

### Burroughs Summer Players to present 'Theatre X Three'

The Burroughs Summer Players, a group composed of members of the high school's summer drama class under the supervision of Alan Kubik, will present "Theatre X Three" at 8:15 p.m. on Thursday, Friday and Saturday, July 19, 20 and 21, in the Burroughs lecture center.

The production consists of three student-directed one-act plays.

"The Trysting Place," a 1920's comedy by Brooks Atkinson, will be directed by Brett Battles. Featured in the cast are Gwyn Standard, Jon Bell, Kasey Coleman, Kim Lorang, Jay Skeer, Frank Bushnell and Corey Winn.

"The Wall," an unusual drama by Vern E. Powers, will be directed by Gunnar Andersen. Cast members include Steve Parode, Sue Taylor, Matt Doig, Charles Creusere, Debbie Reid, Paul Weimholt and Corey Winn.

"Beautiful Beulah Belle" (or "Virtue's Various Vicissitudes"), an old-fashioned melodrama by Robert C. Yoh, will be directed by Cheri Knight. Performers include Becky Hoffman, Shawn Dugan, Elizabeth Longo, Diane Miller, Carl Young, Theresa McDonald and Sue Wolverton. Noretta Barker is assistant director.

The technical director for the production is Matt Doig. Gunnar Andersen is the lighting designer and Walter Rowntree is the lighting director. Properties and set dressings are the responsibility of Karyn Dorrell. Sue Taylor is the costume coordinator and Randi Thompson is the makeup artist.

Tickets, priced at \$1.50 for general admission and \$1.25 for students, enlisted personnel and senior citizens, will be available in advance from cast members or at The Studio in Ridgecrest. Tickets also will be on sale at the lecture center box office before each performance.

### Museum to sponsor speaker on famous Shroud of Turin

A renowned chemist will speak on the famous Shroud of Turin at a Maturango Museum-sponsored meeting next Wednesday, July 18, at 7:30 p.m. in the Cerro Coso Community College lecture hall.

Dr. Ray Rogers, a long-time employee of Los Alamos Scientific Laboratory and head of a group dealing with the chemistry of explosives, was one of a team of well-established scientists who travelled to Turin, Italy, last year to perform physical and chemical analysis on the shroud that reposes in the cathedral there.

The Shroud of Turin has been a mystery to many and an object of reverence to some for many years. A piece of cloth that has the dimensions and characteristics of shrouds used in premedieval and medieval days, the shroud has been authenticated as being at least that old. On the cloth is imprinted an image of a man — and it is this image that has made the shroud so important to mystics.

Legend has it that the Shroud of Turin may be the shroud of Christ; this legend is fed by the shape of the image, which is in the form of a crucified man.

During his lecture, Dr. Rogers will discuss the findings of the group of scientists, and his theories on the age of the fabric and the presence of the image imprinted there.

The lecture is free of charge, and the public is invited to attend.

### Nominees sought for 'Employee in the Spotlight'

Centerites who feel they have a coworker who would be a good subject for the "Employee in the Spotlight" column are asked to call Ernest Sutfon of The Rocketeer at NWC Ext. 3354.

Final selection of an individual by the editor is based on newsworthiness of the person who is nominated.



IT LOOKS REAL!! — Mary Netzer (left), the Protestant Women of the Chapel's tattoo lady, paints a washable tattoo onto the arm of Sandy Baldwin in preparation for the 28th annual ice cream social. This event will be held on the lawn of the All Faith Chapel on Tuesday from 6 to 8:30 p.m. All Indian Wells Valley residents are invited to attend the annual event. — Photo by PH2 Tony Garcia

### Burros Boosters to sponsor variety review as fund raiser for gymnasium

A "Summer Variety Review" will be presented in the Burroughs High School lecture center on Sunday at 8 p.m. to raise funds for the renovation of the high school gymnasium.

The evening of entertainment, sponsored by the Burros Boosters Club and produced by the Burroughs Players, will include singers, dancers, instrumentalists, magicians, gymnasts, and a few surprises.

Co-hosts for Show

Randi Thompson and Bob Smith will co-host the festivities. Smith was recently selected to perform next year with the well known "Up With People" group, while Thompson is a familiar Burroughs drama performer. In addition to his master of ceremonies duties, Smith, who was seen in



Commissioned Officers' Mess

A Friday the 13th Membership Night party will be held this evening for members and guests of the Commissioned Officers' Mess.

The evening will begin with a buffet dinner of barbecued chicken, baked potatoes, corn on the cob, hot biscuits and cold slaw served from 6:30 to 9. This will be followed by dancing until midnight.

Reservations are still being taken at the COM for Membership Night and also for the annual luau scheduled on Friday, July 27.

The luau will feature the Leihialani Polynesian Review, an exotic island luau buffet from 7 to 9 p.m., and music for dancing from 9 to 1 o'clock. Prizes will be awarded for the most authentic island costumes worn.

Tickets will not be sold at the door on the night of the luau. Reservations will close on Tuesday, July 24.

Enlisted Mess

"The Teasers," a five-piece band, will perform tonight for the listening and dancing pleasure of Enlisted Mess patrons from 9 to 1:30 a.m.

This group, formerly featured at JD's in Ridgecrest, plays the top 40 song selections, as well as rock and roll and music from the 1950s.

EM members are invited to come early and enjoy a sea food platter dinner that will be served in the dining room from 6 to 8:30 p.m.

### Ice cream social scheduled Tuesday at All Faith Chapel

Fun, fellowship and refreshments are being offered Indian Wells Valley residents by the Protestant Women of the Chapel (PWOC) at the 28th annual ice cream social to be held on the All Faith Chapel lawn and East Wing on Tuesday from 6 to 8:30 p.m.

The Protestant Women promise something for everyone, including homemade ice cream, cake, pie and entertainment by Ken Robinson and his Dixieland band.

Adults will be asked to donate \$1.25 for ice cream, pie or cake and coffee while children will receive ice cream, cake or pie and punch for 50 cents.

Tickets will be sold for 25 cents for children's activities such as the tattoo lady (washable tattoos drawn on children's arms), fish pond, pick-a-pocket lady (her spacious pockets hold handmade treasures), and for two tickets the senior high group's pie throw and helium balloons.

All proceeds from the ice cream social will go to mission projects supported by the PWOC, such as the Rescue Mission and Friendship House in Bakersfield, Teen Challenge, Project Concern in Tijuana, the Ludiana Christian Medical College in India, Wycliffe Bible Translators, and to some local projects.

Tickets may be purchased at the social or earlier at the All Faith Chapel office. They will also be available on Sunday after the Protestant Congregation services.

**MOVIES**

REGULAR STARTING TIME — 7:30 P.M.  
For synopsis information call Code O Phone 939-2411

There will be no Saturday matinees until further notice.

FRIDAY	"THE DARK"	JULY 13
	Starring William Devane and Keenan Wynn (Science fiction, rated R, 90 min.)	
SATURDAY	"TRUE GRIT"	JULY 14
	Starring John Wayne (Western drama, rated G)	
MONDAY	"INVASION OF THE BODY SNATCHERS"	JULY 16
	Starring Donald Sutherland and Brooke Adams (Science fiction, rated PG, 123 min.)	
WEDNESDAY	"FORCE TEN FROM NAVARONE"	JULY 18
	Starring Robert Shaw and Harrison Ford (Adventure drama, rated PG, 119 min.)	
FRIDAY	"HEAVEN CAN WAIT"	JULY 20
	Starring Warren Beatty and Julie Christie (Drama, rated PG, 108 min.)	
SATURDAY	"PROMISE"	JULY 21
	Starring Kathleen Quinlan and Stephen Collins (Melodrama, rated PG, 97 min.)	

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To: \_\_\_\_\_

the Players' production of "My Fair Lady," will do a Chuck Barris impersonation.

Other vocalists will include Tom Lehmann singing selections from the China Lake Players production of "The Fantasticks"; Karen Karner, a popular local song stylist; and equally talented singers Kathy Schimpf and Lisa White.

In addition, Julie Standard and Robert Schwarzbach, co-winners of Burroughs' 1979 "Best Thespian" awards, will be featured in musical numbers from "South Pacific" and "My Fair Lady."

The theatrical highlights will include the entire Schwarzbach family, Pat, Ralph, Sandee and Robert, in scenes from Sierra Sands Adult School's recent F.U.N. Theatre production of "The Good Doctor"; sneak previews of the Burroughs Summer Players forthcoming melodrama "Beautiful Beulah Belle"; and the Community Light Opera and Theater Association's summer musical, "Stop the World, I Want To Get Off."

Magic Act Slated

Rounding out the program will be feats of magic by Carl Ball and Ted Lemon, and a mini-show by gymnasts coached by Marilyn Ball.

Accompanists for the performers will be Beverly Bell, Sue Fisher and Curt Niccum. Backstage assistance will be provided by Mark Claunch, Jean Lehmann and members of the Burroughs Summer Players. Gunnar Andersen, Jon Bell and Matt Doig will be in charge of lighting, and Mike Avery will handle sound. Alan Kubik is directing the show.

Tax deductible donations to the Burros Booster Club for the evening's entertainment are \$5 for adults and \$2.50 for children and students. Tickets can be purchased in advance at The Gift Mart, The Importium, and at The Studio in Ridgecrest. They also will be on sale at the lecture center box office before the show on Sunday night.

### Tryouts in August for CLOTA's fall production

The Community Light Opera and Theater Association (CLOTA) has announced that tryouts will be held in August for its fall production of "Flowers for Algernon."

The script, which is the play version of the film "Charly," is available in the Ridgecrest library. However, the script can not be copied or checked out but must be read in the library.



Naval Weapons Center  
China Lake  
California

July 13, 1979

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END OF THE LINE — Minus its wing tips and engine, this F-4 Phantom jet was ferried to NWC from Davis-Monthan Air Force Base in Tucson, Ariz., by an Army CH-54 Skycrane helicopter. It is one of eight that were transported here recently for conversion to highly maneuverable target drones for use in tests of air-to-air missiles.

### New link forged in data transmission system extending from Pacific Coast inland to Utah

By Mickey Strang

A new link has been forged in the data transmission system that connects the four test ranges whose territory covers the vast region from San Nicolas Island off the California coast to Hill Air Force Base, Utah.

The task group composed of experts from the four ranges, was charged with installation of a data link required to insert NWC radar and telemetry data into the existing data transmission system. This new data link is to be completed and operational within ten days to meet a priority test schedule.

The unusual speed with which this mission was accomplished was due to the fullest management support received from the executive managers of the facilities involved, according to Henry Merhoff, from the Pacific Missile Test Center (PMTC) at Point Mugu, who was the lead man for the installation.

The management support was enhanced by the talent and cooperation of military, Civil Service, and contractor personnel from the PMTC, the Space and Missile Test Center, Vandenberg, CA, the Air Force Flight Test Center, Edwards, CA, and NWC. The personnel had all worked together previously and had established rapport and good working relationships.

The ranges are interconnected by several microwave systems that are operated and maintained by each individual range. At various points within the system ap-

propriate voice and data signals can be inserted for monitoring long range test flights.

Technical managers of the various ranges have long recognized that NWC could be added to the system to enhance actual operations and to provide an additional backup to the already functioning data transmission system. The addition provides a more effective utilization of test resources and will permit two-way transmission, a long term goal of the test ranges.

Purpose of New Installation

The purpose of the new installation is to allow NWC to transmit real time data including tracking radar and telemetry with voice coordination circuits to the other test ranges.

Personnel from the four ranges met recently at NWC to plan the operation and assign responsibility for various facets of the work. AFFTC provided voice and telemetry interface equipment and installation at the El Paso microwave site. SAMTEC (Vandenberg) was responsible for tracking radar data transmission. PMTC had overall technical coordination responsibility. NWC was responsible for the microwave equipment and for the installation of equipment.

To make maximum timely use of all personnel (especially those who were sent to NWC from the other test ranges), equipment that was committed to other uses was removed and re-installed in the new system.

### Converting F-4 to drones another step forward in RPV Technology at Center

Another step forward in the area of Remotely Piloted Vehicle (RPV) Technology is about to get underway at the Naval Weapons Center, following the recent arrival of nine F-4B Phantom Jet aircraft at Armitage Airfield.

These aircraft had been in storage at the Military Aircraft Storage and Disposition Center (MASDC) at Davis-Monthan Air Force Base in Tucson, Ariz.

One of the aircraft had been recently stored and was in excellent condition. It was therefore flown to China Lake. The remaining aircraft, in storage for many years, could not economically be prepared for flight at MASDC so an alternate method of transportation had to be found.

Army Helicopters Used

Many methods were explored. Finally, the most satisfactory one was to have the U. S. Army, 273rd Transportation Company based at Fort Sill, Oklahoma, carry the F-4s to China Lake slung under their CH-54 Skycrane helicopters.

Skycrane gross weight considerations dictated that considerable weight be removed from the F-4s. The engines, outer wing panels, tail hooks and other accessory equipment were therefore removed and will be brought to China Lake by truck. Hoisting harnesses were attached to the lightened airframes.

A Skycrane helicopter then hovered over each F-4, lowered its lifting cable, connected to the harness, gently took up the slack and then the aircraft rose slowly into the air. The Skycrane, with the F-4 dangling approximately 50 feet below, then headed

for the first of seven fuel stops on the way to Armitage Airfield. Five Army helicopters were used in the move.

Employees of the Vought Corporation and McDonnell Douglas prepared the aircraft for transportation at MASDC and will soon begin the inspection and repair necessary to return one of the F-4s to fully qualified flight status. Personnel of the Targets Division of the Aircraft Department will also be involved.

While this work is being performed, the RPV Technology Branch, Code 3925, of the Weapons Department, will be moving ahead with the system definition phase of the drone conversion package. Circuit and software design will follow. Repair of the F-4 aircraft is scheduled to be complete near the end of this year when the first of the drone hardware will be ready for installation.

The design objective that has been tackled by Code 3925, headed by Jay Bornfleth with Paul Dietrich as Full Scale Aerial Targets program manager and John Owens

(Continued on Page 5)

### Carter approves reform of fed'l gov't pay system

(AFPS) — A sweeping reform of the federal government's pay system for civilian employees has been approved by President Jimmy Carter and sent to Congress for action.

Called "The Federal Employees Compensation Reform Act of 1979," the proposed legislation would change or alter many familiar aspects of the current pay system, such as the method of the annual pay comparability survey, nationwide wage scales, premium pay, blue collar step increases in the grades, the "Morronee Amendment," and cost-of-living allowances in non-foreign areas.

This new pay act would affect some 1.4 million General Schedule (GS) "white collar" employees and 500,000 Federal Wage System "blue collar" workers.

Long Term Savings Expected

The President said he does not expect any employee to suffer actual reduction in current pay as a result of his proposals, but he does expect long term savings of at least \$3 billion annually when and if the program is implemented.

The main element of this proposed pay package is the so-called "Total Compensation Comparability" (TCC) which broadens the principle of comparability with industry to include fringe benefits as well as wages and to include, for the first time, state and local government pay scales in the annual "Professional, Administrative, Technical, Clerical" (PATC) survey.

Currently, the PATC survey compares only wages of federal GS employees with industry and does not take into account federal benefits such as retirement, health and life insurance, annual and sick leave, and paid holidays. More than 30 percent of the cost of federal employees comes in the form of these fringe benefits.

Additionally, the PATC survey is

(Continued on Page 3)

### Employee service awards

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

			
Dennis T. Garrett 25 yrs. Fed 1 Service Code 26442	Donald C. Iwamura 20 yrs. NWC Service Code 31503	Shirley Sima 30 yrs. Fed 1 & NWC Service Code 3905	Hubert S. R. Easterling 30 yrs. Fed 1 Service Code 2622
			
Richard L. Higuera 25 yrs. Fed 1 Service Code 335A	John B. Burmeister 20 yrs. Fed 1 & NWC Service Code 3636	Wayne R. Jackson 20 yrs. NWC Service Code 26454	Edward P. Short 20 yrs. Fed 1 Service Code 3952
			
Earl E. Beasey 30 yrs. NWC Service Code 3663	Eugene D. Cullender 25 yrs. Fed 1 Service Code 2623	Robert L. Wolverson 25 yrs. Fed 1 Service Code 3315	James R. Willis 25 yrs. Fed 1 Service Code 3301

### Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 094 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Interdisciplinary - Electronics Engineer, Mechanical Engineer, Aerospace Engineer, Physicist, GS-855-830-841-1310-9/11, PD No. 7939071 Code 39082** — This position is located in the Missile Development Office of the Sparrow Program Office, Weapons Department. The current primary effort of the Missile Development Office is to support the full scale development of the Sparrow AIM-7M, a Sparrow-air-intercept guided missile with a capability of being launched from both air and surface vessel environments. The incumbent holds the position of support engineer, Missile Development Office. The purpose of this position is to provide assistance as required to the head, Air-to-Air Systems and head, Surface-to-Air Systems in the technical direction of their assigned tasks. The task areas include the detailed technical evaluation of the seeker, digital processors and active fuse; development of a rocket/motor arming/firing device and contact fuse; and responsibilities in test planning, conducting analysis. The incumbent is also responsible for program management functions assigned. **Job Relevant Criteria:** Knowledge of principles of guided missile systems; ability to communicate effectively orally and in writing; ability to deal effectively with a variety of personnel. Promotion potential to GS-12. Promotion potential is subject to development of progressively higher level responsibilities.

**Mechanical Engineering Technician, GS-002-7/11 PD No. 7939070 Code 3941** — This position is located in the Seeker Assembly and Test Technology Section of the Sensors and Platforms Branch, Electro-Optics Division, Weapons Department. The code is responsible for systems assembly and test of electro-optical seekers and search sets operating in the infrared spectrum. The incumbent will be responsible for the design and instrumentation of various gaging equipment and fixtures utilized in assembly and test of infrared electro-optical seeker and search assemblies. He/she will be required to provide documented reports on test results substantiating findings and recommendations for modification to improve future hardware. **Job Relevant Criteria:** The incumbent must be able to interpret sketch and SAS type drawings; be familiar with USASI Y 14.5 documentation; have a working knowledge of the capabilities of various material such as tool steel, aluminum, brass, copper, and lead; must be expert in measurement capabilities to .00001"; be able to communicate with vendors concerning technical data on items ordered and be aware of purchasing and control regulations.

**Operations Research Analyst, GS-1515-7/12, PD No. 7512012 Code 12** — This position is located in the Weapons Planning Group. The incumbent will be assigned to one of the program areas and will be involved in analysis studies covering a wide range of subjects. Typical duties include analyzing performance of existing and proposed designs of weapons and components of weapons; investigating weapon requirements; reporting results both in writing and oral presentations. **Job Relevant Criteria:** Familiarity with the operation and utilization of large scale computers, procedures for obtaining unprocessed information, military operations and tactics. This position could be filled from any of the engineering or scientific disciplines which provide a significant preparation in mathematics.

**Clerk-Typist, GS-322-3/4, PD No. 7900007N, Code 09, (intermittent)** — All status eligibles are accepted. This position is intermittent within the Office of the Commander, including Codes 00, 01, 02, 03 003 to provide clerical support as needed. The incumbent will perform such duties as typing various kinds of correspondence; answering telephones; opening, screening, and routing mail; maintaining files and greeting visitors. **Job Relevant Criteria:** Ability to type efficiently and accurately; ability to deal tactfully with people; knowledge of Center's organization and policies.

**Secretary (Steno), GS-318-4/5, PD No. 7900014N, Code 003** — This position is that of secretary to the Public Information Officer. The incumbent performs such duties as maintaining supervisor's calendar; maintaining control records on incoming correspondence and documents requiring action; handling inquiries from news media on general issues; editing and typing speeches, Congressional and business. Shorthand required. Status eligibles accepted. **Job Relevant Criteria:** Ability to work under pressure; ability to work independently; ability to use tact in dealing with both on and off-center personnel; knowledge of proper English usage, grammar, and punctuation; ability to plan and organize work and establish priorities.

**Administrative Officer, GS-341-12/13, PD No. 7703001E, Code 032** — Temporary promotion for six months to one year pending classification by NCPG/WFD and allocation of high grade billet. This position is the Laboratory Administrator in the Laboratory Directorate office and functions as the principal management consultant, adviser to the Laboratory Director. Incumbent identifies administrative and management problems within the scope of the Laboratory Directorate and recommends alternatives. Incumbent structures policy requirements for the Directorate, develops reports and procedures for NWC bids and Proposals Program, and represents the Directorate at high level meetings. He/she establishes agenda for the Center's Technical Planning Board (TPB) and participates in generating the Center's long range (corporate) plan; other duties include providing ad hoc administrative support to the Office of the Technical Director and preparation of the Directorate overhead budget. **Job Relevant Criteria:** Ability to exercise originality and initiative in solving management problems related to research and development organizations; ability to establish administrative and management policies and guidelines; ability to meet and deal with personnel on and off-center; ability to communicate effectively orally and in writing.

**File applications for the above with Kitty Berry, Bldg. 34, Rm. 204, Ph. 2577.**

**Clerk Typist, GS-322-4, PD No. 7706009N, Code 043** — This position is located in the Projects Office, Test and Evaluation Directorate. The duties of the position include preparing various types of Navy correspondence; editing and typing letters and memos into final form; and

### Summer training underway for 10 members of NWC Sea Cadet Corps

Ten members of the NWC Sea Cadet Corps began summer training this month. Nine are receiving recruit training at the San Diego Naval Training Center and another one has been selected for the Canadian exchange program.

Cadets Ron Blackston, Dan Dobias, Jerry Guzman, Kevin Johnson, Chris Stewart, Jeff Solberg, Dan Warren, Tom Willerford and Bill Zidek are presently going through two weeks of "Boot Camp" which started July 10.

Cadet Richard Everett was selected for this year's Canadian exchange program and is undergoing two weeks of training at the Quadra Sea Cadet Base near Vancouver, British Columbia. Cadet Kary Fletcher was also chosen for this program, but was unable to attend.

Everett and Fletcher were two of 25 West Coast cadets selected for the program by the U.S. Naval Sea Cadet Corps Headquarters in Washington, D.C.

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

Interested persons may contact Ken Boswell at NWC Ext. 2165 for further information.

**Assessments due from GEBA, CLMAS members**

Assessments are now due from members of the Government Employees Benefit Association and the China Lake Mutual Aid Society following the recent death of Edgar Martin of Ridgecrest. This is assessment No. 472.

The deceased, a former employee of the NWC Aviation Ordnance Department, was 75 years old.

The collection of assessments is being handled by Larry Mason, GEBA and CLMAS treasurer. They can be mailed to him at P.O. Box 1559, Ridgecrest, CA 93555.

## The Rocketeer

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**DEADLINES**

**News Stories** Tuesday, 4:30 p.m.  
**Photographs** Tuesday, 11:30 a.m.

The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in the Rocketeer is authorized for public release by the Office of the Commander, Code 003.

**Phones** 3354, 3355, 2347

### Workshop slated to provide training for NWC recruiters

A workshop for recruitment representatives has been rescheduled from July 17-19 to July 31 through Aug. 2, it was announced recently by the Training Center.

Dan Burnett, the Naval Weapons Center's professional recruitment coordinator, will now conduct classes on July 31 and Aug. 1 from 8 a.m. to 2:30 p.m. and on Aug. 2 from 8 to 11:30 a.m. Classes will be limited to 20 persons.

Graduates from this course, which provides individuals with the tools required to conduct campus recruiting interviews, will be evaluated and the best ones chosen to become members of the Center's college recruiting team.

Recruiters are expected to make two recruiting trips a year, each of one week's duration. Travel, pre-recruiting preparation, and followup will take an additional 120 to 240 hours of the recruiter's time per year.

The recruiting program is aimed at attracting scientific and engineering types; consequently, preference will be given to professional, scientific and engineering employees who apply.

Centerites interested in attending this course must submit training request and authorization forms via proper department channels in order to reach Code 094 no later than July 16.

### Auction sale of surplus government property set July 19

A wide variety of surplus government property, including nearly 40 pickup trucks, will be offered for sale to the highest bidder during an auction to be held next Thursday, July 19, starting at 9 a.m. at the Community Center.

Prospective bidders have from now until the day of the sale to examine the various items offered for sale by visiting the Defense Property Disposal Warehouse, located at Sandquist Rd. and 10th St., on weekdays between 8 a.m. and 3 p.m.

In addition to used pickup trucks, the more than 150 items to be offered for sale at the auction on July 19 include electric typewriters, oscilloscopes, voltmeters, lockers, work benches, clay pipe, shelving, drafting tables, a winch unit and a 50,000 lb. pile of scrap lumber.

Registration of bidders for the auction will begin at 8 a.m. next Thursday, July 19, at the Community Center. Individuals must be present and registered in order to bid on the surplus government property that is up for sale.

Anything that is purchased may be removed on the day of the auction provided that it is paid for in full. Personal checks will be accepted. Successful bidders will have until July 26 to pay for and remove items before storage charges will be applied.

### employee in the spotlight

By Ernest R. Sutton

Paul Storey contends that his engineering capability has improved with age, but that his mother and father didn't really mind when he took a sewing machine apart when he was about ten years old and couldn't put it back together. Both his father and grandfather had been engineers.

Storey is an electronics engineer in the Electronics Branch of the NWC Weapons Department's Electro-Optics Division.

He is not, however, your everyday, run-of-the-mill electronics engineer. If he wanted to do back flips across the lawn at the Administration Building, he probably would.

**Storey Called Free Spirit by Supervisor**

One of his supervisors termed him a free spirit who may be unconventional, but who gets his job done. Paul has been involved with the NWC team developing the AIM-9M Sidewinder circuitry, testing it and analyzing its performance in the missile. In addition, his group is providing the documentation and is establishing a set of procedures to allow other people to test the AIM-9M circuitry. For their outstanding accomplishments along these lines, the Electronics Branch personnel recently received a group achievement award.

Until he came to work here as a Junior Professional in June 1974, Paul had lived all of his life in Seattle, Wash., attending elementary school through college there.

When he was in the sixth grade he won first place at the science fair for transistor radios he had devised. By the time he reached the eighth grade, he was building radio-controlled airplanes, bombs and rockets.

"I got my chemicals for my bombs and rockets from the local pharmacy," Paul reported. "I took the filaments out of electric light bulbs to make my own electrical fuses. At the time, I found it very exciting but it is nothing I'd recommend for parents to let their children do."

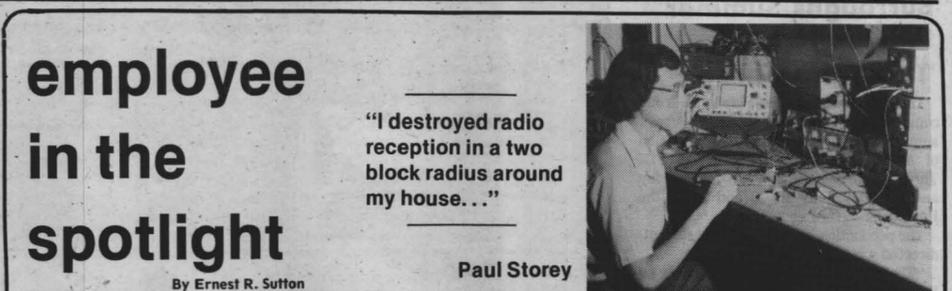
**Friends Called Him 'Mad Scientist'**

He also hooked up an automobile coil to the door knob of his room at home to keep out unwelcome intruders. About this time, he made an electricity generating machine which could shoot out a spark over a foot long. "It was fun to work with but when I turned the thing on, I destroyed all radio reception for about a two block radius around my house. My friends thought I was a mad scientist," Paul laughed.

Paul said that he was extremely curious and wanted to understand how things worked; consequently, he started out in college with three majors — chemistry, biology and engineering. After about three years he found the work load too heavy and dropped chemistry, then later dropped biology to concentrate on engineering. He received his bachelor of science degree in engineering from the University of Washington in June 1974.

"I was still intrigued with rockets and missiles and when companies came to the college to interview prospective employees, I only signed up for interviews with firms that were connected with missile development. I was tantalized by what the recruiter from China Lake had to tell me. And, after getting a free airplane trip to San Francisco to inspect the operation of one company, I bought a bus ticket to China Lake to come up and see the place," Storey said.

When he was taken on a tour of Michelson Laboratory, he said everything they showed him was just fascinating. "I came into the lab and saw someone working on a Sidewinder missile on a Rate Table (a device that spins around at a fixed rate to tell



"I destroyed radio reception in a two block radius around my house..."

Paul Storey

missile performance). Boy, I just couldn't believe it. It was too good to be true. They were playing with this missile and seeing how it behaved on a wall full of equipment. I loved it," Paul recalled.

Shortly after he came to work here, Paul became seriously interested in gymnastics because he loves vigorous exercise. He also took up weightlifting, swimming and running to keep in shape for the sport. "Gymnastics requires a lot of dedication but I love to go out and push myself to the limit. That's what keeps me alive," he said.

Storey is also a skate board fan and a skydiver. Although accidents often happen in gymnastics, skate boarding and skydiving were Paul's downfall. He broke his left arm twice last year, participating in each sport.

**Skydiving Is a Total Sensory Overload**

He feels that skydiving is the ultimate experience although it doesn't require as much endurance as marathon running nor the strength to climb a mountain. It is a total sensory overload. After over 30 jumps, including several 10,000 ft. free falls, he decided to give up skydiving at least for awhile.

"Sometimes, you have to reevaluate your priorities," Paul stated. "You have to do 'risk benefit analysis' to see if the risk is worth what you are getting out of it, much as today's society is attempting to make a decision about nuclear reactors. I had achieved what I wanted out of the sport."

Storey believes that sports such as skate boarding and skydiving can be dangerous, but are okay to participate in as long as a person knows his or her capabilities.

"This can change from hour to hour. If you want to get on something like a skate board, you have to be at your peak. A person should never exceed his limitations and always have an escape route just in case something goes wrong," he said.

Storey suggested that a person should test his or her capabilities much like the computer checks out an airplane before the pilot puts in through its paces in the air. "Ask yourself, do I feel good, or do I feel sluggish? Turn on the computer in your brain," he stated.

Right now his sporting activities include running five miles every day, swimming a half mile about three times a week, and biking everywhere he goes. "You have to make an investment in your body... it pays high returns," Storey said.

### Paul Studies To Be Brain Surgeon

After a few years at China Lake, Storey decided that he wanted to be a brain surgeon. In his free time for about two years, he studied every book on medicine that he could lay his hands on in preparation for his pre-med entrance examination for medical school. Then he changed his mind about becoming a doctor.

"It wasn't a decision that I made all at once," he said, "but, at the time, ten years seemed a very long commitment."

One of his hobbies is studying the brain on an engineering basis rather than on a medical basis. This includes a study of robots and artificial intelligence.

Presently Paul is studying for his master's degree in either electronic engineering or computer science. He hasn't quite yet decided on which one to concentrate on, so he is learning both.

One of his goals in life is to run the 5 minute mile. His best time so far for the mile is 5 min. 13 sec. "It will take some effort but things like that keep you young forever," he concluded.

### DIVINE SERVICES

(Continued on Page 5)

PROTESTANT	
Sunday Worship Service	1000
Sunday School—All Ages	0845
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Doors 5, 6, 8) located opposite the former Center Restaurant.	
Communion Service first Sunday of the Month.	
ECUMENICAL	
Wednesday Noon Bible Study	1130
Thursday Men's Prayer Breakfast	0630
ROMAN CATHOLIC	
MASS	
Saturday 1700 fulfill Sunday obligation	0830-1130
Sunday	0815-1245
Nursery, Chapel Annex 1	
Daily except Saturday, 1135, Blessed Sacrament	
Chapel	
CONFESSIONS	
Daily	1115 to 1130
Saturday	0615 to 0645
Sunday	0800 to 0825
RELIGIOUS EDUCATION CLASSES	
Sunday Pre-school thru 11th grade	1000
Above classes are held in the Chapel Annexes across from the former Center Restaurant.	
Sunday afternoon 12th grade	1630
and Youth Rallies	
Contact Chaplain's Office for specifics.	
JEWISH SERVICES	
EASTWING—ALL FAITH CHAPEL	
Sabbath Services every Friday	1930
UNITARIANS	
CHAPEL ANNEX 95	
Sunday Services—(Sept. May)	1930



ON THE AUCTION BLOCK — Thirty-nine used pickup trucks are among the more than 150 items to be offered for sale at a public auction of surplus government property that will be held next Thursday, July 19, at the Community Center. Registration of prospective bidders begins at 8 a.m. and the sale will get underway at 9.

—Photo by PH2 Tony Garcia

### Promotional Opportunities . . .

(Continued from Page 5)

procedures; management of a technical data package; Government contracting practices and high explosive/ordnance handling and safety procedures (and be willing and capable of performing such operations). In addition, for GS-13, incumbent must have demonstrated that he/she is a recognized authority on warhead production and fleet engineering matters. Promotion potential to GS-13.

**Engineering Technician, GS-802-11, PD No. 7926111N, Code 36403** — This position is located in the Production Engineering Office, Engineering Prototype Division, Engineering Department. The incumbent will be responsible for providing practical knowledge of current production technology utilized by industry to produce complex weapon systems and for incorporating this knowledge into weapon systems designs, minimizing the risk of going into production with a system that dictates inefficient processes, thereby maximizing productivity. The incumbent is responsible for the review of technical data packages to assure that the composite of characteristics and features of the design allows for economical fabrication, assembly, inspection and test. He will be responsible for the development and application of appropriate productivity standards and guidelines. The incumbent is responsible for the survey and evaluation of a contractor's plant in order to determine his capability to produce a weapon system as defined in a procurement data package. **Job Relevant Criteria:** Technical working knowledge of complex weapon systems design; knowledge of the fundamentals of product design, production planning, tool engineering, manufacturing processes, and quality control; knowledge of the economics of the total manufacturing process and be able to exercise proper judgment when reviewing potential modifications to an operational sequence; ability to evaluate manufacturing proposals submitted by contractors to determine their relative merit and impact on a total weapons system; ability to establish and maintain good working relationships with both technical and managerial personnel and exhibit faith when recommending changes.

**Electronics Engineer, GS-855-9/11/12, PD No. 7355015E, 7834020-1E & 7926110E, Code 3422** — This position is located in the Systems Electronics Branch, Systems Engineering Division, Engineering Department. Incumbent utilizes knowledge of electronic circuit, digital circuit, microprocessor and software design to develop automatic test equipment for guided missiles. This includes preliminary analysis and simulation, stress analysis, sneak circuit analysis, circuit compatibility with interconnecting and adjacent components, machine language, assembly language, flow diagrams, functional partitions, state diagrams and timing diagrams. **Job Relevant Criteria:** Ability to perform worst case and circuit analysis; ability to design and implement test instrumentation or test fixtures; ability to perform accurate mathematical analysis to determine operational parameters for electronic systems; ability to analyze and design digital microprocessor based systems. Promotion potential to GS-12.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 204, Ph. 2725.



### China Lake Soccer Club defeated 5-1 by Casa de Miguel

The China Lake Soccer Club, depleted in number by injuries and players who are currently on vacation, was able to field just eight men for last Sunday's High Desert Soccer League game against the Casa de Miguel squad in Lancaster.

The result was a 5-1 victory for the Lancaster team, which reportedly played well enough in the 100 degree heat to have won the game even if a full squad of 11 players (plus substitutes) had been on hand to represent China Lake in this contest.

Thanks to a lot of hustle on the part of Steve Lee, the China Lakers held Casa de Miguel to a 1-1 tie during the first half. The single score for the local team came on an attempted cross-field pass from Lee to Guy Kinley during which the ball was deflected past his own goalie by the Casa de Miguel fullback.

This was the China Lake Soccer Club's worst defeat in High Desert Soccer League competition, and was the low point of the season for those who made the trip to Lancaster for last Sunday afternoon's game.

In order to make it possible for the game to be played, the China Lakers were permitted to "draft" two 14-year-old youths who train with the Lancaster United team. In addition, the local team picked up two other players from Dynamo, a new soccer team that has been formed in the Lancaster area.

Next competition for the China Lake Soccer Club will be a game tomorrow noon at the Tehachapi Correctional Institute against a team composed of prison inmates.

On Sunday, July 22, the China Lakers will be a home for a game at Davidove Field against the league leading Antelope Valley Independent team from Palmdale. Kick-off time will be 1 p.m.

### Pony Leaguers to play in tourney for 13-yr.-old players

For the second year in a row, the Indian Wells Valley Pony League will send an all star team to take part in a post season baseball tournament for 13-year-old players.

First action for the local squad, which is managed by Steve Kaupp and coached by Jim Means, will be a game against a team from Westchester tomorrow at 2 p.m. in Granada Hills.

Nearly two dozen teams are expected to be entered in this double-elimination event which is being held in order to give younger Pony League players experience in tournament play.

If the IWV team defeats Westchester in tomorrow's contest, its next game will be played on Tuesday in Granada Hills. If Westchester wins and the locals are dropped into the losers' bracket they will play their second tourney tilt on Monday, also in Granada Hills.

Players on the IWV Pony League's 13-year-old all star team are:

Pete Aguon, Vince Atencio, Kevin Blecha, Mark Butler, Todd Cook, Richard Eyer, Tracy Gates, Danny Grattan, Rickie Hunt, Russ Hyde, Mark Kaupp, Tim Lewis, Pete Lloyd, Daniel Means, and Tom Sauers.

Pitchers scheduled to see tournament action are Grattan, Hunt, Lewis and Means, while two players, Cook and Hyde, are battling for the starting assignment behind the plate as catcher.

### Little League baseball intercity crown won by Ridgecrest Dodgers

The Ridgecrest Dodgers are the new Little League baseball intercity champions, following their 7-3 win on Monday night over the Yankees, previously undefeated winners of the China Lake Little League's Major Division crown.

This was just the first loss in two seasons of play for the Yankees, who had records of 16-0 during both 1978 and 1979 and last year won the intercity title by shutting out the Ridgecrest Dodgers 7-0.

It was a different story, however, this past Monday night at China Lake Little League diamond No. 4 as Chad Carrasco, winning pitcher for the Ridgecrest Dodgers, gave up just two hits and struck out 15 batters in seven innings of play.

The China Lake Yankees scored all of their runs in the last half of the third inning. A double by Jamie Johnsen with a double by Jamie Johnsen with a double by teammates on base accounted for 2 of the 3 runs tallied by the Yanks.

This gave the China Lake Little League

team a 3-1 lead over the Ridgecrest Dodgers, who had scored a single run in the second inning. The score remained 3-1 in favor of the Yankees until the Dodgers knotted the count at 3-3 by tallying twice in the sixth.

Going into an extra inning of play, the Ridgecrest Dodgers made the most of their opportunities by breaking loose for 4 runs on two hits, two walks and two errors.

As he did in every inning except the third, Carrasco blanked the Yankees in the bottom of the seventh to lead the Dodgers to a 7-4 win and the intercity championship.

Steve Vie, losing pitcher for the Yankees, turned in a creditable performance. He struck out 11 opposing players and was tagged for 7 hits.

Leading hitters for the Ridgecrest Dodgers were John Newton with a double and two singles, Roy Haleman, who had a double and single, and Carrasco, who helped out with a pair of singles.

### Raiders defeat Nelson Auto 9-1 in season finale

Because of the 4th of July holiday, just two full games were played last week in the Men's Fast Pitch Division of the China Lake Intramural Softball League.

The Raiders, who lost just one game all season and posted a record of 14 wins, won the championship in the Men's Fast Pitch Division. In their final game, the Raiders defeated Nelson Auto 9-1. Also last week, Fuller Masonry took over second place, 6 1/2 games behind the front runners, by virtue of a 10-1 win over the Sports Etc. squad.

The Raiders had too much power at the plate for the Nelson Auto team. A home run by Greg Ricketts that came with two men on base in the second inning accounted for 3 of the Raiders' 9 runs.

In the fifth inning, Al Alvarado and Mike Pangle hit back-to-back homeruns for the Raiders.

Nelson Auto averted a shut out when Jack Nutter scored on an error by the Raiders in the fifth inning. The division leaders outthit their opponents 8 to 2 as they posted an easy win.

In a game that decided possession of second place in the Men's Fast Pitch Division, the Sports Etc. team held a brief, 1-0 lead in the first inning when Ray Taves got a single and scored on a hit by Jim Byrd.

After that, however, the Fuller Masonry team came on strong by scoring 5 runs in the second inning, 1 each in the third and fourth, and 3 more in the fifth inning to win, going away, by a final score of 10-1. Fuller had 8 hits to 3 for Sports Etc.

These same two teams tangled in the one-inning continuation of a game that had been played on June 19. A protest was filed when the game was called due to the time limit rule with Sports Etc. in the lead by a score of 8-7.

In last week's resumption of this contest, Fuller Masonry scored 2 runs while shutting out Sports Etc. to win the disputed tilt 9-8.

In the only two games played last week in the Men's Slow Pitch Division, the Blacksheep defeated the Marauders 16-13, and the Marauders stomped the Blackjacks 21-9.

China Lake Intramural Softball League		
Final standings:	Won	Lost
Raiders	14	1
Fuller Masonry	8 1/2	6 1/2
Sports Etc.	5 1/2	9 1/2
Nelson Auto	2	13

### Colt League all stars entered in post season tourney

Post-season tournament competition for an all star team composed of players from the Indian Wells Valley Colt League (for players 15 and 16 years of age) will get underway at 8 p.m. Sunday in Quartz Hill.

The local team, which is directed by John Daly, as manager, and coaches Carl Truitt and Bob Andre, will play the winner of an earlier contest between Quartz Hill and William S. Hart. A team from Lancaster also is entered in this double elimination Colt League tourney.

Players on the IWV Colt League all star squad are:

Dan Andre, Doug Baumbach, Joe Byrd, Brian Blecha, Jody Gaunt, Dale Greim, Dave Hatzenbuehler, Rob Hunt, Joe Lalor, John Lloyd, Dave Paradise, Dave Patterson, Steve Payne, Roman Revels, and Todd Truitt.

During the regular Colt League season, Gaunt, Hunt, Revels and Truitt have been the league's best pitchers, while those who have been most consistent in the hitting department are Andre, Baumbach, Gaunt, Hunt, Paradise and Revels.

If the IWV Colt Leaguers win Sunday night's game they will play again on Tuesday night. In the event of a defeat on Sunday, the local team will enter the consolation round of the tourney on Monday night.



SPACE WEEK PROCLAMATION SIGNED — Captain William B. Haff (right), NWC Commander, and Don J. Chieze, Mayor of Ridgecrest, sign a joint proclamation declaring the week of July 16 through 24 as Space Week for all citizens of Indian Wells Valley. Witnessing the signing are members of local chapters of engineering societies that have formed the High Desert Engineering Association. They are (l.-r.) Jim Serpanos, AIAA, ASCE; Tony Miller, ASQC; Hank Schuette, AICHE; and Dave Koelsch, IEEE. The highlight of Space Week will be a dinner and program at the Commissioned Officers' Mess on Friday, July 20. Featured will be a presentation about Voyager 2 that will be given by Kristan R. Lattu of the Jet Propulsion Laboratory. —Photo by PH2 Tony Garcia

### National Space Week speaker to talk about Voyager 2

U.S. National Space Week, which is observed annually to commemorate the first manned lunar landing, is scheduled this year from Monday, July 16, through Tuesday, July 24.

The highlight of the local observance will be a dinner and program at the Commissioned Officers' Mess next Friday, July 20. Guest speaker will be Kristan R. Lattu of the California Institute of Technology's Jet Propulsion Laboratory (JPL).

This program is being arranged by the local chapters of engineering societies that have formed the High Desert Engineering Association (HDEA).

Following the 7 p.m. dinner of prime rib, Ms. Lattu will talk on "The Jovian Encounter of Voyager 2... Slingshot to Uranus."

### IEEE past president to speak at special meeting on Tuesday

A special meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers (IEEE) will be held on Tuesday, from 11:30 a.m. to 1 p.m., in the Chart Room of the Commissioned Officers' Mess.

IEEE members and all other interested persons are invited to attend and hear a talk by John Guarrera, a former national president of IEEE, whose subject will be "IEEE Lobbying in Washington and Its Effect on Members."

Guarrera is now the director of research for the School of Engineering and Computer Science at California State University in Northridge. From 1971 to 1977, he served on the national board of directors of IEEE and held the office of president in 1974. At the present time he is involved with the IEEE Pension Committee and the Legislative Coordination Committee.

Guarrera also is coordinator of the External Degree Program conducted at Cal State, Northridge. During his visit here on Tuesday, he will be discussing this program (which leads to a master's degree in engineering with a speciality in any of the electronics fields) with prospective students.

Those interested in arranging an appointment with Guarrera can do so by calling Stella Payne at the Training Center, NWC Ext. 2686.

Voyager 2 was launched in August 1977 to Jupiter, where it used Jupiter's immense gravity to assist it towards Saturn. The spacecraft carries 11 scientific experiments or investigations which originate from various institutions.

Voyager 2 was directed to further investigate Jupiter's ring system and the volcanic activity on Io, one of its moons. A study of Europa, another of Jupiter's moons, was also planned.

Ms. Lattu is a staff engineer in the Flight Projects Test and Operations Section of JPL. She joined JPL in March 1978 after working as an Air Traffic Controller in the Los Angeles Air Route Traffic Control Center for eight years.

She received a BA degree in French from the University of California at Riverside in 1968 and was doing graduate work in linguistics at UCLA when hired by FAA as an air traffic controller.

### Civil Service pay reform...

(Continued from Page 1)  
restricted now to a comparison of wages in private industry and does not include the wage scale of local and state government employees.

Under this proposed legislation, the President is asking for changes to both these principles and the authority to set pay and benefits except retirement. He also wants to place most of the GS "white collar" work force on a locality pay system. The "blue collar" wage board employees already are under a local pay system.

The new Office of Personnel Management (OPM) has pointed out that national wage scales mean that in some areas of the country federal wages are higher or lower than private sector pay for similar jobs. This puts the federal government in the position of either having an unfair competitive advantage over industry or finding it difficult to recruit and retain qualified employees.

"The uniform classification system provided by the General Schedule would be maintained, but the pay rates associated with each grade within the system would vary locally," the OPM explained.

In order "to eliminate the inflationary aspects of the Federal Wage System," the proposed legislation calls for repeal of the "blue collar" pay line fixed at step two and the five step, rates in each non-supervisory grade with prescribed waiting periods for within-grade advancement.

The proposed law also calls for the repeal of the "Monroney Amendment," which is a

current statutory requirement for the blue-collar pay survey to go outside the local area to gather pay data if there is not a comparable industry in the area. It calls, too, for repeal of the uniform 7.5 and 10 percent differentials for second and third shift night work.

As for overtime, the pay proposal would not eliminate overtime for more than 40 hours a week but it would eliminate overtime for work more than eight hours in any one day.

Another element is to eliminate cost-of-living allowances (COLA) in non-foreign areas, though these areas were not specified.

President Carter said the objectives of his pay reform are five-fold:

(1) To insure that federal employees are paid fairly.

(2) To make the comparability system more accurate.

(3) To improve management flexibility in the compensation area so that needed employees can be better recruited and retained.

(4) To make sure that taxpayers' money for federal employee compensation is efficiently spent.

(5) To reduce, eventually, the annual budgetary cost of the federal payroll.

"It is not expected that any employee will suffer any actual reduction in current pay as a result of these proposals; however, in the long-run this legislation will create significant annual budget savings," the President said.

### Home inspections for fire hazards conducted on Center

Door-to-door courtesy fire inspections of Center housing units, which were carried out during the month of June by personnel of the NWC Fire Division, have been completed.

A large number of possible fire and safety hazards were found and pointed out for correction by firemen who inspected homes at China Lake.

Because many residents were not at home during the hours that the inspections were scheduled, it was not possible to check all residences on the Center.

Public acceptance of the inspection program and the cooperation extended to Fire Division personnel who made up the inspection teams was outstanding, and the Fire Division extends its appreciation to all those who joined in this effort to make all tenants housed on the Center aware of the importance of fire prevention.

Any China Lake residents whose homes were missed for any reason at all during the time the inspection program was in progress may still make an appointment to have their quarters checked by calling the Fire Prevention Branch, NWC Ext. 2146.

### BEQ at China Lake in contention for Adm. Zumwalt Award

The Bachelor Enlisted Quarters (BEQ) at the Naval Weapons Center is one of three finalists for BEQ Management for small BEQ operations.

The award committee from Washington, D.C., will inspect China Lake's BEQs on Monday, July 23, as a part of the judging that will determine the winner of this year's award.

Also in contention for the small BEQ award are barracks at the Naval Coastal Systems Center, Panama City, Fla., and the Naval Support Activity, New Orleans, La. Finalists for large BEQ management are the Pacific Missile Test Center, Point Mugu, Calif., Naval Submarine Base, New London, Conn., and Naval Station, San Diego.

The winners will be announced in August following on-site evaluations by the award committee, such as the one being made here later this month.

### Center to observe POW-MIA Day with memorial service at Chapel

National POW-MIA Recognition Day will be observed at the Naval Weapons Center with a special noon-time service at the All Faith Chapel next Wednesday, July 18. In addition, American flags will be flown in the triangle in front of the Administration Building on Blandy Avenue.

Capt. F. E. Whitaker, NWC Senior Chaplain, will deliver the sermon at the memorial service to honor former prisoners of war and servicemen missing in action. Also taking part in the service will be Chaplain Rodney Wallace and Father Ron Madden.

In declaring July 18 as National POW-MIA Recognition Day, President Jimmy Carter stated, "as we now enjoy the blessings of peace, it is appropriate that all Americans recognize the special debt owed those Americans held prisoner during wartime."

In addition, the Presidential proclamation states: "It also is appropriate that we remember the unresolved casualties of war, our soldiers who are missing. The pain and bitterness of war endures for the families, relatives and friends of those whose fate is unknown. Our nation will continue to seek answers to the questions that remain about their fate," President Carter promised.

At present there are 2,461 U.S. military personnel who were lost in combat but never recovered from the Vietnam War; 92 of these servicemen are still officially listed as missing in action or prisoners of war.

POW-MIA Recognition Day has been planned as a means of expressing gratitude to all those who were or are still listed as POW / MIAs, and to their families. It also is intended as a means of providing recognition to members of the Armed Forces and civilian employees throughout the Military Departments and Defense agencies who were once POW / MIAs.

The President called upon all Americans to join in observing this special day that is dedicated to all former American prisoners of war, as well as those still missing and to their families.

All NWC military and civilian personnel, and their dependents, are encouraged to attend the memorial service at the All Faith Chapel at 12 noon on Wednesday, July 18.

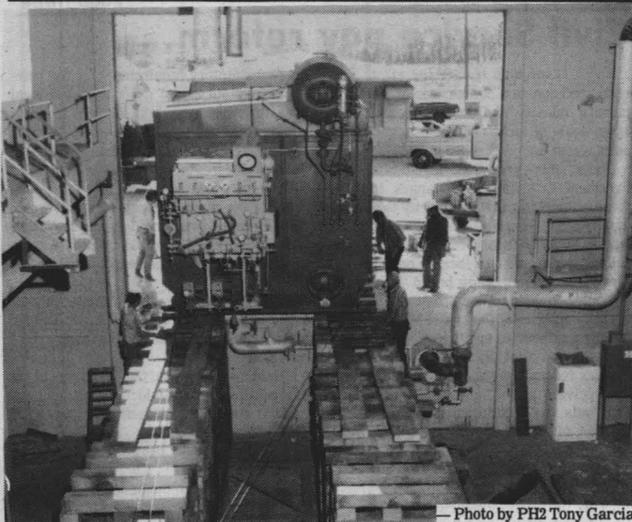


Photo by PH2 Tony Garcia

**FINAL CHECK** — One of the Center's new boilers is checked to be sure that nothing was damaged as it was skidded into place in boiler plant No. 2 on railroad tie skids. The three new boilers will replace six 29-year old units; major fuel oil savings are anticipated by use of these more efficient boilers.

### Energy Conservation Investment Program provides funds for 3 new boilers at NWC

With the arrival and installation of three new boilers in boiler plant No. 2, one of the first of the Center's energy conservation projects funded under the Energy Conservation Investment Program (ECIP) nears completion.

Energy conservation projects costing in excess of \$100,000 are funded through ECIP out of dedicated military construction funds. The boiler project cost approximately \$750,000 for removal of the old boilers, rehabilitation of the facility, and purchase and installation of the new and more efficient boilers.

The old boilers had become increasingly inefficient and repair costs on the units were mounting. The new units will save an estimated 10,000 barrels of oil per year, or

14 percent of NWC's No. 6 fuel oil demand. The Center purchased three boilers, each of which produces 30,000 pounds of steam per hour — for boilers, not a large amount. The boilers this size can be bought off-the-shelf rather than needing to be individually designed. The three boilers replace six boilers from plants No. 1 and No. 2 that had been rated at 20,000 pounds each when new 29 years ago.

All three of the new units are being installed in boiler plant No. 2; boiler plant No. 1 has now been shut down completely, another efficiency measure. Installation has been proceeding since the units arrived on a railroad flatcar several weeks ago.

The new units will be in full operation before the end of summer.

### More cooperation between labs, industry in technology utilization urged

How a Congressman who is vitally interested in the matter feels about the need for insuring the fullest cooperation possible between government laboratories, industry and universities in the areas of technology assessment, utilization and transfer was outlined in a talk presented last week at a meeting of the East Kern County Chapter of the American Society for Public Administration (ASPA).

The speaker for a well attended gathering held at the Commissioned Officers' Mess was Congressman George E. Brown, Jr., of Riverside, who is Chairman of the House Subcommittee on Science, Research and Technology — a group currently in the process of holding hearings on the utilization of federal laboratories.

Second Visit to China Lake

This was Congressman Brown's second visit to the Naval Weapons Center, he said, and he expressed interest in the work being carried out at China Lake. Since the time he was here 10 or 11 years ago, he has been a member and is now chairman of the aforementioned subcommittee of the House of Representatives.

It should be recognized, Congressman Brown said, that by following the same procedures which scientists and engineers at laboratories like those at NWC utilize in beginning with an idea and developing it into a piece of hardware, the methodology may also have been found for developing ideas that will aid the national economy.

"The processes by which you use scientific know-how and test and measurement skills all can be transferred," the speaker continued as he noted that NWC has a position of national leadership in the field of technology transfer.

The United States is headed into a recession, and has already lost its long-held

position of global economic leadership, Congressman Brown said as he observed that only by innovation and the development of superior products and services can the U.S. reverse this trend.

"I don't have the answer," Congressman Brown admitted, "but there is a major national effort being focused on trying to develop solutions to this problem." His subcommittee, he said, is studying the relationship between the health of the scientific establishment and the health of the U.S. economy.

The scope of this study ranges from the generation of a productive idea to its development and then to market analysis for its use. There is, however, he said, a weakness in this chain that can be



Congressman George E. Brown, Jr.

### Eva Bien leaves Center for job with Stanford Research Institute

Eva Bien, head of the NWC Personnel Department for the past 2½ years, left China Lake on June 29 to accept a position in private industry.

Ms. Bien is currently the vice president in charge of personnel operations for Stanford Research Institute International at Menlo Park, Calif., where she heads a group of some 50 employees.

While Ms. Bien is on a year's leave without pay from the Center, the duties of acting head of the Personnel Department are being handled by Steve Sanders, former associate department head.

Ms. Bien joined Civil Service at China Lake in 1958 as a GS-3 clerk-typist in Central

### General explosives indoctrination course scheduled on July 18

A general explosives indoctrination course has been scheduled next Wednesday, July 18, from 8 a.m. to 4 p.m. in Conference Rm. A of the Safety Building, located at the corner of Nimitz Ave. and Hussey Rd.

This course is offered periodically to provide information on general safety principles and requirements for employees who work in areas where explosive materials are used.

Part of this course will include a demonstration of the hazards and effects of small amounts of explosives that will be presented by personnel of the Explosives Ordnance Disposal Detachment assigned to duty at China Lake.

Employees enrolled in this course should bring their flame-retardant coveralls and safety glasses with side shields to the class. For those who do not have such protective gear, it will be provided by the Safety Department.

Training request and authorization forms must be submitted via department channels in time to reach Code 244 no later than Monday, July 16.

Staff (now office of Finance and Management). From Central Staff, she moved to the Public Works Department as a personnel clerk and, after three years, worked her way up to become an administrative assistant in that department.

With this background, Ms. Bien transferred to the Personnel Department in July 1962 and has been with what is now Code 09 for the past 17 years.

Starting out as an employee development specialist in the Personnel Department's Employee Development Division, she began to take on steadily increasing responsibilities — first as a personnel management advisor and then as a training director.

In February 1972, Ms. Bien was chosen to head a service division within the Personnel Department and supervised the work of the department's many personnel management advisors. She remained in that position until September 1973 when the Personnel Department was reorganized and she was singled out to become one of two associate department heads, while the other such post went to the late Dan D'Anza.

When Ray Harrison, former head of the Personnel Department left China Lake in August 1975 for Washington, D.C., to become director of the Career Center Management Division for the Office of Civilian Manpower Management, Ms. Bien was appointed to the position of acting head of the Personnel Department until her selection as department head was finalized in December 1975.

Since joining the work force at China Lake with a bachelor's degree in personnel management, which she received in 1958 from the University of California at Berkeley, Ms. Bien has earned a master's degree under the University of Southern California Program in Public Administration.

Instead of writing a thesis for her master's degree, however, she elected to take three additional courses pertaining to the management of a research and development activity or organization.

strengthened by improved cooperation and strengthening the links between government laboratories, industry and government-funded college research efforts.

Department of Defense laboratories, Congressman Brown continued, have taken the lead in the process of technology transfer. Contributions by the Navy often have been cited during Congressional hearings that have been held on this subject, the speaker told his audience at the ASPA-sponsored luncheon meeting.

"It's vital that tax-funded research information can flow as widely as possible," Congressman Brown emphasized as he stated that overall utilization of government laboratories is the broad area which the subcommittee that he heads is dealing with.

"We will probably pick a number of areas for immediate improvement, and may provide more resources to the Federal Laboratory Consortium for Technology Transfer," he stated as an example of what he expects may happen in the next two years.

Closer Cooperation Needed

His committee feels that the scientific and technology effort as a whole isn't meshing as it should. "Industry, government labs and university people aren't talking together as they should, and this is evident by the problems that exist in the energy field," Congressman Brown stated. "The output from the labs, as valuable as it is, hasn't kept gasoline lines from giving us a headache," he pointed out.

A National Automotive Research Institute has been proposed in legislation authored by Congressman Brown. He hopes that it can provide direction for research work leading to the development of a new generation of automobiles.

"I want this done with as little govern-

ment intervention as possible," he said. Under his proposal, the Institute itself won't do the actual research, but will direct it.

Direction and coordination in research effort is mandatory on a national level, he stressed, for without it the U.S. will become a second or third rate power. "Then," he said, "we won't have to worry about an elaborate national defense — we won't have anything to defend.

Procedures Applicable

"While the weaponry and weapons systems that are the Center's products are not generally transferrable, the procedure of progressing from a conceptual idea to a final product is invaluable in evaluating and coming up with solutions to problems that plague the nation's economy," Congressman Brown added.

Generally speaking, he replied in answer to a question on this point, the quality of the research work done in the federal government laboratories is high, but all such laboratories could do more in order to make their expertise more available in other fields, the Congressman commented.

He also sees, he said, a need for national research laboratories in areas where there is now a deficiency in research contributions. "I believe we should be doing much more basic research and conceptual thinking, for it is far less expensive when compared to the cost of being second," he emphasized.

### Energy conservation tip

Outdoor gas lamps are attractive but very energy-consuming. You can save approximately \$27 per year by turning off such lamps unless the light is essential for safety. Keeping six or seven of these lamps burning uses as much natural gas as it takes to heat the average home.



**TELEMETRY GROUP MEETS** — The Range Commanders Council (RCC) Telemetry Group held its 62nd meeting at the Naval Weapons Center recently to discuss standards and test procedures. Among the members present from Department of Defense ranges looking over RCC document 118, which applies to range procedures, are (l. to r.) Bob Rockwell, head of NWC's Telemetry Operation Branch; Howard Norfolk, Telemetry Group chairman from the Naval Air Technical Training Command; and Joe Ramos, vice chairman from the Flight Test Center, Edwards Air Force Base.

### Volunteers aid deputy sheriffs in search for woman lost exploring old Indian sites

Sixteen Indian Wells Valley search and rescue volunteers, who are employees at China Lake, joined regular Kern County Sheriff's Department deputies in organizing a search for a woman anthropologist missing in the desert area between Horse Canyon and Bird Springs Canyon (in the Scodie Mountains about 10 miles northwest of Red Rock Canyon) last Friday.

Barbara Gorrell of Berkeley failed to return on schedule while investigating Indian sites along the Sierra Crest trail last Friday afternoon. She was working under a contract with the U.S. Forest Service with another anthropologist in the Horse Canyon area.

Ten members of the Indian Wells Valley Search and Rescue team and six members of the China Lake Mountain Rescue Group (CLMRG) were asked by the Kern County Sheriff's Department to join the search on Friday night.

The searchers concentrated their efforts in the Skinner Peak area throughout Friday night. Because of the proliferation of tracks in the area, the searchers found it impossible to track the missing woman.

After being missing for almost 24 hours, Ms. Gorrell found the Kelso Road and walked out of the area at about 9:30 a.m. on Saturday, July 7.

IWV Search and Rescue volunteers involved included Mike Bass, Vern Fava, Jim

Matson, Bill Moen, Bob Padgett, Jim Riggs, Ron Smith, Kathy Sires, Larry Thompson and Dick Walters.

CLMRG team members taking part in the effort to find Ms. Gorrell were Chris Blanchard, Dave Brown, Don Harris, Allen Jones, Bob Rockwell and Bob Westbrook.

Westbrook and Terry Moore, of the CLMRG, were involved in another rescue attempt this past Sunday after being called out by the Kern County Sheriff's Department at 12:45 p.m.

Westbrook and Moore were airlifted from Armitage Airfield by a search and rescue helicopter from the Naval Air Station, Lemoore, Calif., to the Whitney Trail area above Lone Pine in an attempt to rescue a climber who had fallen.

The helicopter was directed into the area by the CLMRG members; however, it was too heavy to land at the 13,000 ft. elevation with a full crew and both Westbrook and Moore also on board. For this reason, the two CLMRG members were let off the helicopter at a lower elevation and the aircraft returned for the injured climber.

Pfc. David Spellman, USMC, who had fallen about 1,400 ft. down a snow slope, was dead on arrival at the Southern Inyo Hospital in Lone Pine.

Westbrook and Moore were returned to China Lake by the helicopter at about 4:30 p.m. on Sunday.

### Under new law, Earned Income Credit payable in advance

As a result of a new law, employees can receive Earned Income Credit (EIC) in advance during the year that income is earned.

Employees eligible for EIC payments are those whose adjusted gross income (including the income of their spouse if they are married) is expected to be less than \$10,000, and who also have a dependent child living with them.

Forms to be used to apply for EIC can be obtained upon request from the NWC Payroll Office, Code 08641, phone NWC Ext. 7121. Interested employees should ask for Form W-5, "Earned Income Credit Advance Payment Certificate."

Examination of Form W-5 will help employees determine if they are eligible to receive Earned Income Credit. Those interested in receiving their EIC in advance should fill out the certificate at the bottom of the form and return it to Code 08641.

Form W-5 will remain in effect until the end of the calendar year. Each eligible employee must file a new EIC certificate each year.

Those who are eligible for EIC but elect not to request the advance payment option can still claim the full benefit of EIC on their annual income tax return.

### F-4s to be converted to drones. . .

(Continued from Page 1)

as QF-4 project engineer, is to enable a remotely located pilot to perform the same air combat maneuvers as an on-board pilot. This has been done before by Code 3925, but with aircraft of considerably less performance potential and airframe complexity.

According to Owens, this will be the first Full Scale Aerial Target to be equipped with a digitally controlled auto pilot. This microprocessor based system will increase the capabilities of the target while minimizing hardware that must be installed inside the aircraft.

At present, there are six QF-4B drone aircraft at the Pacific Missile Test Center, Point Mugu. Those aircraft were developed by personnel at the Naval Air Development Center, Johnsville, Pa., several years ago and provided the pilotless aircraft with limited capability to maneuver and a radio control link which has now become obsolete.

Current plans call for a complete redesign of the drone system, including installation of the modern Integrated Target Control System (ITCS) radio control link.

Timetable for completion of the engineering prototype QF-4 drone is October 1980. Repair and conversion of the

remaining F-4B aircraft will proceed at three per year until all nine aircraft have been converted.

Key personnel on this project include Harlan Reep and Lt. Kenneth Lantta, heads of the Targets Operation and Targets Maintenance Branches, respectively; Gus Getusky, maintenance manager, and Adam Galan, lead man, both of the Vought Corporation; Norman Fiehler, the McDonnell Douglas technical representative; and John Haynes, Motorola technical representative.

Vought Corporation aircraft mechanics lending able and enthusiastic support at MASDC were Terry Baxendale, Millard Estis, Jimmy Forbis, Tracy Gulley, Bill Kerwin, Cyrus Lemmon, Will Levy, Candido Salinas, and George Wilmont.

Aircraft Department personnel involved are Joe Chesney, instrument mechanic, and metalsmiths Gene Boyts, Don Kennicott and Bob Whisman.

Personnel from the RPV Technology Branch soon to be involved in the QF-4 development include Larry Smith, electronics engineer; Walter Beebe, documentation specialist; Ron Wilson, engineering technician and Dean Miller, electronics technician.

### Promotional Opportunities

(Continued from Page 2)

position has promotion potential to the GS-5 level. File applications for the above with Susie Cross, Bldg. 34, Rm. 210, Ph. 2371.

Automotive Transportation Clerk, GS-303-04, PD No. 792601, Code 34761 — This is a training position located in the Production Section, Transportation Division. The purpose of this position is to train an individual to be an Automotive Transportation Specialist. The length of the training program will vary from 6 months to 3 years, depending on the individual's experience and education.

Incumbent has responsibility for developing or assisting in the development of shop and department policy and programs relative to the acquisition, inventory assignment, utilization and disposal of mobile equipment, with primary function to investigate, analyze and determine best manner of use and projected inventory needs of the Center's transportation, weight handling, construction and materials handling equipment. Promotion potential to GS-09. Job Relevant Criteria: Basic ADP knowledge; computer capabilities and interpretation; familiarity with inventory practices; familiarity with accounting procedures; ability to plan and organize work; general knowledge of various types of transportation equipment; knowledge of techniques involved in assembling and analyzing data.

File applications for above with Lucy Lambert, Rm. 212, Bldg. 34, Ph. 2032.

Electronic Technician, GS-854-10, PD No. 7925046, Code 3517 — This position is located in the Foreign Technology Branch, System Sciences Division, Electronics Warfare Department. Incumbent will be part of a foreign material evaluation team which performs complete research and development projects involving foreign hardware. The hardware may include radar, electro-optical or electronic systems. Work will include analyses of exploitation test results in order to accurately define system characteristics and to drive foreign technological information.

File applications for above with Pat Gaunt, Bldg. 34, Rm. 206, Ph. 3118.

Secretary, GS-3184, PD No. 782118, Code 31803 — This position is located in the Aircraft Armament Systems Program Office, Survivability and Lethality, Air Targets Division, Systems Development Department. The incumbent is responsible for coordinating the program office by typing correspondence, composing memorandum and letters, receiving visitors and answering telephones. The incumbent collects and organizes information on funding and expenditures for the program manager. The incumbent prepares presentation material including financial information, to be used by the program manager.

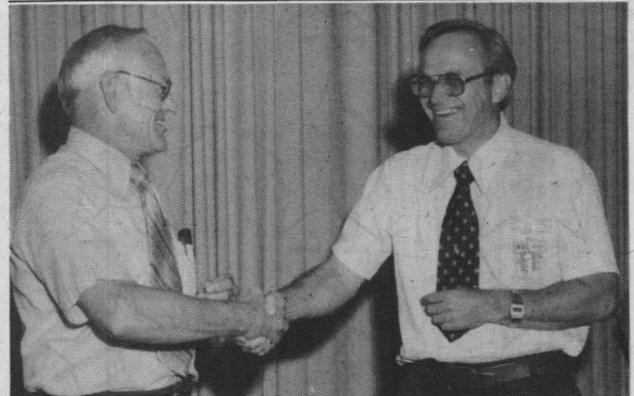
Job Relevant Criteria: Ability to communicate effectively orally and in writing with a variety of personnel; knowledge of correspondence procedures and instructions; knowledge of NWC cost reporting system and budgetary documents. Promotion potential to GS-5. Previous applicants need not reapply.

Supervisory Mechanical Engineer, GS-430-15, PD No. 792011E, Code 32 — This position is that of head, Conventional Weapons Division, Ordnance Systems Department. The incumbent manages a division composed of seven subordinate branches performing R and D work in the following areas: Warhead design and development; explosives formulation, testing and qualification; chemical systems design and development; cluster weapon development; and pre-fall weapons development. Through subordinate supervisors the incumbent manages the financial, capital and personnel resources of the division in order to accomplish the division's development programs. Job Relevant Criteria: Demonstrated ability to function as a manager of a multi-disciplined work force. Demonstrated ability to manage conventional weapons development programs. Demonstrated ability to manage scientific developments. Demonstrated experience in interfacing with all levels of Navy and DoD in regards to advising and representing NWC in connection with problems and programs.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Mechanical Engineer, GS-430-11/12/13, PD No. 7926099E, 7926100E, 7926048E, Code 3442 — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. The incumbent will be responsible for production and Fleet engineering support of guided missile warheads. Performs evaluation of contractor-proposed changes to the warhead from a design, explosive safety and functional reliability standpoint. Plans, directs and/or performs engineering tests (including live warhead firings) to determine effect of the proposed design changes. Is responsible for the coordination of guided missile warhead production data packages between multi-contractor sources. Is responsible for performing failure analyses, tests and studies on defective hardware returned from the Fleet to determine retrofit procedures and/or production design changes needed to correct hardware deficiencies. Advises development groups on production requirements for systems under development. Job Relevant Criteria: Ability to design mechanical components; knowledge of mechanical production processes and techniques; Navy RTD/E procedures; explosives and ordnance test and qualification procedures, missile system acquisition

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**3½ DECADES OF FEDERAL SERVICE** — A service pin in recognition of his 35 years of combined military and federal Civil Service employment is presented to Frank Knemeyer (at left), head of the Weapons Planning Group, by Bob Hillyer, NWC Technical Director. The presentation took place during the Commander's meeting held Monday in the Management Center of Michelson Laboratory. Knemeyer, who has been head of Code 12 since April 1978, came to China Lake in June 1948. At that time he had both a B.S. and an M.S. degree in aeronautical engineering, which he had received from the California Institute of Technology, and had worked briefly as an engineering assistant for the Douglas Aircraft Co. and the National Advisory Committee for Aeronautics before entering the Navy as an ensign. Among the honors bestowed on Knemeyer during his 31 years at China Lake have been the L. T. E. Thompson Award (the Center's highest recognition for outstanding individual achievement) in 1962, and the Navy Meritorious Civilian Service Award in November 1972. For more than 14 years (1960 through 1974), Knemeyer was head of the Weapons Development Department.