in the amount of available drugs, a drop in the number of drug-related cases and has resulted in increased cooperation between Navy and civil authorities in controlling drug paraphernalia.

Intensive anti-narcotics efforts by the Naval Investigative Service (NIS), police officials and local commands have created a discouraging situation for narcotics traffickers in the Norfolk area.

A review of agency statistics has shown a dramatic drop in the number of drug seizures and narcotics cases, indicating there are fewer drugs available and fewer dealers operating in the Navy environment. In the San Diego area, efforts by local commanders and civilian community leaders have resulted in legislation which restricts or prohibits the sale of drug abuse paraphernalia in several towns and cities. Dialogue between military and civilian leaders has produced a consensus that drug abuse and drug abuse materials have a negative impact on both communities.

The State of California also is considering anti-drug paraphernalia measures that would provide statewide control.

Archery deer season in coastal Calif. now open

Archery deer hunting season opened recently in the coastal area of California. The season will continue through Aug. 1. Open to archers only is an area extending along the coast and adjacent inland districts from the northern boundary of Mendocino County southward to Santa Barbara County and the western edge of Ventura County.

Hunters are required to have a valid hunting license and a zone A deer tag. The seasonal bag limit is two bucks, forked-horn or better.

VA expands mortgage guarantee program to include GPM loans

The Veterans Administration has expanded its mortgage guarantee program to include the Graduated-Payment Mortgage (GPM). The loans will be made by commercial lending institutions, after review of the applicants' credit worthiness, with repayment guaranteed by the VA.

The GPM program is an addition to the VA's traditional fixed-rate, no-down-payment mortgage guarantee offered eligible veterans.

Under a GPM, monthly payments start out lower than fixed-rate mortgages. Part of the interest due on the loan is deferred each month and added to the balance of the loan. Under a fixed-rate mortgage, principal and interest payments are identical for the life

of the loan. Only those GPM programs with annual 7.5 percent payment increases on the loan anniversary over a period of five years will be guaranteed by the VA. After the fifth year, payments level off at a fixed amount. At that point the GPM becomes like a fixed-rate mortgage.

The GPM guarantee program will require a down payment, unlike the fixed-rate guarantees. This may be as low as 2.5 percent of the sale price or reasonable value of the property, whichever is lower.

More information may be obtained from the Loan-Guarantee Division of the nearest VA Regional Office.

Happenings around NWC

Naval Weapons Center employees and military personnel who work at Armitage Airfield and vicinity are urged to be on the lookout for large trucks traveling to and from the airfield now that work has been started on an extensive runway repair job.

Heavy trucks carrying materials from a batch plant located a few miles south of the town of Inyokern are using the roads that provide access to the airfield.

The work, which is being done under a contract in the amount of \$1,450,000 that was awarded to the Desert Construction Co. of Victorville, Calif., calls for grinding up and heat-scaring the existing runway surface, applying a rejuvenating agent to soften the surface, and then pouring a 2-in. thick overlay of asphalt concrete.

The repair work has been started on east-west runway 7/25. After it has been completed, workmen will shift their attention to runway 14/32 — the main north-south runway located nearest to Hangars 1 and 2. It is 9,000 ft. in length compared to the 7,500 ft. length of runway 7/25. Both runways are 200 ft. wide.

'STOREHORSE' SHOWING

Centers interested in recorders — especially self-calibrating, wide-band portable recorders — will have an opportunity to see a demonstration and hear technical discussions about the "Storehorse," manufactured by Scientific Devices-West and Rascal Recorders, Inc.

Dr. David Nutton of Rascal, who is product

line manager for the "Storehorse," will conduct these demonstrations and discussions at the Community Center on Wednesday, July 21. Two sessions have been planned: one will last from 10 a.m. until noon, with the second scheduled for 2 to 4 p.m. Reservations to attend are required. Those who wish to attend either session are asked to telephone (714) 821-1680 prior to the date of the showing.

G.E.D. TEST SLATED
Cerro Coso Community College is administering the General Educational Development test (GED) to non-high school graduates on July 28 and 29.

Participants must be 18 years of age or older to take examinations which provide a means of measuring educational achievements in the areas of English, social studies, natural sciences, literature and mathematics.

Two days are required to complete the test battery. Testing hours are 1:30 to 5 p.m. on Wednesday and Thursday, July 28 and 29. California state certificates of equivalency indicating educational achievement at the high school level can be applied for by persons successfully completing the series of GED tests.

Examinees are charged an advanced fee of \$10 to offset expenses in monitoring and scoring the tests. For reservations and information about additional testing sessions, call the College Counseling Center at 375-5001.

Employee service awards

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

			
John M. Hart 25 yrs. Fed'l Service Code 2648	George F. Clark 20 yrs. NWC Service Code 2634	R. Van Devender, Jr. 20 yrs. Fed'l Service Code 3384	Delores L. Rhamy 20 yrs. Fed'l Service Code 3431
			
Alice Martin, 20 yr. Fed'l & NWC Service Code 3433	Rex L. Smith 20 yrs. NWC Service Code 3353	Richard A. Johnsen 20 yrs. NWC Service Code 344	Sam Treece 20 yrs. Fed'l Service Code 2695

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



Pony League teams go south tomorrow for 2 tournaments

Both the 13-year-old and the 14-year-old Pony Leaguers will be playing in out-of-town tournaments tomorrow. Local residents are invited to head south and cheer the local youngsters to victory.

The younger group will be playing at an invitational tournament in Granada Hill at 3:30 p.m., where they will be playing the team from Lancaster. Purpose of this game is to give the young ballplayers some tournament experience.

The older group will also be playing against a team from Lancaster — that city's 14-year-old Pony Leaguers — but the game will be at the Quartz Hill complex in Quartz Hill at 4:30 in the afternoon tomorrow.

The team members were chosen by both players and coaches, with nine being selected by players in the league and 6 on each team picked by the coaches.

Pitcher for the 13-year-old team is Lyle Carey; the other pitcher is Robbie Bowles. Such a number of good players can be found on both teams that it is difficult to single anyone out.

Team managers are John Walters for the younger team, and Ray Haleman for the older one; the coaches are, respectively, Terry Gaunt and Tommy Mather.

Everyone interested in running invited to OTHTC meeting

All members and potential members of the Over The Hill Track Club (OTHTC) are invited to run (or drive) to the annual OTHTC Bash on Monday at Sumalee's Thai Chinese Food, 303 Inyokern Rd., in Ridgecrest.

Thai snacks, soft drinks and some not so soft will be served starting at 6 p.m., with the meeting expected to last until about 9 o'clock.

Business matters discussed during the evening include conscription of new officers and race directors, setting a tentative race schedule, and other club event selections. Those who have race photos or slides to share are invited to bring them along.

Several winners of 10-mile T-shirts have not yet picked up their shirts and may do so at the Bash.

Anyone seeking further information may contact Scotty Broyles at 446-2941 after 5 p.m. nightly.

Octopuses caught by startled anglers on central Calif. coast

One startled fisherman on a one-day fishing trip out of the central California port of San Simeon brought in a 70-pound octopus this week, and another landed a 50-pounder.

Since both were trying for more conventional catches — some of the lingcod, rock cod, red snapper, or assorted bass that ordinarily go after the baited hooks — they were astonished at what they brought to the surface.

All anglers who went out of either Morro Bay or San Simeon did well, however, with an average of more than 13 fish per person caught.

Fishermen who prefer to fish in Morro Bay rather than going out of the party boats are having good success in catching halibut using live anchovies.

Surf fishing in that area is not particularly good at this time.

Rebel lures hot items up north 14-lb. brown trout catch of week in High Sierras

Big news item of the week in fishing in the Sierra was the 14-lb. brown trout caught at Long Lake above Bishop. The lunker went for a Rebel lure; Rebels are rumored to be in short supply in all Bishop-area sporting goods stores as a result.

The best fishing at Lake Sabrina last weekend was with worms, and at Bishop Creek, both worms and salmon eggs produced good results. South Lake is now coming up enough so that boats are getting into the water. Anglers in these boats are



TAKEOFF — Young Eric Cornelius is on his way into the cooling water at the Chief Petty Officers' Club pool. While his diving style isn't elegant, it's certainly functional. The hot weather has brought increased use of the three outdoor pools, along with the big pool in the Center gym. — Photo by Don Cornelius

Sports of All Sorts team leads in slow pitch softball standings

The Sports of All Sorts/Ridgecrest Animal Hospital team moved into first place in league standings in the men's divisions of the Ridgecrest Recreation Department's Slow Pitch Softball League by beating the Renegades 5-1 and squeaking by CSC 14-13.

In the Women's Division, CSC is a mere 5 percentage points ahead of High Desert Temporaries to lead that group of 11 teams.

Cellar dwellers in both the men's and the women's divisions remain the same — Mikel's Home Furniture still plugs gamely along with a 9-14 record, and the Mixed Nuts in the Women's Division are hanging in there with a 1-13 record.

In the Men's League, the Homestead beat Mikel's 27-5; Vaughn's lost to ARCS by a 14-13 score; the Knights beat the Blackhawks 11-10; CSC edged ERA Best Realty 7-6 while the ERA team trampled over Clancey's to the tune of 17-6; and the Renegades vs. NWC Varsity resulted in a 13-10 win for the 'gades.

Homerun king of the week was Bennie Williams who clouted two four-baggers plus getting on first for a .750 average to help the Renegades win over the NWC Varsity team.

The CSC team in the Women's League routed Smith Concrete Construction while Smith beat the High Desert Import Center 10-8; High Desert Import clobbered Bill Wright Painting 23 to 1, with the game called after 4 innings.

The Bill Wright Painting team did better in its game against the Mixed Nuts, beating them 13-9. The High Desert Temporaries had a good week, crushing JD's by a 16-6 score, PRC-Ridgecrest Engineering 11-4,

doing well both trolling and still fishing, using lures, worms and salmon eggs.

Rock Creek, further north, is producing good catches of trout on worms, marshmallows, corn cheese and Super Duppers. Both Hilton Creek and the Hilton Lakes have lots of trout hungry for mosquitoes.

Anglers at Convict Lake who troll deep with Needlefish are bringing in limits of trout. Those who fish from the shore report that fishing is best at the inlet with night crawlers, marshmallows, salmon eggs, and,

in the afternoon, bright lures.

Perch fishing at Crowley Lake is excellent, especially in water that is 6 to 8 feet deep, by trolling with a yellow jig. The annual perch derby has begun at Crowley once more; anglers who head to that lake can get details at the lake.

Trout at Crowley are responding best to night crawlers, with still fishing producing better results than either fishing from shore or trolling.

The Owens River is down enough for fishing to be dramatically improved, especially from Benton Crossing north. During the daytime, night crawlers and small spinners make a great combination for catching trout; evenings, flies are good.

At Hot Creek the water is up. There is a dry fly hatch between 9 a.m. and 1 p.m. Anglers who use caddis flies and brown and grey sedge report the best results.

Twin Lakes and Lake Mary at Mammoth have trout that find California mosquitoes irresistible, and that also like a fly-and-bubble combination.

Boats on the lakes in the June Lake Loop that are about 30 to 40 feet out from shore, with anglers in them using cheese and salmon eggs, come back laden with trout. Trout at Gull Lake also like marshmallows, and at Silver Lake the trout prefer worms.

Good catches of kokanee are still being made at Upper Twin Lake at Bridgeport by anglers trolling with frog needlefish, worms, eggs, or fluorescent lures. At Lower Twin, worms with weights on the line are the way to go to get kokanee.

Buckeye Bay at Bridgeport Reservoir is the best spot for trolling slowly with eggs, cheese, and inflated nightcrawlers. Trout are biting well there now.

Fishing expected to improve steadily as Lake Isabella peaks

Fishing at Lake Isabella is now picking up since the lake level has peaked and begun to drop and the sun has warmed the waters enough to entice the fish up where they feel like biting at the tempting goodies at the end of anglers' lines.

Bluegill in good size and quantity are being caught all around the lake, but especially off the steeper and rockier banks.

Lots of bass are still biting. These are good eating, even though they are small; anglers are asked to toss the tiny ones back to provide a catch for another day when they have grown larger.

Both white catfish and channel cats are still being caught mainly in the south fork region and in the south end of the lake.

None of the big trout that are ordinarily caught during the spring have turned up this year. Department of Fish and Game personnel guess that the temperature layers that ordinarily flop during the spring did not do so, leaving the big trout deep under water and well isolated from the hooks of eager fishermen.

The Kern River has now started to drop, improving trout fishing.

The best bet for stream fishing, however, is the small creeks above Johnsondale that are high enough to support the trout being planted.

Kennedy Meadows — both the Kern and the small streams — is currently a really hot spot for trout fishermen also, as are the small streams in the Woodpecker area out of Rock House Basin.

Monache Meadows is once more open (fly fishing only). The trout there are reported as fighting to get themselves caught, especially during the last couple of hours of daylight, by anglers who don't let their shadows fall on the water.

Fishing tip of the week

Sharpen hooks for best results. A dull hook is much easier for a fish to escape. A small sharpening stone in a tackle box serves both as a handy sharpening device and a good reminder to keep those hooks from getting dull.

The Skipper sez



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

QUESTION

Civilian — I was wondering why is it that money making projects such as the Spring Festival sponsored by the Knights of Columbus, which is a religious organization, usually get such large coverage in the Rocketeer. Sometimes almost a full page is devoted to this and other money-making activities, while worthwhile community projects, such as Public Schools Week for our school children and our teachers and school administrators very seldom, if ever, get mentioned. The most I've seen was one line. Sometimes hidden at the bottom of another column. Thank you.

ANSWER

Having just a two-member writing staff, the Rocketeer must rely for timely information on community events, such as Public Schools Week or the Spring Festival, on representatives of organizations that sponsor such events.

The Knights of Columbus provided basic information on the Spring Festival, and the name of a man to call for additional information, which was then obtained.

No one from the organization that sponsors Public Schools Week made this effort in regard to Public School Week. What was received first was a tentative open house schedule from the Sierra Sands Unified School District Office. Since the information wasn't complete, it wasn't published. When a revised schedule was received, it arrived too late this year to include all of the open house dates at the various schools in the community.

Organizations seeking to publicize community events via the Rocketeer are encouraged to do so. They can help us to help them by providing adequate information on time, and the name and telephone number of someone to call who has more details if they are needed.

A "laundry list" that arrived late of dates and times of Public Schools Week open house activities didn't meet this criteria.

QUESTION

Civilian employee — My position requires that I travel to various contractors across the U.S. In order to make one of these trips, I must complete travel orders and submit them to the Travel Office. The proposed TDY area is in reference to a list that defines the maximum daily amount authorized for a given area. Therein lies my point of contention. If it has been determined that a given area requires a certain amount of money for food and lodging, then why must a traveler have to justify his expenditures in order to meet that determination. It seems to me that a lot of administrative time and paper work, not to mention money, could be saved if the traveler were advanced the predetermined allocation, then upon return have to prove nothing more than the number of days he spent in the area. Thank you.

ANSWER

Your question says in effect "Why don't we just pay a flat daily per diem rate for travelers instead of requiring them to submit receipts, meal costs, and so on, in turn requiring our travel people to spend a lot of time calculating the exact amount of the claim?" I totally agree with your thought that a lot of paperwork and unnecessary expense could be saved if we went on a flat rate basis. In fact, the Naval Weapons Center has proposed this to NAVMAT and in a recent meeting of the Commanding Officers and Technical Directors the headquarters people agreed to consider this notion. Furthermore, the present administration has itself proposed to the Congress that the whole government go over to a flat rate per diem arrangement in order to streamline claims processing and save money. Hopefully this will happen one of these days, but meanwhile we have to go on abiding by the regulations until and unless they are changed.

QUESTION

Civilian — I would just like to comment that I'm very concerned about the amount of vandalism that takes place on the Base, as well as out in town, and I think there should be stricter punishment for vandalism.

I'm especially concerned about the new gymnasium and locker room facility and racquetball courts and all of that area that's being rehabilitated. I think when all that work is completed, very strict rules should be adhered to. I think that the swim team and children's groups that use the facility should be monitored by adults at all times. I think that the facility should be taken care of as well as possible.

I'd like to see a campaign to educate people regarding the feasibility of keeping the athletic facilities in good condition so that other people can enjoy them. I really appreciate what they're doing to improve the gym area. I use the facilities a lot, and I'm glad that they are there, but I'd like to see them well taken care of.

ANSWER

I couldn't agree more.

VX-5 performing OPEVAL on Navy's new F/A-18 Hornet

That sleek new aircraft buzzing over the local area during the past couple of months is the McDonnell Douglas F/A-18 Hornet, the Navy's newest aircraft now undergoing operational evaluation by Air Test and Evaluation Squadron Five.

The F/A-18 Hornet combines the roles of fighter and attack aircraft. It's an all-weather interceptor with the capability to identify and destroy hostile craft. Armament carried by this aircraft includes Sidewinder and Sparrow missiles and 20mm cannon.

The two General Electric turbofan engines with afterburners power the Hornet to 700 knots — twice the speed of sound. The normal thrust of each engine is about 10,700

pounds and with maximum afterburner, this increases to the 16,000-pound class.

The aircraft is 50 feet long, with a wing span of 40 feet with wings extended and 20 feet with wings up. The wings have hydraulically actuated leading edge and trailing edge flaps and ailerons, and the twin rudders and stabilators are also hydraulically actuated.

The pressured cockpit is enclosed by an electrically-operated clam shell canopy. Two dual flight control computers continuously monitor each channel to ensure that each signal agrees with the other three signals. An aircraft battery provides auxiliary electrical power for the aircraft, and owns the auxiliary power unit that is

used to start the engines.

Fuel for the F/A-18 Hornet is carried internally in four inter-connected fuselage tanks and two internal wing tanks, for an internal fuel capacity of 1,512 gallons. If three external fuel tanks are added (each with a 315-gallon capacity), the total fuel capacity becomes 2,456 gallons. The tanks can all be refueled through a single pressure refueling point when the aircraft is on the ground. While in the air, the Hornet can be refueled through the hydraulically-operated aerial refueling probe.

Also on board is one TF/A-18, a two-seat version of the Hornet that is used for training. Unusual in a trainer is that the aircraft's primary role as a fighter is not compromised since avionics provide the

equivalent navigation and weapon system capabilities as those in the single seat aircraft.

In the trainer, the fuel capacity is reduced by 550 lbs. to accommodate the extra cockpit. Rear cockpit controls duplicate navigation and weapons systems control found in the front cockpit but weapons cannot be launched, released, or fired from the rear.

For the next several months skilled pilots will be putting the Hornet through its paces to determine its tactical effectiveness, how best it can be used, how operational it is in a variety of environments, and what fleet pilots will need to know in order to fully use its capabilities.



40-YEAR PIN PRESENTED — Capt. Lahr congratulates LeRoy L. Doig, Jr., after presenting him with a 40-year service pin and certificate. Doig has been at China Lake for 37 of his more than 40 years of Federal service.

LeRoy Doig, Jr., receives pin for 40 years of Federal service

More than four decades of federal service performed by LeRoy L. Doig, Jr., head of the NWC Engineering Department's Acquisition Management Office, was recognized recently by the presentation of a 40-year pin and certificate to Doig by Capt. Lahr.

Doig's service with the federal government began on June 29, 1941 (immediately following his graduation from the University of California at Berkeley) when he went to work as a physicist for the Navy Department's Bureau of Ordnance in San Francisco.

Two months later, Doig sailed for the City of Manila on Luzon in the Philippine Islands, where he was stationed at the Cavite Navy Yard handling a job that involved the protection of Navy ships against magnetic mines.

With the fall of the Philippines to the Japanese early in 1942, Doig was taken prisoner and remained a captive for more than three years during the Japanese occupation of Luzon. He taught math and physics at one of the internment camps until American forces recaptured the Philippines in the spring 1945.

After a short period of annual leave, Doig began work on July 2, 1945, at the Naval Ordnance Test Station, Inyokern, as a physicist in the Ballistics Division of the Ordnance Department, and has been associated with NOTS and the Naval Weapons Center ever since.

Graduate work while on educational leave at UC Berkeley from September 1947 to June 1948 provided Doig with the opportunity to make up for three lost years as an ordnance engineer in the old Ordnance Department.

During the early 1950s, the 40-year pin recipient was involved in aerodynamic research and design studies while employed as a physicist in the Research Department. Programs that he worked on included the Sidewinder and RAT (rocket-assisted torpedo).

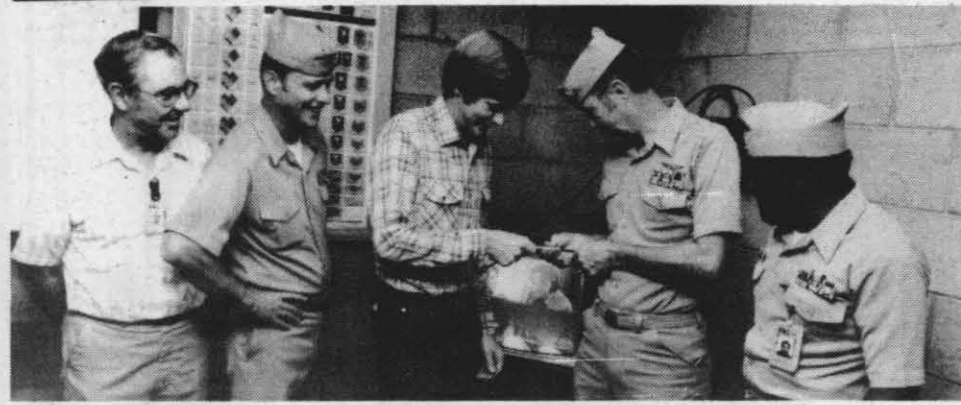
In June 1955, Doig's job title was changed to rocket design engineer and he transferred into the Propellants and Explosives Department, where he became a branch head with duties related to the technical coordination of programs taking NOTS-developed propellants and explosives from their prototype stage to production.

From May 1947 to August 1961, Doig headed a branch in the Weapons Development Department that conducted engineering research and analysis — principally in aerodynamic heating, structural mechanics and flexible body dynamics — and served for the following five years as a division head in this same department with responsibility for planning, coordinating and guiding the applied research programs of the Aeromechanics Division.

Steadily increasing positions of responsibility followed, including work as a consultant to the Weapons Development Department and to the Deputy Technical Director for Strike Systems. He remained in the latter post from July 1973 to December 1974 at which time he went to work on the Plans and Review Staff in the Systems Acquisition Office, where he took the lead in such things as setting up a computerized technical project review process.

Doig, who has been the recipient of several performance-related awards and numerous letters of commendation and appreciation for jobs well done during his lengthy tenure at NWC and its predecessor (NOTS), has held his present position in the Engineering Department since August 1980.

Doig and his wife, Betty, who are residents of Ridgecrest, have four children. They are Leroy III, an employee in the Writing Branch of the NWC Technical Information Department's Publications Division; a daughter, Jean, and a son, Matthew, who are students at the University of California at Irvine — she is a senior and he will be a junior in September; and a third son, Alan, who will be a senior at Burroughs High in the fall.



HOOK UP — Watching as Bill Evans from Coastside Cable TV, Inc., and Capt. Lahr put the final two wires together to complete connections on the television set in the Bachelor Enlisted Quarters are (l. to r.) Richard Malone, head of the Electrical Branch of the Public Works Department; Capt. J. L. Horacek, Public Works Officer; and MSC J. P. Poindecker of the Unaccompanied Enlisted Personnel Housing Division, Military Administration Department. — Photo by Don Cornelius

BEQ gets first TV cable hookup on Center; housing areas next

As of this week, cable television has finally arrived on the Center. The first hookup completed was in the lobby of the Bachelor Enlisted Quarters Tuesday morning; other hook-ups in the BEQ will be completed shortly.

According to representatives of Coastside Cable TV, Inc., the cable connections will be made in one area of the base at a time.

In each area, a flyer will be distributed first. This will be followed by an evening visit by a representative from the cable company, who will explain the services available and will take a deposit on the

converter at that time from those who wish to sign up for service.

The following day, the hook-up will be completed for anyone who signs up for service.

Since only 10 houses per day can be serviced, contacting everyone living on-Center will take probably until early fall.

Personnel from the cable company ask that residents please be patient — and please wait until they are contacted rather than phone in for an appointment since installation is much faster when completed area by area.

Permits available for gathering firewood in Sequoia Nat'l Forest

Permits for gathering firewood in the Sequoia National Forest are now being issued free of charge at Ranger District offices and also at the Lake Isabella Work Center. Depending upon weather conditions, the permits will be valid until around mid-November, and entitle individuals to gather a maximum of five cords of wood.

The late snow and rain storms that hit the Sequoia National Forest delayed opening of the wood gathering areas at the higher elevations. Such places as Big Meadows, North Road, Portuguese Pass, Kern Plateau, the Plutes and Breckenridge Mts. were inaccessible until late in June, forestry officials report.

It is recommended that persons interested in obtaining a permit to gather firewood contact the nearest Forest Service office to inquire about open woodcutting areas, hours that permits are distributed, and spark arrester inspection requirements.

This information can be obtained by local area residents at the Lake Isabella Work Center, Route 2, P.O. Box 1527, Lake Isabella, CA 93240, phone (714) 379-8438; from the Cannell Meadow Ranger District P.O. Box 6, Kernville, CA 93238, phone (714) 276-2294; or the Greenhorn Ranger District, 800 Truxtun Ave., Rm. 322, Bakersfield, CA 93301, phone (805) 861-4212.

Woodcutters are responsible for having a properly operating spark arrester on any chainsaw they use to cut dead wood in the

forest. (Cutting of live trees is prohibited.) These spark arrestors may be inspected before a permit to gather firewood is issued or at the woodcutting site.

Woodcutters are reminded that persons removing wood from National Forest land without a valid permit are subject to fines of up to \$500 and/or a 6-month jail sentence.

Police reports . . .

An expensive bit of vandalism occurred the evening of July 8 when persons unknown sprayed black paint on the sides and hood of a 1978 Chevrolet parked on the south side of the Commissioned Officers' Mess. Damage is estimated at \$500.

BURGLARY REPORTED

A returning vacationer reported to the police that her residence at 520 Stroop had been entered while she was gone from June 18 to July 8, and that a camera, a cassette recorder, a television set, and polaroid camera totaling \$843 were missing. Police reported no sign of a forced entry.

WINDOWS BROKEN

Sometime between July 9 and July 12, persons unknown broke four windows at Vieweg School by throwing rocks. Estimated damage to the school was about \$200.

Someone also entered one of the restrooms and tried prying open a vending machine (presumably after money in the machine) but was unable to do so.

3 Air Force cadets participate in research program

Air Force Academy Cadets Devin Cate, Garry Jared and Robert Stambaugh are this year's participants in a summer research program at the Naval Weapons Center.

The six week program, which is designed to give senior cadets in the top five-to-ten percent of their class "hands-on" experience in the fields of research and development, marks the second year that Air Force Academy cadets have been sent to a Navy research and development organization.

"It's a very prestigious assignment," says Lt. Col. James Gibbons, USAF Liaison Officer. "Only those cadets who measure up

that the cadet can begin and end in a six-week period. And during that time they can't drop their normal work load," he says.

Cadet Devin Cate, who is studying physics at the USAF Academy in Colorado Springs, is working at the Center in the Advanced Optics Technology Branch of the Research Department's Physics Division. His supervisor is Dr. Paul Temple.

He is working on a project to set up a mirror system to treat a fused silica surface (glass) on both sides with a laser beam to make it stronger and more resistant to smashing when lasers go through it.

"My job is to arrange a mirror scheme and write a computer program to show which scheme is best and then to build and test it," explains Cadet Cate.

Cadet Cate, who was brought up in Dallas, Texas, doesn't mind the climate at China Lake and finds that the "NWC employees have a neat attitude. They're really laid back but they get a lot of things done. They take a lot of projects from inception to testing, and then to re-evaluation, and they have all this land in which to do all these strange, secret things."

After his six-week assignment is completed, Cadet Cate plans to spend his three weeks of vacation leave in El Paso, where

his parents now reside, and to attend the World's Fair. His future plans include trying for a graduate scholarship at the USAF Academy with an aim for the Space Division.

"There's lots of laser technology in space," he says.

Cadet Garry Jared, an engineering science major at the Academy, is assigned to the RF Anti-Air Branch in the Weapons Synthesis Division of the Weapons Department. His immediate supervisor is Dr. Robert Smith.

Cadet Jared is working on the auxiliary power unit (APU) for the Advanced Common Intercept Missile Demonstration. His job involves writing out a mathematical model for the APU and studying the torque that the turbine on the APU provides.

Commenting on the intensive six-week program, the cadet from Baxter, Tenn., says that "this will be the longest I've been away from the Academy at one time ever since I've been in."

During his stay at the Naval Weapons Center, Cadet Jared plans to spend some time in training in computer programming.

Having spent his vacation leave in Australia prior to assuming his tour of duty here at the Center, Cadet Jared will return to the Academy the second week of August,

where he will soon apply for a graduate scholarship. He also anticipates participating in undergraduate pilot training.

Cadet Robert Stambaugh, who is studying astronautical engineering at the Academy, is working under supervisor Richard Klabunde in the IR Anti-Air Branch of the Weapons Synthesis Division.

Two areas he is concentrating on are autopilot design and servo-contoller design. "There's no definite stop-point on this project," he says, adding "I'm working on as much as I can while I'm here."

Cadet Stambaugh says that he has been



HITTING THE BOOKS — Cadet Garry Jared, whose summer research assignment on the Advanced Common Intercept Missile Demonstration requires hours of preparatory research, takes advantage of the Center's Technical Library.

anxious to get into the summer research program since his sophomore year at the Academy because he wanted actual "hands-on" experience, as opposed to a purely theoretical background.

Before entering the Academy, the cadet from Santa Rosa, Calif., was planning to be a civil engineering major but changed his mind. "I'm glad I did because it's aerospace engineering that is really going places," he says.

Like his fellow cadets, Stambaugh will try for a graduate scholarship and will seek to enter undergraduate pilot training.

— By Alan Pereira

Center housing residents get facts on snakes from expert

Snakes are the best self-propelled, self-cleaning rodent traps in the world, Mike Robertson, head of the Mojave Green Project, told a large audience at the monthly meeting of residents in Center housing last Monday evening.

Snakes are far less dangerous statistically to health than the diseases carried by fleas on rodents (such as bubonic plague). Of the 45,000 snake bites reported last year in the United States, 8,000 were from poisonous snakes. In about 1,600 cases there was envenomation, and 30 people died.

Ordinarily, there are no more than 12 deaths per year from snakebites in the United States, Robertson noted, but the rest were caused by the bite of a Mojave green rattlesnake, the most poisonous snake in North America, and these 18 people were treated by doctors in areas where the Mojave green is not commonly found so the doctors did not know how to treat the bites properly.

With proper and prompt medical treatment — preferably within 4 hours of the bite — says Robertson, there is no reason why anyone bitten by any of the snakes found in this area should die. Those who go to other areas should check out the medical facilities in those areas to ensure that proper snakebite treatment is available, he added.

Best, however, is to avoid being bitten, Robertson reminded listeners. "Don't put your hands or feet where you haven't looked first, don't walk barefoot at night, and, when you do see a snake that you think is poisonous, stay back from it at least the length of its body because it doesn't need to coil to strike and can strike a distance half the length of its body."

Anyone who spots a snake in a housing area or any place that would endanger anyone was advised to telephone the Ridgecrest Police Department, 375-5044, and ask for a member of the Mojave Green Project to come out and capture the snake.

These snakes are then transferred to Los Angeles County-USC Medical Center to be used in making antivenin. Because of the number of snakes sent down there by the Mojave Green Project team, any local resident or visitors to the Indian Wells Valley who is bitten by a Mojave green would get the needed antivenin free.

Snakes can be found throughout the local area, including amidst residences on base and in town, according to Robertson. Members of the Mojave Green Project have captured snakes as late in the year as Dec. 23, and as early in the year as Jan. 6, so year-round caution is needed whenever the weather is warm.

If someone is bitten, Robertson advises that the individual stay calm, put a loose constricting band between the bite and the heart (loose enough to permit a finger to be slipped beneath it since all that is needed is to slow lymphatic circulation), and head for one of the local medical facilities.

Since rattlers have different kinds of poison, depending on the species, it is important to bring the head of the snake if possible. (If the snake is alive, call the

Visibility problems subject of hearing slated Wed. night

All local residents who are interested in becoming better informed on the problem of visibility in restricted air space R-2508 and the proposed actions of the high desert military activities and NASA are invited to attend a public hearing next Wednesday at 7 p.m. at Cactus Hall in the Community Center.

Tony Van Couren from NWC will make a presentation about the visibility problems faced by NWC; Edwards and George Air Force Bases; Fort Irwin; Air Force Plant 42; and NASA.

Those who attend will have the opportunity to ask questions and to comment on proposed actions.

Mojave Green Project members to catch it, he advises.)

In killing a snake that has bitten someone, be sure not to damage the head because the scales on the snake's head are the best way to determine the kind of snake. Mojave Green Project members will identify the snake to speed proper treatment of the victim.

Barbara Manning, president of the tenant's Community Council, reported that \$22 profit was made at the food booth sponsored by the group at Armed Forces Day — and that she still had a freezer full of doughnuts that had not been sold.

The next meeting will be held at 7 p.m. on Monday, August 9, at the East Wing of the Chapel. The speaker will be announced later.

Energy conservation goals set for Navy through year 2000

Energy conservation is a continuing goal for Department of Navy shore facilities. The goals, as determined against a fiscal year 1975 baseline are defined in OPNAVINST 4100.5B.

Existing buildings (which include those projects approved on or before May 9, 1978) must reduce their energy use, per gross square foot, 20 percent by FY 85, 25 percent by FY 90, 30 percent by FY 95, and 35 percent by FY 2000.

New buildings must achieve a 45 percent reduction by FY 85 measured relative to FY 75-designed average consumption per gross square foot of the same type of building construction.

New sedans and station wagons acquired must use 15 percent less gas by FY 85, 20 percent less by FY 90, and maintain this lower consumption of gas through FY 2000 over the average amount of gasoline consumed by sedans and station wagons in FY 75.

NWC Search, Rescue helo airlifts injured cyclist to hospital

The Bureau of Land Management called on NWC's Search and Rescue helicopter last Saturday to airlift an injured motorcyclist from the Dove Spring area to the Ridgecrest Community Hospital.

The 22-year-old motorcyclist was suspected of having a broken back, broken ribs and internal injuries. The helicopter landed north and west of Red Rock Canyon to medevac him to the closest medical facility.

Flying the SAR helo was LCdr. Byron Dieckman, with an aircrew consisting of A03 John Schatz, A03 Tim Hill, and HN Bill Buckelew. A BLM ranger accompanied the injured man to the hospital.



ORIENTATION — New members of the Hispanic Employment Program Committee are being told their duties by Marvin Backman, chairman of the group. The members are (l. to r.) Louis Orozco, Gabriela Fulton, Backman, and DeWayne Davis. Papan Devnani had also been selected, but has transferred to Washington. Anyone interested in serving on the Committee may get further information by telephoning Nancy Hinman, Hispanic Employment Program Manager, at NWC ext. 2348.



HARD AT WORK — Aviation Storekeeper Airman Apprentice Tim Ballard was selected as NWC Bluejacket of the Quarter for the period of April through June. He now becomes eligible for the Bluejacket of the Year competition sponsored by the Indian Wells Valley Council of the Navy League. For being selected, he will have the use of a Hertz car for a weekend and a \$25 check for gasoline from the Ridgecrest Chamber of Commerce, dinner for 2 at a local restaurant, and a \$25 gift certificate from a local merchant who is a member of the Chamber of Commerce. — Photo by PHAN Rebecca Carpenter

First aid suggestions given for heat stroke, exhaustion, cramps

Summer temperatures have arrived in the local area, and with these comes the possibility of becoming overheated. Heatstroke, heat exhaustion, and heat cramps can result.

Heatstroke (also known as sunstroke) is the most serious and can be life-threatening. The main symptoms of heatstroke are high body temperature, lack of perspiration, and skin that is hot, red and dry. Weakness, headache, dizziness and nausea may also be present.

The very old and the very young are particularly susceptible to heatstroke, as are persons with heart or lung disease. It is the result of prolonged exposure to high temperatures, usually combined with strenuous exercise, intense heat or sunshine, and poor ventilation. Youngsters left in automobiles on hot days are especially prone to heatstroke.

Prompt treatment is necessary. This includes removing all non-essential clothing, and reducing the victim's body temperature (which may soar as high as 106 degrees) as quickly as possible by wrapping him in a wet sheet or by placing cold packs

under his arms, at the ankles, around the neck or anyplace where blood vessels are close to the skin. Medical care must be sought immediately.

Heat exhaustion victims have normal body temperatures, but they have a pale and clammy skin, profuse perspiration, headache, nausea and some dizziness.

This condition is caused by inadequate compensation for fluid loss through perspiration. Alcohol, lack of water, excessive sweating, vomiting or diarrhea or other form of dehydration increase the possibility of getting heat exhaustion.

A victim who is conscious should drink water with a small amount of salt in it — about 1 teaspoon of salt per quart of water. The individual should be treated for shock and medical care should be sought promptly.

Cramping of the abdominal or skeletal muscles and profuse perspiration are the two main symptoms of heat cramps. Failure to replace salt lost in heavy perspiration causes the cramping.

The victim should be moved to a cool place and given slightly salty water to drink. Manual pressure applied to the cramping muscle will also help relieve stress. Medical care is helpful.

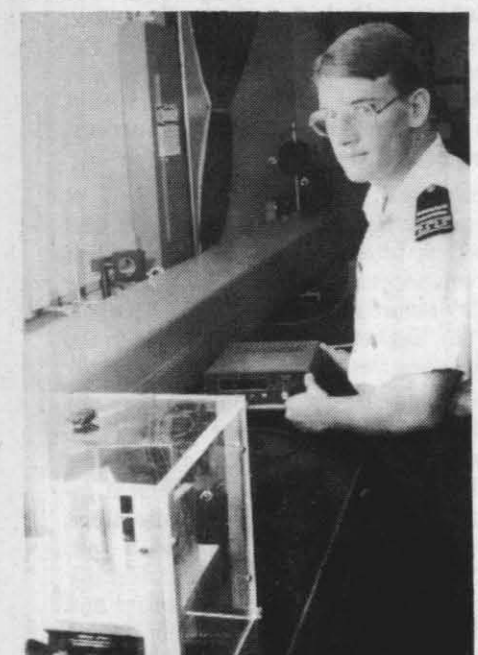
The best way to avoid all three conditions, according to the Kern County Health Department, is to avoid excessive physical exertion during the hottest part of the day; drink lots of water; maintain adequate salt intake; wear appropriate and light-weight clothing (including a hat); avoid excessive sun; and keep children out of parked automobiles on hot days.

UCSB offers course on backpacking for women

Women who have never backpacked and would like to learn to appreciate and trust their inner resources have the opportunity to sign up for a University of California at Santa Barbara extension course entitled "Wilderness Experience for Women — High Sierra" that will be conducted from August 2 through 6. Fee for the course is \$120.

Jood Lee, a graduate of Outward Bound School, will instruct the course.

Complete details and enrollment information may be obtained by telephoning UCSB Extension at (805) 832-5928 by July 26.



TESTING STAGE — Cadet Devin Cate, whose work on a mirror system for the proper focus of a laser beam is nearly completed, makes an adjustment to increase the power of the beam.

academically, militarily, and who are entering their senior year are eligible to participate."

It was Lt. Col. Gibbons who, with the support of Capt. William B. Haff, then NWC Commander, and Bob Hillyer, then Technical Director, initiated the program at the Center in 1981. Up until that time, no Naval facilities had ever participated; most cadets either went to NASA or Air Force laboratories for their summer research assignments.

Lt. Col. Gibbons stresses the invaluable support of the NWC employees who supervise the cadets. "The hosts must establish projects that are meaningful —



BUSY AT COMPUTER — Cadet Robert Stambaugh uses a Hewlett Packard 45 computer to work out a missile control program. The computer is an essential tool for the young astronautical engineer.