

CHALLENGE — One of the many youngsters who attended the Country Fair at Solar Park last Saturday morning tries to pick up an apple in his teeth underwater. A variety of games, exhibit booths and other activities highlighted this summer event sponsored by the Recreational Service Department. — Photo by Peggy Shoaff

Beware of heat stress

Washington (NNS) — With summer's heat and high humidity upon us, it is important to be aware of some basic facts concerning symptoms of heat stress.

The combination of heat and high humidity make it very difficult for the body's perspiration to have a cooling effect. Heat stress is broken down into two stages: heat exhaustion and heat stroke.

During heat exhaustion, some of the symptoms include: stomach cramps, flushed skin, profuse sweating, dizziness and headache. If these symptoms occur, the person should take a break from work, get out of the heat or sun, drink plenty of liquids and cool off.

Heat stroke is the second stage. During heat stroke, the body can no longer regulate its own temperature. Heat stroke is characterized by pale, dry skin; high body temperature; and confusion or un-

consciousness. Cool, wet towels and water should be applied to bring down the person's body temperature and seek immediate medical attention.

To avoid heat exhaustion and heat stroke, follow these simple rules: Pace yourself. Your body can't function well when it's too hot. When your body says it's too hot, take heed. Dress for the heat. Lightweight, light-colored clothing helps reflect heat. Drink plenty of water. Eat lightly. Food can increase metabolic heat production and water loss. Monitor your time when you are working in hot areas. Watch the time you spend in direct sunlight. Sunburn interferes with the skin's ability to shed heat. Exercise during the coolest hours of the day. Stay in shape. Good physical condition increases your body's ability to dissipate heat. Excess fat insulates the body, causing heat retention.

NEX News

Those ordering 7-inch or smaller photoglazed plates next week will get a special bonus — a free mailing box for the plate.

Sunday is another of the Super Sunday sales at the NEX. Early bird specials will be featured from 10 a.m. until noon. Those who can't get over to the NEX retail store before noon will still have until 2 p.m. to take advantage of all the special sale prices.

Also, there'll be a special pre-Labor Day sale underway from Aug. 20 through 24 for all bargain hunters.

Concert Association membership renewals due by August 20th

It is time to renew Indian Wells Valley Concert Association (IWVCA) memberships. To allow adequate time for the processing of member renewal orders before season tickets go on sale to the general public, IWVCA needs to know the intentions of members by August 20.

Members may pay with checks, money orders or Visa and MasterCard, or payment may be deferred until September 16.

The usual reduced-rate categories will continue to receive a discount of about 35 percent of the general rates.



	Max	Min	Peak Gust
Fri.	109	65	20 knots
Sat.	108	69	23 knots
Sun.	105	75	18 knots
Mon.	106	71	21 knots
Tues.	106	73	19 knots
Wed.	106	70	20 knots
Thurs.	108	68	19 knots

All measurements are made at Armitage Airfield.

Consumer Information catalog lists a variety of info booklets

Want advice on getting your child through the first day of school? How to grow nut trees? Or how to go about getting a lawyer?

These and more than 200 other topics are discussed in free or low-priced booklets listed in the 1986 summer edition of "Consumer Information Catalog."

Some of the publications you can order are: "Clearing the Air: A Guide to Quitting Smoking" (561 pp., free) gives you tips for cutting down or quitting and lists well-known programs to help kick the habit.

"Plain Talk About When Your Child Starts School" (506 pp., free) contains suggestions for helping your child during the first days of school.

"Growing Fruits and Nuts" is an illustrated guide to selecting, planning and maintaining fruit trees, nut trees and berry plants (422 pp., \$.50).

"How to Choose and Use a Lawyer" (592 pp., free) answers questions about fees, referrals, what to do when you have a problem with a lawyer and other legal resources.

Want to give up meat? "Vegetarian Diets" (528 pp., free) tells about the benefits and possible risks.

If you have applied for credit and been turned down, "The Fair Credit Reporting Act" (415 pp., \$.50) explains how you can learn what is in your credit report, how you can see a summary of the report at no cost and how you can get information in the report corrected.

Have you ever been billed for mail order items you didn't want? "Mail Order Rights" (593 pp., free) tells you what to do about unordered merchandise, cancelled orders, unsatisfactory delays and payment disputes.

To get a free catalog listing more than 200 other booklets or to order single copies of the above free booklets (when you order two or more, \$1 should be enclosed to defray costs), mail your order to: S.

James, Consumer Information Center-Y, P.O. Box 100, Pueblo, CO 81002.

To order any of the booklets for which there is a charge, mail your order to: R. Woods, Consumer Information Center-Y, P.O. Box 100, Pueblo, CO 81002.

Pools available from September 2 to 7 for special events

Although the Center's outdoor swimming pools will be open only through Labor Day, from Sept. 2 to 7 they will still be available for party reservations.

Anyone planning to have a special event at the CPO, COM or EM pool is asked to call the Center gym by Monday so that staff will be available. To reserve an outdoor pool, a facility request can be filled out and turned in at the gym.

More information about the pools and how to reserve a pool can be obtained by telephoning NWC ext. 2334 or 2571.

Heavy rains last year cause increased fire hazard this year

Heavy rains falling last winter and spring have increased fire hazards throughout Kern County's mountain and brushy areas, according to Chief Carl W. Williams of the Kern County Fire Department.

Last year the Kern County Fire Department responded to 800 vegetation fires that destroyed 15,191 acres.

Nine out of ten of the more than 10,000 rural wildland fires in California each year caused by people, either accidentally or intentionally. Vehicles cause more than 1,000 wildland fires in the state and 20 percent of wildland fires are a result of arson.

Chief Williams reminds everyone in the county the Kern County Fire Department needs the assistance of everyone to help eliminate accidental fires and arson.

Movies

FRIDAY, SUNDAY	AUGUST 15, 17
"GUNG HO" Starring Michael Keaton and George Wendt (Comedy, rated PG-13, 112 min.)	
SATURDAY, MONDAY	AUGUST 16, 18
"HANNAH AND HER SISTERS" Starring Woody Allen and Mia Farrow (Dramatic Comedy, rated PG-13, 106 min.)	
TUESDAY	AUGUST 19
MATINEE "RAINBOW BRIDE & THE STAR STEALERS" (Animated, rated G, 85 min.)	
WEDNESDAY	AUGUST 20
"BILL COSBY, HIMSELF" Starring Bill Cosby (Comedy, rated PG, 104 min.)	
THURSDAY	AUGUST 21
MATINEE "GREMLINS" Starring Zach Galligan, Phoebe Cates and Hoyt Axton (Fantasy, rated PG, 107 min.)	
FRIDAY	AUGUST 22
"APRIL FOOL'S DAY" Starring Griffin O'Neal and Deborah Foreman (Horror-Drama, rated R, 89 min.)	
Starting Times: Matinee / 2 pm. Evening / 7 pm	
(G) ALL AGES ADMITTED General Audience (PG) ALL AGES ADMITTED Parental Guidance Suggested (R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian	

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FROM: _____ PLACE STAMP HERE

TO: _____

Capt. John A. Burt assumes Command of NWC during traditional ceremony held Wednesday

In what Admiral James B. Busey, Vice Chief of Naval Operations, called "A very special and traditional ceremony," Capt. John A. Burt assumed Command of the Naval Weapons Center from Capt. John W. Patterson Wednesday morning.

Admiral Busey told the distinguished guests, military and civilian personnel present that, "It is here, at a place like the Naval Weapons Center, that you are closer to our technological leading edge than at almost any other place in the country. It is no small boast to note that most of the conventional airborne weaponry used by the free world today was developed here at China Lake."

He noted that the nation's ability to execute its maritime strategy depends on the ability to develop weapon and delivery systems that are both technologically superior and tactically practical.

"That, in a nutshell," he continued, "is the connection between the important theory of the maritime strategy and the reality of what is done day-in and day-out here at China Lake. . . and it is a challenge that you have met, in times of war and peace, since 1943."

"The China Lake philosophy of combining the talents of dedicated and resourceful scientists with those of imaginative, decisive and experienced naval officers has long been seen in the Navy as a unique strength within our research and development program. It is what you do best!"



JOINT ACTION — Capt. J. A. Burt and Capt. J.W. Patterson, new and former Commander, Naval Weapons Center, salute Vice Chief of Naval Operations Admiral J.B. Busey, IV.

Admiral Busey explained that teamwork is an important concept in research and development activities, and that "For China Lake, I see this new emphasis as focusing your activities along the lines of the things you do best. . . . Primarily continuing your fine tradition of expanding the outer bounds of technology in the weapons field."

The Vice Chief of Naval Operations then discussed the background of the incoming Center Commander, adding that "Capt. Burt's billet at NAVAIR not only demanded the talents of an adept circus juggler but also the management expertise of a top business executive."

He continued, "John's highly successful record at NAVAIR was an inspiration to all of us and his data base on different weapons systems, avionics suites, engines and aircraft is enormous. He is also a fine engineer and a superb business manager. This will serve him in good stead as he assumes the important duties of Commanding Officer here at NWC."

Capt. Patterson, after thanking Admiral Busey for flying to China Lake for the ceremony, also expressed his appreciation to Camille Martin, who gathered the 35 civilian band members that played for the ceremony when a military band was not available. "When the system can't respond," he added, "China Lake will innovate."

He continued to the assembled audience that "Six weeks ago I promised you'll have the team you deserve. You now have this team with Capt. Burt, Gerry Schieffer, Capt. Valovich, Bill Porter and Jack Russell."

In discussing a significant missile firing that took place on Monday, he said that he had been asked whether he would list the names of all those responsible, but felt that he could not because "Where would you stop?" since everyone at "The Lake" shares in the work.

Speaking to the civilian employees, Capt. Patterson said, "You are part of the Navy. You are Navy. Your dedication and sacrifice is as great as that of the most grizzled veteran."

He added that the civilians all could earn much more money elsewhere where they would not have to live in a remote area, that they cheerfully put in many unpaid hours of overtime and that when weapons needed combat testing, they volunteered for that duty also.

(Continued on Page 7)

Aerospace engineer wins Technical Director's Award

Arthur C. Black, Jr., an aerospace engineer in the Systems Technology Branch of the Ordnance Systems Department, is the newest proud recipient of the Technical Director's Award.

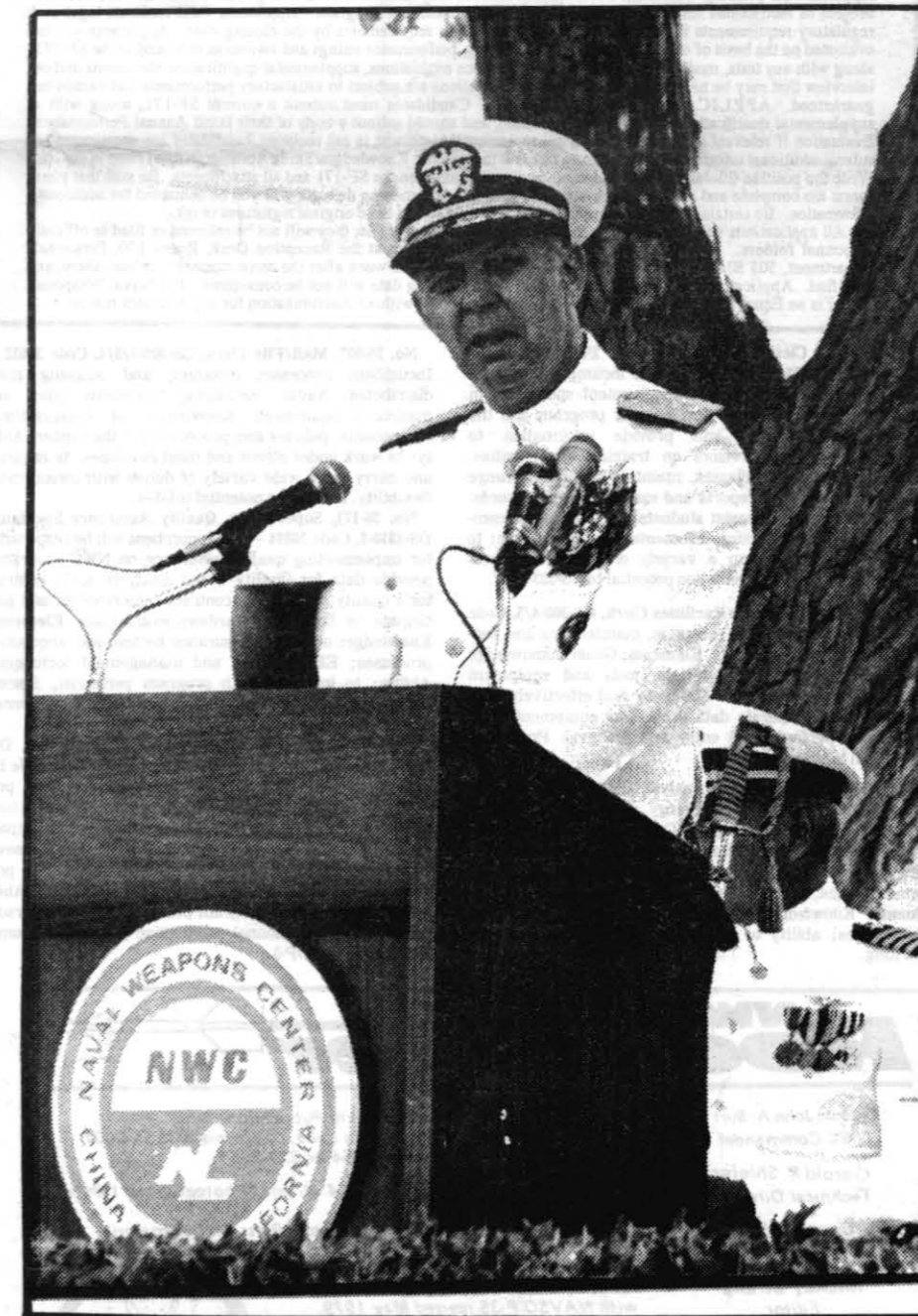
Last Friday Black was presented the award at what he thought was to be a branch meeting; the surprised Black was then given the award by Gerry Schieffer, NWC Technical Director, for work done while acting as Vertical Launch (VLA) ASROC test engineer. In this job, Black had full responsibility for planning and coordination of the VLA flight test program.

Schieffer noted that he had held the same

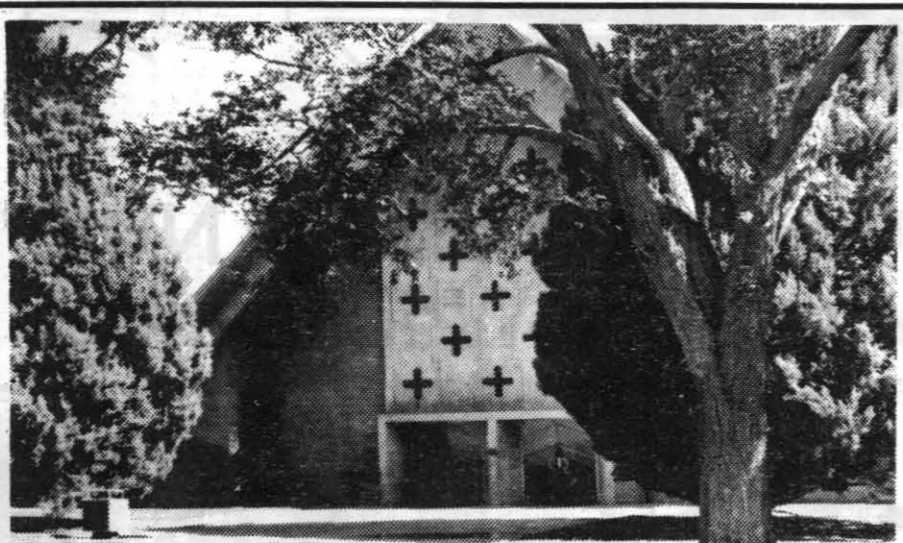
responsibility for the Shrike program, so he was aware of the need for competent and environmental testing, installation and checkout of launcher, systems tests and the final preflight checks. "I learned a lot while I was doing that," Schieffer noted, "especially the need to dig into any problems to see what can go wrong and to be sure that it doesn't."

At the time that the letter of nomination for Black was written by John M. Robbins, Technical Manager of the VLA Missile, two completely successful firings had been held. Schieffer added that everything in

(Continued on Page 7)



WELCOME WORDS — Admiral Busey, who has many times been a visitor at China Lake during his 33-year career, tells the military and civilian personnel present last Wednesday morning that the teamwork between the two groups provides a unique strength to the Navy's research and development program. — Photos by PH2 Rick Moore



Divine Services

PROTESTANT
SUNDAY WORSHIP SERVICE 10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing) 9 a.m.
BIBLE STUDY (East Wing)

Wednesday 11:30 a.m. Sept. through June
 Thursday 7:00 p.m. Officer's Christian Fellowship
 Christian Military Fellowship
ROMAN CATHOLIC

SUNDAY MASS 9:00 a.m.
CONFESSIONS (Sunday) 8:15-8:45 a.m.
COMMUNION SERVICE (Monday) 11:35 a.m.
DAILY MASS (Tuesday through Friday) 11:35 a.m.
CONFESSIONS (Friday) 4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May 10:30 a.m.

JEWISH
WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4) 9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4) 1 p.m.

Chaplain J. Milton Collins, Capt., CHC, USN
 Chaplain A. J. Smith, Cdr., CHC, USN
 Hearing impaired equipment available. Nursery available.
 Phone NWC ext. 3506, 2773

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from appointable Department of Navy employees within the area of consideration and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Appointable means career or career conditional employees, temporary employees with reinstatement or VRA eligibility and employees serving under Veterans Readjustment Appointments (VRAs). Alternative recruitment sources may also be used in filling these positions; vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applications will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. APPLICATION PROCEDURES: Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which then addresses the specific Knowledge/Skills/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number on the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink. All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

- No. 09-079, Clerk-Typist, GS-323-3/A, Personnel Clerk (Typing), GS-303-4, Code 894 — The incumbent will provide assistance to employee development specialists in carrying out the clerical development program and the self-study programs; will provide information to employees and supervisors on training opportunities, enroll employees in classes, maintain records, arrange for classes, prepare reports and maintain fiscal records. Incumbent will also assist students with the use of computer assisted instruction. Elements: Ability to type; to organize; and perform a variety of duties with considerable flexibility. Promotion potential to GS-303-5.
- No. 26-056, Production Facilities Clerk, GS-303-4/5, Code 26402 — Responsible for reception, maintenance and control of all trouble call charts. Elements: General knowledge of the crafts, skills, materials, tools and equipment maintenance procedures. Ability to deal effectively with others; and to operate data processing equipment sufficiently to perform data entry and retrieval. Promotion potential to GS-5.
- No. 26-052, Management Analyst, DP-343-3, Code 26C05 — Incumbent serves as energy conservation officer responsible for managing the Center's energy conservation program. This position requires substantial interfacing, controlling, coordinating and planning with Center management, other agencies and private industry. Elements: Knowledge of management practices, theories, techniques; ability to communicate both orally and in writing.
- No. 26-051, Interdisciplinary General/Civil/Mechanical/Electrical Engineer, DP-801/810/830/850-3, Code 26C05 — Serves as Energy Conservation Officer, responsible for managing the Center's energy conservation program. This position requires substantial interfacing, controlling, coordinating and planning with the Center management, other agencies and private industry. To apply forward an updated SF-171 to Bill Bonner, Code 26C.
- No. 62C-001, Interdisciplinary (General/Electronics/Mechanical/Aerospace Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/830/861/1310/1520/1530-3, Code 62C2 — This position is that of project engineer in the Ground and Track Projects Office of the Range Department. The incumbent provides overall test project management of assigned projects including coordination, documentation and fiscal management. The incumbent translates project test requirements into range resource requirements and generates the required documentation including test plans. The incumbent serves as the primary contact between sponsors and range personnel. Sponsors are from both on-center and off-center and include SPAWARS, Marines, Air Force, Army, private contractors and foreign military. Little to no travel is required. Good balance between desk work and field work. Incumbent must be able to communicate effectively with all levels of Center management. To apply, send an updated SF-171 to George Ostermann, Code 62C2, NWC ext. 5808. Previous applicants need not apply. Promotion potential to DP-3.
- No. 00-023, Director of Catholic Religious Education, Director of Protestant Religious Education, Director of Jewish Religious Education, Director of Protestant Music Program, Director of Catholic Music Program, Code 021 (5 vacancies) — Not Civil Service positions and not subject to Merit Promotion procedures. These positions are on a contractual basis. Qualifications for all of the above, with the exception of Director of Jewish Religious Education, is five years experience in respective fields. Director of Jewish Religious Education qualification: Rabbinical student with one year's residency in Palestine. These positions are located in the Chaplain's office, Code 021. All interested persons should contact Kay Pickett, Code 2022, Supply Department, (619) 939-3647, before the close of business on 8/29/86.
- No. 00-024, Secretary (Typing), GS-318-6, Code 00 — This position is located in the Office of the Commander. The incumbent reports to the secretary to the Commander. Duties include reviewing all correspondence for the Commander. Knowledge of the Center operation and correspondence regulations is required. Promotion potential to GS-6.
- No. 33-023, Computer Scientist, DP-1550-1, Code 3381 — The incumbent of this position analyzes aircraft survivability and weapon lethality using digital computer simulation techniques. Maintains vulnerability and susceptibility data bases. Knowledge of Data General MV-8000 computer or equivalent; of FORTRAN 77; of standard professional techniques. Promotion potential to DP-3.

SECRETARIAL OPPORTUNITIES

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against 4 or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processors; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for Branch Secretary will be rated on elements 1/2/3/5/8; Division Secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office Secretary applicants will be rated on elements 1/2/3/4/5/8/9; and Department Secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

- No. 35-056, Secretary (Typing), GS-318-5/6, Code 3505 — Provides support to the Sidarm Technical Management Office. Knowledge of and experience working with the Xerox 860 desirable, but not required. Promotion potential to GS-6 however it is not guaranteed.

Long-term training applicants being sought

Applications for long-term graduate-level training (training off-Center for a period of 120 consecutive days or longer) beginning Spring 1987 are invited from interested NWC employees.

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

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

- (1) To update an employee's knowledge where there has been an appreciable lapse of time since the initial academic preparation for employment and subsequent in-service training.
- (2) To provide a technically oriented employee with tools of management when job responsibilities have or will become predominantly managerial in nature.
- (3) To expand an employee's knowledge and background within his or her occupational specialty, whether he or she occupies a technical or non-technical position, by providing an opportunity to learn about significant developments or breakthroughs as they pertain to the mission of the Center.
- (4) To acquire knowledge of some aspects of another occupation as they relate to an employee's present occupation where responsibilities tend to be inter-disciplinary or multidisciplinary in nature.
- (5) To provide for educational opportunities stressing motivational and human relations factors that contribute to effective technical and managerial competence.

Graduate programs are supported by NWC. The Long Term Training Committee (LTTTC) will consider applications in any area of study that relate directly to NWC program requirements. The primary criteria the LTTTC follows in determining when long-term training is used in lieu of after-hours, part-time, or short-term programs are as follows:

- (1) The new knowledge and skills required of the employee, either in present or planned career assignments, necessitates a comprehensive, concentrated program of study.
- (2) The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term, full-time duration is required.
- (3) It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.
- (4) There is no educational institution or academic program in the local or community area for part-time or after-hours training.

Office of Civilian Personnel Management funds are available to cover the trainee's travel allowances to and from the school, tuition and fees required for enrollment, and payment for moving his or her immediate family and household goods to the school and back to the Center. NWC will be responsible for the trainee's salary.

The following areas of critical need have been established by Center management: electrical engineering (particularly systems, microelectronics, radio frequency technology, digital communications, software, electronics, modern controls, radar systems, avionics, and semiconductors); mechanical engineering (analytic mechanics, mechanical design); aeronautical engineering; chemistry (advanced analytic techniques, polymer chemistry); physics (particularly optical science, microwave, semiconductors, and detonation physics); material science (composites); computer science (in a specialization other than that offered at NWC); reliability engineering; applied mathematics; and management engineering; applied mathematics; and management information systems. Programs of study are not limited to these areas.

Further details of the long-term training program are provided in NAVWPNCEN INST 12410.5L of September 20, 1982, and Long-Term Training Handbook. Both sources are available from department offices or from the Training Center. The long-term training application process has been streamlined since issuance of the handbook, so applicants are advised to contact Code 094 (NWC ext. 2349, Training Center, Rm. 212) for application forms. The deadline for submission of applications for programs commencing in the Spring semester or Spring quarter of 1987 is October 1. Counseling regarding the various programs and on application procedures is available from Code 094, Nancy Saxton, NWC ext. 2349.

Counseling on academic programs in technical areas is available from Steve Lee, Code 094, NWC ext. 2468.

Waiver lifted for FEGLI age restriction

Previously regulations restricted the cancellation of a waiver of Federal Employees' Group Life Insurance (FEGLI) coverage to employees under the age of 50. These regulations were changed effective July 14, lifting the requirement that an employee be under age 50 to cancel a waiver. An employee may now cancel a waiver and become insured at any age if at least one year has elapsed since the effective date of the last waiver and if the employee provides satisfactory evidence of insurability.

If you have questions call Virginia Spille or Sandra Tolson at NWC ext. 2018.

Applications for child care at CCC available

Enrollment applications for children two years old and potty trained, and up to the age for enrollment in kindergarten are being accepted by the Child Development Center at Cerro Coso Community College.

This state-funded program helps low income families provide quality child care for parents working full-time or enrolled at the college.

Positions open in the program will be based on a priority basis of family size, income and number of hours that child care is needed. Tuition for the program is on a sliding scale based on the same criteria as enrollment.

Parents interested in filling out an application or finding out more information about this program should stop by the Child Development Center at Cerro Coso or call the college at 375-5001 and ask for Pam Yelland.

Change of Command...

(Continued from Page 1)

"You are the best part of the Navy," he continued to all those present, "dedicated people doing your job, and I thank you for the support that you have given me." Capt. Burt then read his orders, finishing with the traditional, "Captain Patterson, I relieve you, Sir."

"This is indeed a proud day for me," he said. "It is an honor and a pleasure for me to stand before you as your Commander. Captain Patterson, Captain Dickerson and their predecessors in command here have set a high standard which I will strive to attain as your leader. However, I have set a higher goal for myself. My goal is to be more than 'The Captain' or 'The Skipper.' I want to become a part of the China Lake team and the China Lake way."

Capt. Burt continued, "I hope that my talents can merge with yours and together we can move forward to better the past record of the Naval Weapons Center in providing the technical expertise that leads to the development and production of the tools necessary for Navy and Marine front line units all over the world to protect the peace that is so fragile and so important."

He concluded, "I look forward to the challenges and joys which will go with this position and most of all, I look forward to working closely with each of you."



PROUD MOMENT — Accepting the Technical Director's Award from Center TD Gerry Schiefer is Art Black, as Capt. John Patterson, then NWC Commander, looks on.
 — Photo by PH2 Rick Moore

Accident results in fatality

Last Friday evening a 3-year-old boy, James Billingsley, Jr., died as a result of injuries received in a motorcycle accident that occurred on Center land in the dirt area between Highway 178 and the Center's boundary fence.

According to a witness to the accident, William Woodward, the boy and his father were riding a yellow Suzuki RM250 motorcycle near Dixie Wash and North Inyo Road at 7:05 p.m. when the motorcycle became airborne after it hit the berm. When Woodward did not see the cycle continue, he stopped his car and went to see if the rider needed assistance.

He found both the little boy and his father, James Billingsley, 23, and rendered first aid to them before going to call for help. Both the China Lake and Ridgecrest police responded. Billingsley and his son were transported to the Ridgecrest Community Hospital, where the boy died at 8:13 p.m.

The father was subsequently transported to the Antelope Valley Hospital for treatment of head injuries and has been moved to Kern Medical Center in Bakersfield.

Neither father nor son were wearing any protective head gear. Billingsley was arrested shortly after the accident for driving under the influence of alcohol and causing a death, a felony in California.

Billingsley was temporarily living in this area working for a construction contractor.

Black earns TD award...

(Continued from Page 1)

those firings happened exactly right because of the careful work done by a lot of people and that since then another three firings have been held.

Since Black's work included bringing the resources and personnel of five separate organizations together to achieve the success of the flight test vehicles, and since he had continued to be the single point of contact for VLA T&E issues, Schiefer commented to Black that "Your job has been tough — you've had to educate people regarding what T&E stands for."

Black said that while he was very surprised at receiving the award, he accepted it as an indication of recognition of how hard everyone in the organization had worked to bring about the successful VLA tests.

Black, who holds a bachelor's degree in mechanical engineering from California State University Long Beach, has been employed at China Lake since early 1965.

Make water safe

Campers who are concerned that they have safe drinking water can either boil their water or add chemicals to the water they intend to use, according to the University of California.

River, pond or canal water should be boiled 20 minutes to kill bacteria. Simpler is to add two to three drops of tincture of iodine, or two or three drips of two percent hypochlorite bleach, or one or two drops of five percent chlorine bleach for each quart of water. If the water is cloudy, these amounts should be tripled. The water should then stand 30 minutes before being used.

Halazone tablets, formerly used to make water safe to drink, have been removed from the market by the USDA Food and Drug Department because the tablets were found to be unstable in storage, losing their potency.

Grad lunch set September 12

On September 12, a graduation luncheon will be held honoring the Center's graduates of the past academic year in the Business Administration, Computer Science, Electrical Engineering, Mechanical Engineering and Applied Mechanics and Fellowship and Cooperative Education Programs.

The luncheon will be held from 11:30 a.m. until 1 p.m. at the Commissioned Officers' Mess. Friends, supervisors, co-workers and instructors of the graduates are invited to attend.

Menu choices are a chef salad or hot roast beef; either is \$5. Reservations must be made no later than Monday, Sept. 8, by telephoning NWC ext. 2634.

Speakers at the graduation luncheon include Gerry Schiefer, NWC Technical Director; Dr. Fred Dorer, Vice President of Instruction, Cal-State Bakersfield; Dr. Gary Watters, Dean of the School of Engineering, Computer Science and Technology, Cal-State University Chico; Dr. A.F. Ratcliffe, Dean of the School of Engineering and Computer Science, Cal-State University Northridge; Dr. Paul Riley, Dean of Continuing Education, Cerro Coso Community College; and Curt Bryan, head of the Aerosystems Department and chairman of the Long Term Training Committee.



MAKING PLANS — Norman Alexander, John Guy and Kurt Reese get together at the Commissioned Officers' Mess pool to put the finishing touches on plans for the annual Junior Professional party on Saturday, Aug. 23. Friends, families and co-workers are invited to swim, dance to DJ music and enjoy the beer, munchies and sodas available. Tickets are \$3 if purchased in advance or \$4 at the door, and can be purchased from department JP coordinators or JP recreation committee representatives.
 — Photo by PH2 Rick Moore

AIDS tests done

People who suspect that they may have been exposed to the Acquired Immune Deficiency Syndrome (AIDS) virus can take advantage of the confidential HTLV III Antibody testing services offered by the Kern County Health Department.

(A positive result on the test reveals only that the person has been infected by the virus; it does not indicate that the individual has AIDS now or will develop the disease in the future.)

Tests are free and anonymous; no names are asked. Results are interpreted and follow-up and referral provided as needed.

Tests are given at the Health Department clinic at 1700 Flower Street, Bakersfield, as follows: Tuesdays from 2:30 to 7:30 p.m.; Wednesdays, 2:30 to 7:30 p.m.; and Thursdays, 6 to 7:30 p.m.

More information about AIDS or the clinic schedule can be obtained by telephoning the Kern County Health Department at (805) 861-3651.

Deer hunt starts

Bow hunters are looking forward to the opening of the D-8 and D-9 archery deer season tomorrow. From all reports, those who are skilled should have no trouble in getting their deer.

Bird hunters are also excited at the prospect of an unusually good season. They are reminded that dove season doesn't open until Labor Day, September 1. Department of Fish and Game personnel will be out in force that weekend to ensure that no one tries to get off to an early start.

NWC Rocketeer

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 Technical Director

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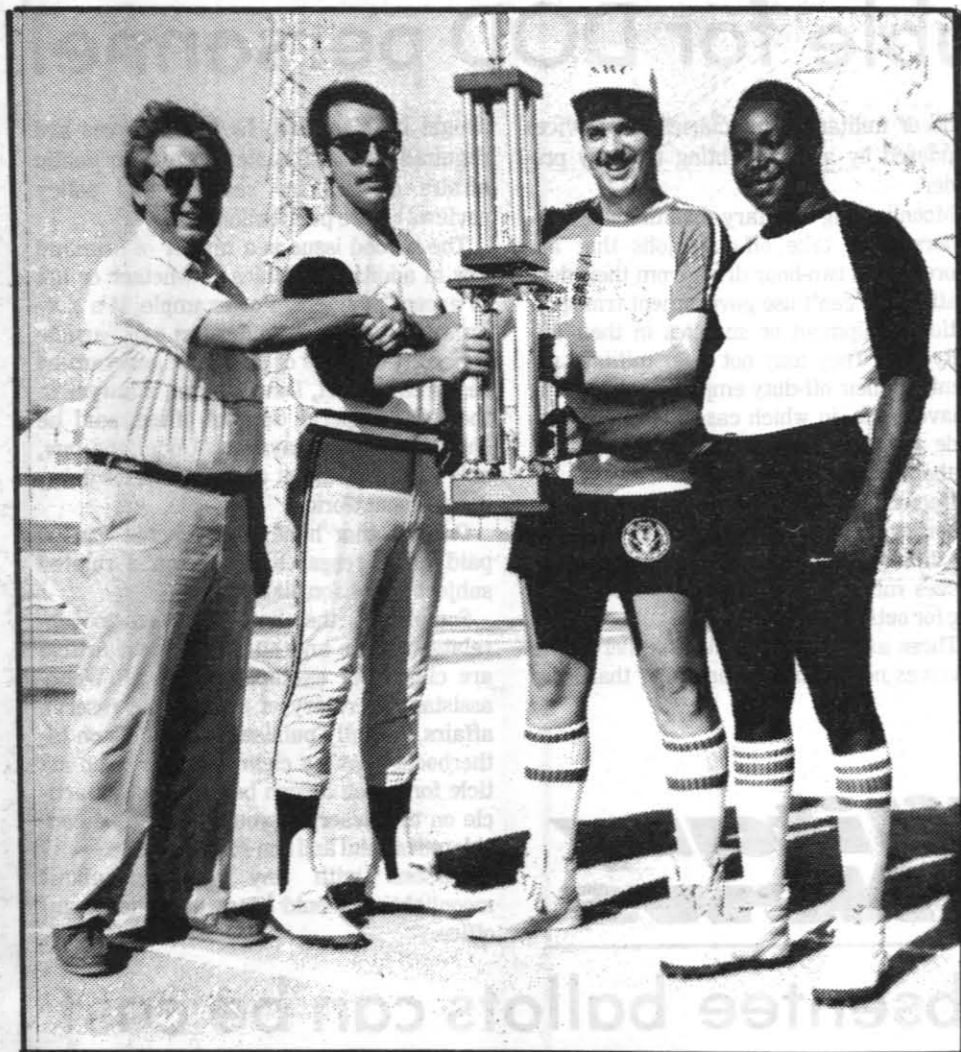
PH2 Rick Moore
 Staff Photographer

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HAPPY WINNERS — Presenting representatives of the NWC Varsity Team with the first place team trophy for winning the American Division of the Ridgecrest Softball League is (far left) Bill Bersie, City Recreation Director. Accepting the trophy are (l. to r.) Mike Egge, Scott Washburn and Jesse Pigford. — Photo by PH2 Rick Moore

Deadline approaching for sign up for hunter class

Tuesday, Aug. 19 is the deadline to register for the hunter safety class being offered by the Sierra Desert Gun Club. The two-day class will be held Aug. 23 and 24 from 8 a.m. to 3:30 p.m. at the club's facilities on board the Naval Weapons Center. Registration can be done in the Ridgecrest Police Station lobby tomorrow from 9 a.m. to 1 p.m. and Tuesday from 7 to 9 p.m.

All first-time purchasers of a California hunting license must receive training in firearms and archery safety from a certified hunter safety instructor.

This class involves about 15 hours of classroom instruction including a one-hour written final exam. The class is open to residents of the Indian Wells and Searles Valleys and surrounding areas. Students must be more than 12 years old and registration is limited to 50 persons. There is a \$10 registration fee, \$8 of which will be refunded upon completion of the class.



Sports

General license includes Salton Sea

Salton Sea anglers who confuse sport-fishing licenses could find themselves in court for a fish and game violation. The problem, according to California Department of Fish and Game officials, comes from anglers who do not know the difference between an ocean and a sea and an ocean and saltwater.

An ocean license is not a saltwater license. In fact there is no such thing as a

saltwater license, just a general sport-fishing license and the ocean license, good for the Pacific Ocean only. The general license is good for the ocean and any lake, reservoir, river, creek, stream or sea in the state where fishing is allowed.

The Salton Sea, an inland saltwater sea, is covered under the general license, but not the ocean license.

Going fishing a good way to beat summer heat

Going fishing in the Owens and Long Valleys or in the Sierra is a good way to cool off from August heat and spend a relaxing day as well. Fishing is fair to good in almost all lakes and streams, and the scenery is spectacular.

At Lake Sabrina and South Lake anglers are catching stocked rainbow trout up to 12 inches in length, as well as browns and brookies. Red eggs, worms and cheese are what the fish like.

Both wet and dry flies are enticing fish in the Mammoth basin lakes. The Twin Lake

Special and Charley Crockett are working very well, as are mosquitoes. Hot Creek is strictly a fly-fishing stream; it's especially good for wet flies right now.

Crowley's special season fishing means that only trout over 18 inches in length can be kept and there's a limit of two. Fly-and-bubble combinations with olive matuka flies are catching the most fish.

Fishing at June Lake is best in the afternoon and evening. Red eggs, garlic marshmallows, Triple Teasers and Needlefish

are what trout are going for, while in Gull Lake, trout prefer red eggs and Zeke's floating bait. Worms and red eggs work best in Rush Creek, whereas in Grant Lake, nightcrawlers seem to catch more fish. In the evening, black Mepps and California mosquitoes are what fish have been going after.

Anglers should remember that if fish are going after mosquito flies, that means that lots of mosquitoes can be found in the area. Plenty of repellent is still needed.

In the Bridgeport area, the East Walker River is producing catches of trout that run from 5 to 7 pounds. Best fishing at Bridgeport reservoir is in Buckeye Bay.

The Green Lakes basin fish like bait and dry flies, while in the Virginia Lakes, dry flies are working best and fishing is only fair with bait.

Fishing at Lake Isabella is now picking up for catfish. Those using anchovies, clams and other salt-water bait are catching cats weighing 7 to 8 pounds. The cats are being caught in all the south fork areas such as Henning Flat, Rabbit Island and Brown's Cave. Camp Nine is also a good place to go fishing.

Big fish — 12- to 14-inches — are being planted in the Kern River above Kernville. Happy anglers are catching these on red salmon eggs and marshmallows.

Junior tennis tourney set

Eligible to participate in the fifth annual Open Junior Tennis Tournament to be held Aug. 23 and 24 are two categories of players: those under 16 and those under 18.

The nonsanctioned event is sponsored by the NWC Recreational Services Department and the China Lake Tennis Club. USTA rules and guidelines apply with the coordinator's decision final on any interpretation of the rules. The winner must take two out of three sets, there will be no-ad scoring and a 12-point tiebreaker at six games each. Ten-game pro sets may be played in the early rounds if needed. Both winners and runners-up will receive awards.

Events include singles and doubles, but no mixed doubles. For the doubles event, if

one of the players is over 16, then both will be entered in the older group. Determining birthdates are Aug. 25, 1969 for the younger group and Aug. 25, 1967 for the other.

Entry fees are \$5 for singles and \$8 for the team in the doubles. Checks must be made payable to the China Lake Tennis Club. All entries with fees must be received by 6 p.m. Monday; they should be mailed to China Lake Tennis Club, P.O. Box 1530, Ridgecrest, CA 93555.

All participants are invited to the Websters' for free hot dogs, soft drinks and swimming from 6 to 9 p.m. on August 23. The Websters' address is 819 Sonja Street, Ridgecrest.

Director of the tournament is Bob Forrester, 375-5847.

Rec Services offers golf lessons

Registration has begun for the next class for beginning golfers that will be held each Monday and Friday at 11:30 a.m. from September 5 through October 3. The hour-long, twice-weekly classes are taught by Richard Newton.

Along with the basic strokes, classes will also cover golf etiquette, how to repair divots, basic rules and how handicapping works.

Newton, a graduate of the University of South Florida, has worked at a number of

golf courses and has taught golf previously. He currently holds a low handicap at the China Lake course.

Cost of the month-long series of classes is \$50. Registration is at the golf course Pro Shop.

As well as the group lessons, private lessons will be offered on Saturdays at \$2 per hour.

Further information can be obtained at the Pro Shop, NWC ext. 2990.



LEARNING HOW — Bill Van Houten, one of the students in July's beginning golf class, gets some pointers from instructor Rich Newton. Of the 10 members in the July class, two were military, six were DOD civilians and one was a 12-year-old dependent.

Employees have duty to report fraud, waste

All NWC employees have a duty to report suspected problems of fraud, waste and mismanagement. Suspected problems can be reported to the NWC Hotline, ext. 3636. Protecting the confidentiality of Hotline users who prefer not to be identified is required by federal law.

An employee whose disclosure may involve classified information or information covered by the Privacy Act should seek advice of legal counsel prior to making the disclosure to ensure that the disclosures are made to authorities authorized by law to receive them.

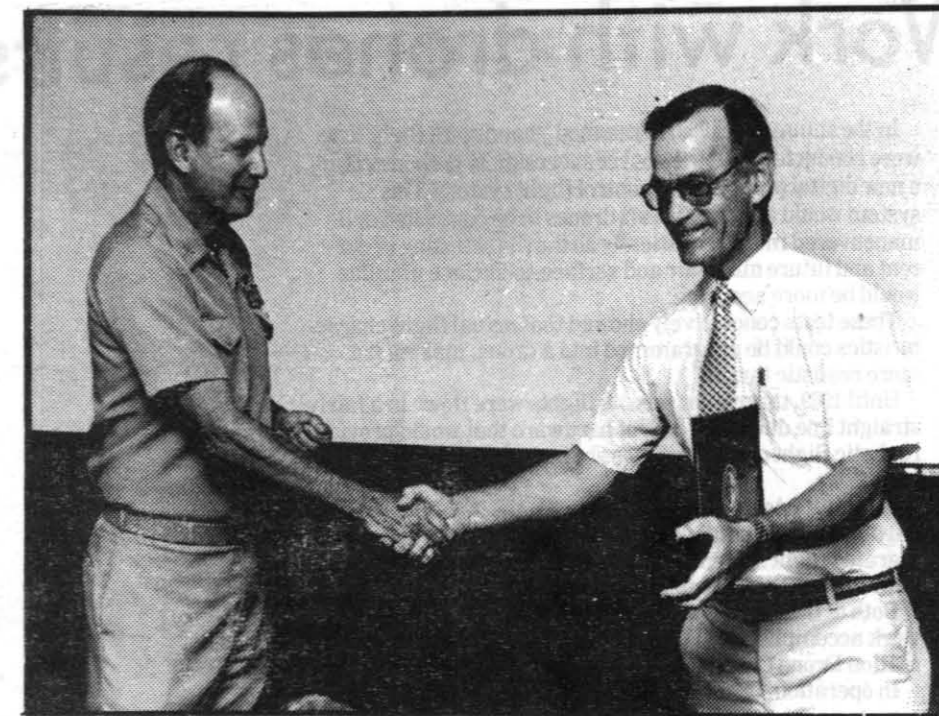
The Civil Service Reform Act of 1978 protects employees against personnel actions taken as a reprisal for disclosure of information where the employee reasonably believes the information evidences: 1) a violation of any law, rule or regulation; 2) mismanagement, waste or abuse of authority; and 3) substantial and specific danger to public health or safety, if such disclosure is not specifically prohibited by law and if the information is not specifically required by Executive Order to be kept secret in the interest of national defense or

the conduct of foreign affairs.

Reprisals may include, but are not limited to, the following actions: harassing, failing to promote, demoting, demeaning conduct, assigning to a menial job, providing excessive counseling, assign to jobs the person cannot complete and then giving an adverse report, transferring and providing a letter of reprimand.

Protection extends to a disclosure where a person "reasonably believes" the information evidences either: 1) mismanagement; 2) gross waste of funds; 3) abuse of authority; or 4) a substantial and specific danger to public health or safety.

An employee would not be protected under law if he or she wrongfully discloses records covered by the Privacy Act. Neither would this protection extend to a similar disclosure of properly classified information. This area of records and information disclosure is so technical and specialized that civilian or military executives (or their employees) should seek the advice of legal counsel before disclosing this type of information.



OUTSTANDING PERFORMANCE — Capt. J.W. Patterson, then Center Commander, congratulates Robert Gritton for the work he has done that earned him the Commander's Award for Excellence in Mission Support. — Photo by PH2 Rick Moore

Gritton gets Cmdr's Award

"This is one of the best parts of being Center Commander," Capt. John Patterson told Robert Gritton last Monday morning as he presented Gritton with the Commander's Award for Excellence in Mission Support.

Capt. Patterson, then NWC Commander, said it had been difficult to decide whether to present Gritton with the Commander's Award or the Technical Director's Award for his work as Assistant Program Manager for Administration in the Advanced Seeker Program Office (implementing the Joint HARM Low Cost Seeker), but that the Commander's Award seemed more appropriate.

The Skipper continued, "Bob's the one that makes the Low Cost Seeker go because of his acute business sense. This particular program is constituted very differently than any other, so Bob has had to carry a lot of extra responsibilities. He's to be congratulated on the outstanding job that he's done."

The letter of nomination written by Hugh Drake, associate head of the Electronic Warfare department, says "Mr. Gritton's administrative performance has extended far beyond that normally expected of

Center program managers; he has developed and used innovative planning, fiscal and management approaches on the HARM LCS Program which have been invaluable in meeting its objectives and controlling costs."

The letter continues, "He has used these skills and approaches to successfully administer the Center's design, development and management efforts for the HARM LCS Program, the development efforts of two major competitive industrial firms supporting the Program and a myriad of smaller contract efforts."

"In an environment which has constantly changed, has involved an extremely aggressive schedule and which has had the continue high-priority of Center management, DNL, SPAWAR, OPNAV, Air Force, SECNAV, OSD and Congress, Mr. Gritton's unceasing efforts have been instrumental in meeting all major program milestones and in not only controlling program costs but actually reducing them below original estimates," says the letter of nomination.

Gritton, a supervisory program analyst, joined the China Lake work force in March 1966. He holds a bachelor's degree in business administration from California State College Bakersfield.

OES offers class here

A course in Radiological Monitoring will be offered in late September. This 12-hour Federal Emergency Management Agency course is being offered under the auspices of the California State Office of Emergency Services and will be taught by R. Lee Peters, NWC ext. 2466.

The course is intended to cover highway or conflict-related disasters or fallout shelter monitoring. Use of various types of radiological monitoring equipment will be

covered. Participants must be at least 18 years old to enroll. There are no other prerequisites.

Follow-on Red Cross courses in shelter management and mass feeding will be offered.

Please call Dennis LeBlanc at 939-5415 so dates and times for the course can be planned. The class schedule will be arranged at the convenience of the class members.

Navy Relief Class scheduled

The Navy Relief Society is offering a course that includes information about Navy pay and allowances, military benefits and financial management. It will be offered September 29 through October 3 from 9 a.m. to 1 p.m. in the Navy Relief building, 1811 Lauritsen Road.

Those who complete the course may volunteer to assist Navy Relief. However, people wanting to take the class to gain in-

formation for their own personal use are encouraged to do so.

Free child care will be provided during the course. In addition, NRS is looking for former volunteers to help out for the next few weeks.

For more information on the course, or to volunteer assistance to the NRS, contact Renee Phillips or Carolyn Hunsicker at 446-4746.

John Weaver becomes Stanford Sloan Fellow

Off to Stanford as the Center's latest Sloan Fellow is John Weaver, who has headed the Mission Support Systems Program Office in the Aircraft Weapons Integration Department since May 1984.

The Stanford Sloan Program is a nine-

month executive program at the Graduate School of Business at Stanford University. Attendance is limited to 42 middle management executives from both public and private sectors in the United States and abroad. In the 1986-87 group, Weaver, two

Air Force personnel and one other individual represent the public sector. Fourteen of the new class members are from foreign countries and all the rest are from the private sector.

Weaver says that he chose the Stanford Sloan program rather than the one at the Massachusetts Institute of Technology because it is strongly oriented toward United States business management; it does not involve an overseas trip.

Along with the academic classes and seminars for the Sloan Fellows, there's a strong spouse program, says Weaver. His wife, Judy, a third-grade teacher locally, will be taking classes at Stanford as well as attending the special events for Sloan spouses.

Their son, Patrick, 21, will not join them at Palo Alto because he's majoring in engineering at California State University in Fresno, nor will their daughter, Kelly, 19, an education major at Southern California College in Costa Mesa. Their two foster daughters, Terry, 16 and Monica, 12, will, however, go north with the Weavers.

"They're as excited about it as we are," he says.

Weaver, who grew up on a farm in Madera County, earned a bachelor's degree in mechanical engineering at Fresno before going to work at NWC as a Junior Profes-

sional employee in 1968. He says that he's been interested in management since that time, having been the only one in his group that took a management tour during the JP year.

He also holds a master's degree in computer sciences from California State University Chico that he earned through the Center's external degree program. Weaver served as local teaching assistant for the Chico computer science program in 1981 and 1982, and taught the Assemblers Class at Cerro Coso in both the winter of 1983 and spring of 1984.

Weaver says that he's especially interested in developing organizational management skills and developing and implementing organizational strategies and hopes to be able to emphasize this interest in the class that he will be taking under the Sloan program.

This will not leave him much time for his current hobbies of working with computers, playing racquetball, backpacking and traveling.

"At the orientation when we met all the other Sloan Fellows," he says, "we were told that we'd be putting in very long days with classroom activities, projects and studies. It should be a very productive year — and, I believe, a very enjoyable one as well."



ON HIS WAY — John Weaver looks forward to spending the next nine months at Palo Alto as a Stanford Sloan Fellow.

Work with drones results in realistic targets

In the summer of 1969, 17 manned "hands off" flight tests were conducted with the goal of successfully demonstrating a new digital proportional control flight system. This system would enable aircraft drones to be controlled and maneuvered more realistically so the flight testing of current and future air-to-air and surface-to-surface missiles would be more accurate.

These tests conclusively showed that actual flight characteristics could be programmed into a drone, making it a more realistic target.

Until 1969, targets for missile flights were flown in a fairly straight line due to the lack of hardware that would provide realistic flight characteristics shown by an evading aerial target.

In addition to these conclusive tests, the NWC developed hardware (the digital proportional flight system and an integrated flight system) also gave the drone controller a pilot's eye-view while operating the drone.

Both of these systems were direct follow-on projects from work accomplished at China Lake on the Automatic Formation Drone Control and Visual Control Programs.

In operation, the drone controller "flew" the drone from a remote position. Television images, transmitted from a camera mounted in the nose of a drone imparted the "feel" of the drone's flight characteristics by showing the relationship to the horizon on the monitor.

These tests concluded that landings, take-offs, High "G" and split "S" maneuvers, and high speed low altitude flights could all be performed by the drone controller, thus aiding the mission of NWC.



China Lake Police Reports

Police were called Friday morning to check out a suspicious person. When they investigated, they discovered that the individual was in his underwear, inebriated and asleep in a car.

+++

Tempers joined the temperature in rising last weekend. Police received four separate "keep the peace" calls. The first came from the Old Duplex area Friday, with an altercation between a man and a woman. On Saturday in the Site B Capeharts, an altercation between a husband and wife resulted in police being called to quell the discussion. Sunday a squabble resulted when a woman came to pick up her child from her husband, and Sunday night late in the B Capeharts a man and woman got involved in a physical altercation that resulted in the police being called.

+++

Two "keep the peace" calls were made to police because of loud noise, both in the

Site B Capehart area. In the first, police asked the individual to turn down the volume on the music. In the second instance, the OOD responded and terminated the party that was underway.

+++

Someone removed gym shoes and toiletries from the NWC gym, according to a report filed by the victim of the petty theft.

+++

When police made a traffic stop Friday evening they discovered that the driver was under the influence. The driver spent the next five hours in the CLPD station before being cited into court and released.

+++

In an accident on the dirt trail along Richmond Road, the driver of an ATC was injured and transported to the Ridgecrest Community Hospital for treatment of cuts.

+++

Another driver who was under the in-

fluence of alcohol was picked up by CLPD officers Saturday evening when they made a traffic stop. This driver also spent five hours in the station sobering up before being cited and released.

+++

When police checked out a "suspicious person" call early Sunday morning they found a subject asleep on the porch of a vacant residence. The OOD responded also and took charge of the subject.

+++

Last week in an Area R traffic collision, one car struck another while backing up. Although no one was injured, one of the cars suffered moderate damage and the other suffered minor damage.

+++

Unknown persons damaged an unoccupied residence in the B Capehart housing.

+++

An unknown person removed a toy from a box in the Navy Exchange Mini Mart.

Vandals broke the left side mirror off a motorcycle in the Michelson Laboratory parking lot.

+++

A vehicle backed into a parked target at the SNORT area. Minor damage to the vehicle resulted.

+++

Neighbors complained of a barking dog in the Site B Capeharts. The police responded and quieted the dog.

+++

Value of missing electronic gear from Warehouse 15 was sufficient to make this a grand theft.

+++

Unknown persons removed \$15 from a cash register in the Hangar 2 barber shop.

+++

Three juveniles were involved in a physical altercation in the Site B Capeharts. A battery report was filed after one of them got hit with a skateboard.

Fred Ashbrook earns award for 40 years federal service

Fred M. Ashbrook, an electronics engineer in the Systems Technology Office of the Weapons Department, was presented a 40-year federal service pin Tuesday by Capt. J.W. Patterson, then NWC Commander.

The native of Alhambra, California, came to what was then the Naval Ordnance Test Station in February 1946 as a physicist in the Test Department. Prior to that time he had received a degree in electronic engineering from the California Institute of Technology.

Among other accomplishments, he developed, built and operated components of the first radio timing system and various antennas, as well as developing specialized receiving equipment for detecting and recording the spin rate of rockets.

Ashbrook's work with electronics continued by his becoming responsible for developing, transmitting and receiving equipment including encoding and computational units for use in an information transfer link. He also held much of the responsibility for the development of instrumentation to be used on the China Lake

test ranges. Throughout his time at China Lake, Ashbrook has held a number of supervisory positions in addition to his work as an electronics engineer. He has received numerous awards and was nominated for the Michelson Laboratories Award in 1971.

Eleanor Johnsen Protocol Officer

Eleanor Johnsen will be the Center's Protocol Officer, Code 0031, starting Monday. Joining Mrs. Johnsen in this detail that is expected to last for several months will be her secretary, Sandra Wydra. Telephone numbers of the Protocol Office include NWC ext. 1364 and 1365.

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hrs.)
or call the Inspector General at:
(800)522-3451 (toll free)
288-6743 (Autovon)
(202)433-6743 (commercial)



LENGTHY SERVICE — Fred Ashbrook holds the certificate he received with his 40-year service pin on Tuesday morning. Joining him are his wife, Marge; Capt. J.W. Patterson, then Center Commander; and Gerry Schiefer, Center Technical Director. The Ashbrooks moved to China Lake in early 1946 and have remained here since that date.

Second job can cause trouble for DOD personnel

While the government doesn't frown on moonlighting (secondary jobs) for military personnel or civilian DOD employees, there are basic guidelines that must be followed. These guidelines are spelled out in great detail by the DOD "Standards of Conduct," (Directive 5500.7); "Off-Duty Employment by DOD Health Care Providers," (Directive 6025.7); and "Clearance of DOD Information for Public Release," (5230.9) which concerns procedures for DOD employees who wish to write articles or sell photographs to outside publications.

The gist of these guidelines is — work for off-duty employers must not be done on government premises using government equipment and supplies or using privileged information. It must not endanger national security, nor must it interfere with the individual's ability to do his or her government job. It must not involve selling goods or services to subordinates and it must be compatible with the government's interest — usually meaning it must not embarrass the government.

"The government tends to approve of some off-duty activities," said Robert Gilliat, DOD assistant general counsel.

"Teaching, for example. It's perfectly fine for a government auditor to teach auditing, as long as he doesn't go into detail about a specific case naming a specific contractor."

Rules applying to health care providers wishing to do off-duty work were tightened up in October 1985. Active duty and civilian physicians, dentists, psychologists, nurses and other health care providers must now obtain their commanding officer's written permission before engaging in off-duty employment.

In general, off-duty work must not exceed 16 hours per week and there must be a six-hour "rest period" between the end of the off-duty shift and the beginning of the military shift. Their employers must release them if they are recalled to military duty and cannot charge CHAM-

PUS or military beneficiaries for services rendered by a moonlighting military provider.

Moonlighting military health care providers can't take off-duty jobs that are more than a two-hour drive from their duty station and can't use government transportation, equipment or supplies in their off-duty jobs. They may not refer military patients to their off-duty employer unless it is unavoidable, in which case they must provide a written explanation for the referral to their commanding officer.

Deciding what is legal and ethical in other areas concerning moonlighting can be difficult. An especially tricky area involves military and DOD employees writing for outside publications.

There are two points at issue here. One involves not publishing anything that is or

should be classified. DOD employees are required to submit materials to their public affairs officers for security and policy reviews before publication.

The second issue is a matter of criminal law in addition to ethics — whether or not to accept payment. For example, if a government scientist publishes an article reporting findings of a specific government research project, David Ream, a lawyer in the DOD General Counsel office, said he shouldn't accept payment. Under the law, only the government can pay him for doing government work.

On the other hand, the scientist can be paid for a research article on a related subject written on his own time.

Sometimes the lines between a job-related article and an independent article are clear. For example, James H. Webb, assistant secretary of defense for reserve affairs, recently published an article on fatherhood. That's a clear example of an article for which he can be paid. But an article on the Reserves would have to be considered official and non-reimbursable.

Persons with any question about moonlighting should check with their legal office.



Military News

Voting information given so absentee ballots can be cast

"The right to vote is one of our most important rights as citizens," Secretary of Defense Caspar W. Weinberger recently said in his Armed Forces Voters Week message to service members.

During Armed Forces Voters Week, Sept. 8-12, nine states, the District of Columbia and the Virgin Islands will hold primary elections. An additional four states hold their primaries the following week. In the primaries, candidates will be

selected for U.S. senator, U.S. representative, governor and many other state government offices.

Following is a list of the dates on which the primaries are being held and where:

Sept. 2 — Florida, Nevada; Sept. 6 — Delaware, Guam; Sept. 9 — Arizona, Connecticut, District of Columbia, Maryland, Minnesota, New Hampshire, New York, Rhode Island, Vermont, Virgin Islands, Wisconsin; Sept. 16 — Massachusetts,

Washington; and Sept. 20 — Hawaii, Louisiana.

The general elections will be held Nov. 4.

For information on obtaining a ballot or voting absentee, contact your unit or base voting assistance officer or counselor.

In a taped video presentation in which he encouraged service members and their dependents to vote, Weinberger cited America's heritage of voting freedom.

"Thanks to our forefathers and those who have defended our freedoms in the past," he said, "we have the freedom to choose our leaders. We have enjoyed these freedoms for more than 200 years. Many thank these freedoms for granted."

"Our voting slogan this year is 'America by choice not chance.' Let's make it that way. Vote!"

By Hal Haskins

American Forces Information Service

Wearing seat belts does save lives

Only 14 percent of Americans regularly wear their seat belts, estimates the National Highway Traffic Safety Administration. Other sources are more optimistic in their figures, but all are well below 50 percent.

Seat belts save lives, but only if you use them. In the state of New York, officials report 170 fewer driver and passenger deaths in the first six months since its mandatory seat belt law became effective. During that period, 438 persons died versus an average of 608 fatalities per six-month-period over the past five years.

That statistic is more impressive when you consider that the mere existence of a law does not mean everyone obeys it. Drinking drivers are the least likely to buckle up — researchers in New York found that only 21 percent of bar patrons buckled up, versus a not more impressive 35 percent for other drivers.

Time seems to lessen the impact of buckle-up laws as well. A survey in Michigan found that in July 1985, right after a mandatory seat belt law went into effect, only 58 percent of front seat drivers were buckled up. By December, the rate declined to 43 percent, which was an improvement over the state's pre-law rate of 20 percent, but well below full compliance.

"If you think seat belts are confining, try a body cast," proclaims on safety poster. Seat belts not only save lives, but they can cut the chance of death or serious injury in half. The rate of facial fractures alone went down by two-thirds after a seat belt law went into effect in Sweden.

This is because seat belts offer protection from the "second" or "human" collision. When a car stops, people who are not restrained by a seat belt will fly toward the point of impact, colliding with the dashboard, steering wheel or windshield.

Although some people still say they are afraid of being trapped inside a burning car, "... fiery crashes are rare except on television," said North Carolina highway

safety expert Patricia F. Waller. Waller said that out of 3.5 million vehicles involved in crashes in her state, only 1,291 of those vehicles experienced post-crash fires. And in only three instances was a belted driver killed in a crash involving fire. And experts analyzing these three accidents believe the drivers were dead before the fire started. On the other hand, 72 unbelted drivers were fatally injured in post-crash fires, while 56 belted drivers survived.

Some people think seat belts are only for long trips. Fortunately, Marine Sgt. James Wilson is not one of them. Wilson was driving no more than 10 miles away from his quarters when his brand new car was struck by another car. The impact pushed

Wilson's car into oncoming traffic and an unfortunate motorcyclist. The motorcyclist suffered a broken leg. Wilson, who always "automatically" wears his seatbelt, was physically unharmed. However his new \$14,000 car was a total loss.

Part of the radiator wrapped itself around the engine. The engine mounts broke loose. The manifold buckled into a "Z" shape. The hood bent into the right front side and ripped the "T-top." The right side of the car roof was crushed 15 inches. Said Wilson, "I look back now and thank God for my seatbelt. The instant of the crash, I thought I had met my maker."

By Evelyn D. Harris

American Forces Information Services



HAPPY EVENT — Officer-in-Charge of the Explosives Ordnance Disposal Group One Detachment China Lake John L. Scott beams as he is frocked as Lieutenant Commander. Pinning on the insignia of his rank are Capt. J. Patterson, then Center Commander, and Mary McCre, a friend. LCdr. Scott has been in the Navy for 16 years; he came to China Lake last October following duty at EOD Mobile Unit One in Barbers Point, Hawaii. — Photo by PH2 Rick Moore

Flight insurance offered by SATO

(NNS) Military personnel and civilians employed with the military now automatically have \$150,000 flight insurance on scheduled airline flights when they purchase the tickets through the Scheduled Airline Traffic Offices, Inc. (SATO).

SATO services are available to active duty people, their dependents, reservists and civilian employees. Tickets can be purchased for both personal and official travel.

The "Tele-Trip" insurance is offered through SATO offices located on all major military installations in the continental United States, Hawaii, Anchorage, Alaska and Puerto Rico. The insurance is not available in New York, Oregon or Pennsylvania. "Tele-Trip" automatically covers passengers for accidental death, dismemberment or loss of sight resulting from accidents happening on scheduled airlines, providing the ticket was purchased through a SATO office.

Research helpful

The Defense Department funds research and development for a wide range of technologies — from engineering to biology. And whenever possible, the benefits of this research are shared with the private sector.

For example, patients who have been determined to have brain tumors by means of CATSCAN — a diagnostic technique in which signals are "bounced" off the brain — are reaping one benefit of Navy research. CATSCAN is based on the principles of ocean acoustic tomography, in which sonar signals are bounced off the ocean floor.