

CLOTA Sets Dates For 'Lion in Winter' Tryouts

Tryouts for "Lion in Winter" will be held next Tuesday, Wednesday and Thursday, Sept. 4, 5, 6, at the Community Light Opera and Theater Association (CLOTA) hangar, corner of Upjohn Rd. and S. China Lake Blvd.

Tryouts will begin at 7:30 p.m. Scripts are available in the NWC Library and at the Ridgcrest Library for those persons interested in auditioning for the show.

J. D. Gerrard-Gough has announced selection of his technical crew. Elena Vitale has been chosen assistant director, and Marijean Ackers will handle the technical direction chores.

Bill Beasley will be the stage manager and Alan Paulsen is in

charge of lights. Elizabeth Babcock is the set designer.

Costumes will be designed and fashioned by Louise Gillespie, with help from Vivian Childers, and June Renfro is in charge of properties, assisted by Ruth Howell.

Al Boyack will be the production photographer and Fred Weals is the CLOTA liaison member.

Publicity will be handled by Jack Lindsey and Pat Carson.

"These members of my staff are all volunteers, selected by me from a long list of very professional and talented people," said Gerrard-Gough. "I'm happy and pleased to be associated with them," he added.



LAST TWO PERFORMANCES — Theater-goers have two more opportunities to see "Hello, Dolly," the Community Light Opera and Theater Association production, which will be presented tonight and tomorrow night at the Burroughs High School Lecture Center. In the scene portrayed above Minnie Fay (l.), portrayed by Sandee Schwarzbach, and Mrs. Irene Molloy, played by Yvonne Beyer, discuss their evening out with two sports, Cornelius Hackl and Barnaby Tucker. The curtain goes up at 8:15 p.m. Tickets, priced at \$2.50 for adults and \$1.25 for students, are on sale at the Gift Mart in Ridgcrest, and at the Station Pharmacy. In addition, they can be obtained from cast members or at the Lecture Center door prior to curtain time each night.



COM LUAU — The buffet table was a big hit at the annual Commissioned Officers' Mess Luau, held last Friday night. According to Drake Dierkhising, COM manager, party-goers ate "everything in sight." More than 150 persons attended the celebration, highlighted by a Polynesian floor show. Dancers performed the hula, a fire dance, a knife dance, and attempted to teach luau attendees how to hula. "The Tides," a Polynesian group from San Francisco, provided the entertainment and the dance music, which continued until 1:30 a.m. "A good time was had by all," said Dierkhising.

Library's Summer Reading Program Ends With Party

The Center Library brought its summer reading program to a close last Friday with a party for youngsters that featured refreshments, a drawing for prizes and a movie about a cantankerous blue bicycle.

When the doors were opened at 1 p.m. by the librarian, Don Cook, to let the younger set inside, the slightly impatient throng was led by little Sabrina Wu, who admonished the librarian with "Better open up!"

But the library and Cook were ready with an antidote for calamity as the children used their own kind of magic to make a tableful of cookies and a case of milk completely disappear.

Claudia Fettkether won the first of two prizes, a personalized copy of "Charlotte's Web," a children's classic by E. B. White. The smile on young Joseph Turner's face, when he won a long-playing album of Lily Tomlin's "And That's the Truth," made all the trouble in staging the party worthwhile.

Moore Takes Over Barber Shop

Starting tomorrow, L. E. (Gene) Moore will take over as concessionaire at the Employee Services Board barber shop in Bennington Plaza.

Moore, who has moved to China Lake from Taft, is a former Navy enlisted man and is still a member of the Naval Reserve.

New hours of operation effective with Moore's operation of the barber shop are 9 a.m. to 8 p.m. on Mondays; 9 a.m. to 6 p.m. Tuesday through Friday, and closed on weekends.

Moore plans to move his wife and three small boys to the local area as soon as he can find suitable housing.



READING PROGRAM ENDS — A party was held at the Center Library last Friday to celebrate the windup of the Children's Summer Reading Program. Don Cook (in center background), NWC's librarian, is showing a film entitled "The Blue Bicycle." Milk and cookies were served. According to Cook, turnout for the program throughout the summer was "gratifying."

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.
(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian
CS - Cinemascope
STD - Standard Movie Screen
Regular starting time - 7:30 p.m.
Matinee - 1 p.m.

FRI. 31 AUG.

"THE GOSPEL ROAD" (102 Min.)
Johnny Cash, Robert Elfstrom
(Religious Drama) Singer-composer Johnny Cash is seen in the Holy Land as he relates the story of Jesus Christ. While Cash narrates, Christ's life is portrayed. (G)

SAT. 1 SEPT.

"THE SAVAGE WILD" (101 Min.)
Gordon Eastman, Carl Spore (G)

—EVENING—

"VAMPIRE CIRCUS" (91 Min.)
Laurence Payne, Adrian Corri
(Horror) Having killed Count Mitterhouse for vamping it up with the town professor's wife, a group of Serbian villagers sit back to await the working out of the Count's curse upon the children of the village. (PG)

SUN. & MON. 2-3 SEPT.

"KILL" (89 Min.)
Stephen Boyd, Jean Seberg
(Drama) James Mason is sent to Pakistan to find the Coordinator, head of an international dope ring. His wife, Jean Seberg arrived a day ahead of him and meets Stephen Boyd, a lone wolf killer of people involved in the drug trade. (R)

TUES. & WED. 4-5 SEPT.

"THE MAN" (93 Min.)
James Earl Jones, Martin Balsam
(Drama) This is the story of a black senator (James Earl Jones) who is thrust into the Presidency after the accidental deaths of the President and other key officials. (G)

THURS. & FRI. 6-7 SEPT.

"YOUNG WINSTON" (125 Min.)
Robert Shaw, Anne Bancroft
(Historical Drama) This film portrays the life of Winston Churchill as a young second lieutenant serving as war correspondent in India. Later, during the Boer War, Churchill takes command of a small detachment of soldiers. Captured, he manages to make a daring escape. In the House of Commons, he defends his father's policies and advocates neutrality. (PG)

Photos Sought For File at Museum

Noting that many old timers on the China Lake scene have already retired, or may be planning to retire soon and leave the area, a call has gone out from the Maturango Museum for contributions to the museum's historical file.

Photographs showing early days at the U.S. Naval Ordnance Test Station, or souvenirs of unusual events that transpired when the Station was in its infancy, will be gratefully accepted, George Silberberg, president of the museum's board of directors, stated.

Contributions can be left at the museum on week days between 9 a.m. and noon, or from 3 to 5 p.m., and on Saturdays and Sundays between the hours of 2 and 5 p.m.

Trouble Desk Now Has New Phone No.

Employees and residents of the Naval Weapons Center are reminded that a new phone extension has been installed at the Housing Division's Trouble Desk.

The number — ext. 2268 — should be called to report any emergency or trouble in private residences or offices on the Center.

From _____

TO _____

PLACE STAMP HERE



TESTS CARRIED OUT HERE — The F-14 Tomcat, the Navy's newest fighter aircraft, is currently undergoing a series of tests, utilizing facilities and personnel at the Naval Weapons Center's Baker Range. Tests of both gun accuracy and bomb delivery accuracy have been carried out and will be continuing, along with Board of Inspection Survey (BIS) trials and Operations and Evaluation of the new fighter aircraft.

Tests Conducted Here Of Latest Navy Fighter Plane

The first gun accuracy demonstration test of the F-14 Tomcat, the Navy's newest fighter aircraft, was successfully conducted on June 1st at the Naval Weapons Center's Baker Range area. More such tests are continuing and should be completed soon.

Both the gun accuracy demonstration and bomb accuracy demonstration tests, Board of Inspection Survey (BIS) trials, and Operations and Evaluation of the new fighter aircraft (OPEVAL), will be conducted at Baker Range in the months to follow.

All Objectives Met

All objectives of the demonstration, which was to verify the computer program for the gun and bomb accuracy, were met, according to John Halligan, NWC project engineer in the Engineering Department's Air Operations Division.

The F-14 Tomcat was flown here from Point Mugu for the gun accuracy demonstrations by Charlie Stender and Hal Farley, Grumman Aircraft project pilots, staging out of the Naval Missile Center.

Stender, who is a former Air Test and Evaluation Squadron Five (VX-5) pilot, and Farley, were directed onto the target during the operations by Paul Alexander, air controller on Baker Range, while Jerry Senn, the plot board operator, recorded the aircraft's dive angle and direction of flight.

Interested Observers

Interested onlookers in the Baker Range tower during numerous tests have included Fred Herman, Howie Evens and Jim Homer, test representatives of the Grumman Aerospace Corp., builders of the F-14. Capt. Charles Pinney of VX-5 also observed operations in preparation for the upcoming OPEVAL.

Tests of the Tomcat on the NWC ranges began in March and, according to Halligan, "we've just scratched the surface and have a lot of testing yet to do."

The manufacturer (Grumman) has been pleased so far with the gun accuracy and bomb accuracy tests that have been conducted, while the Navy is happy with the tests that have been conducted

The first bombs to be dropped from the F-14 were released during a separation test at G-Range on May 7. The separation tests were completed satisfactorily, which paved the way for the bomb accuracy demonstration program that commenced on May 21.

Traffic Signs To Be Installed In Capehart Area

Due to some difficulties in traffic flow in the north Capehart housing area, a number of new traffic signs will be installed next week.

A stop sign will be placed on Ticonderoga Ave. where it intersects Midway Rd. Another stop sign will be installed at the north end of Intrepid Rd., where it intersects with Ticonderoga Ave.

Yield signs are planned for both ends of Kelly Rd., Shangrila, Bogue and Coral Sea Circles where they each intersect Ticonderoga Ave.

Another yield sign will be placed at the south end of the island on Saratoga Ave. where it intersects Essex Circle. This sign will face east and direct traffic to yield to vehicles in the west lane on Saratoga Ave.

Seabee Trailer Park

A stop sign will be erected at the exit of the Seabee trailer park on Princeton St.

These traffic sign changes are being made after taking into consideration suggestions from concerned residents.

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Aug. 31, 1973

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Device Used Against Fires Proves Value

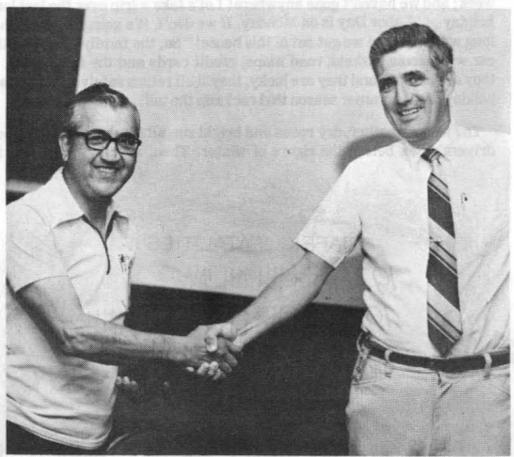
The utility of a fireline construction device which personnel of the Naval Weapons Center had a hand in developing was proven recently in Montana, where U. S. Forest Service officials were involved in the suppression of a fire that had broken out in a part of the Lolo National Forest—approximately 120 miles north of the City of Missoula.

Jim Lott, a representative of the Forest Service's Equipment Development Center in Missoula, Mont., who three years ago had been in on some of the initial tests of the NWC-developed explosive device for rapid construction of fire lines, called last Friday to notify Dr. Carl Austin, of the Research Department's Detonation Physics Division, about the success achieved in field use of this special equipment.

Lott reported that a 6-man fire fighting crew had been able to lay out and then quickly blast clear a 2,900 ft. strip of aid to combatting a fire that damaged 7,000 acres of timberland.

The basic device consists of either one, two or three strands of 400 grain primacord centered in a plastic tube that also contains an outer cavity which can be filled with fire-retardant material. Unreeled from a back pack, it can be deployed in any lengths or any desired configuration.

Upon detonation in the forest, a line 1½ to 2 ft. wide is cut through the adjacent undergrowth and provides quick access to the area in addition to coating nearby brush and shrubs with fire retardant material. Another helpful by-product that was discovered by the recent use of this device in Montana was that it also killed the nearby yellowjackets — stinging



TOP EFFORT RECOGNIZED — A congratulatory handshake was extended by Dr. Walter B. LaBerge, NWC Technical Director, to Nadim Totah (at left), who, this past Monday became the fifth recipient of the recently established Technical Director Award. Totah, the Condor program manager, was commended for the successful completion of effort undertaken to simplify and improve upon the reliability of the Condor missile.

Totah Receives TD Award For Condor Missile Work

Successful completion of the Condor missile simplification program was recognized this week by the presentation of an NWC Technical Director award to Nadim P. Totah, Condor program manager for the past three years.

Except for a period of 18 months immediately prior to June 1965, when he was employed in private industry, Totah has worked at China Lake since coming here in June 1952 with a BS degree in mechanical engineering from the University of Houston. Assigned initially to the old Rockets and Explosives Department, he is still employed in its successor — the Weapons Development Department — and has been with the Condor program office since 1965.

The work done by Totah and others involved in the Condor program is seen as "a major achievement in reducing cost and improving the reliability of this important strike weapon system," the letter of commendation which accompanied the award states.

Presentation of the Technical Director Award was made Monday morning by Dr. LaBerge during the Center's Technical Staff meeting. Totah, the fifth recipient of the award for outstanding technical accomplishment, which was established this past May, received an engraved paperweight and a \$200 stipend along with the letter of commendation.

The particular phase of the



MISSILE ON TARGET — A split second before a simplified Condor missile blasted its intended target into oblivion, a tracking camera caught the above view of the modified and improved version of this air-to-surface weapon.

Editorial

The Last Weekend?

"The summer always seems so short. Here it is August, some of the kids have started back to school, and others will be doing the same next week; and we haven't gone anywhere! Let's take a trip over the last long holiday . . . Labor Day is on Monday. If we don't, it's going to be another long winter before we get out of this house!" So, the family piles into the car with picnic baskets, road maps, credit cards and the family dog. If they are careful, and they are lucky, they'll all return safely. It's that last holiday of the summer season that racks up the toll.

The warm weather, dry roads and bright sun all combine to make good drivers relax before the rigors of winter. Then, as they notice the in-



creased traffic, they tense up and many lose their tempers. After two big days and hundreds of miles between home and the car, the impatience grows. That's when those bright summer days work against them. The heat and the congestion, fumes from commercial vehicles, and squabbling passengers lead to rash moves at high speeds. Tail-gating and sudden lane changes without signals are to be expected. Just getting home a few hours earlier — to rest — is the objective of the driver. Many don't get there at all.

The message is clear: limit your weekend trip and allow for traffic. Keep a cool head if things go wrong like a traffic jam or a flat tire. Try to be around on Tuesday, Sept. 4 to gripe about the bad trip!

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California
RADM. Paul E. Pugh
NWC Commander
Dr. Walter B. LaBerge
Technical Director
C. E. Van Hagan
Head,
Technical Information Department



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1015
Sunday School—All Ages 0900
Wednesday Noon Bible Study 1130
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.
Communion Service First Sunday of the month.

ROMAN CATHOLIC

MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1130

BLESSED SACRAMENT CHAPEL

MASS
Daily except Saturday 1135
First Friday only 1135 1700
CONFESSIONS
Saturday 1545 to 1645
Sunday 0800 to 0825

CCD CLASSES

Sunday Kindergarten thru 6th grades 1015
Wednesday Seventh and 8th grades 1900
Above classes are held in Chapel Annexes across from Center Restaurant.
As announced Ninth thru 12th grades
In Home Discussion Groups
Monthly Youth Rallies
Contact Chaplain's Office for specifics.

JEWISH SERVICES

EAST WING-ALL FAITH CHAPEL
Friday 1st and 3rd ONLY
Sabbath Services 2000
Saturday Sabbath School 0900

UNITARIANS

CHAPEL ANNEX 95
Services 1930

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Office, Code 452, Extension 2049. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Clerk-Typist GS-322-3 or 4, PD No. 7370009, Code 7083 — Incumbent furnishes clerical services for the preparation of the annual maintenance — a program for estimating maintenance items obtained from a continuous inspection program. Incumbent maintains the facility history records, and records of portable buildings, trailers, vans, roads and utilities. Records safety weight tests and maintains preventive maintenance inspection cards; keeps inspector reports and inventory records current. Minimum Qualification Requirements: One year experience for GS-3; two years experience for GS-4, as specified in the CSC Handbook X-118. Job Relevant Criteria: Must be a qualified typist; must be able to work with a variety of complicated records systems. Show initiative with little or minimum supervision.

Machinist (Maintenance) Helper, WG-5315-05, JD No. 329, Code 70423, (2 vacancies) — Assists journeyman in overhauling, maintaining and repairing machinery, shop equipment, ordnance plant processing equipment and machinery, power plant equipment, pumping plant equipment and range testing equipment. Performs simple elements of the trade alone within his ability and knowledge, including the use of journeyman tools and equipment. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standard in accordance with the CSC Handbook X-118.

Production Controller GS-1152-07, PD No. 7370102, Code 7083 — The incumbent assists with work reception in the controlled maintenance program to insure proper classification and subsequent action. A principle function is the preparation of the management reports used by department managers to direct the controlled maintenance



GENEROUS HELP GIVEN — A check for \$1,300, raised by a special collection taken from members of the Naval Weapons Center's Catholic congregation, was presented recently for the use of the Rukyuan / American Children's Foundation. The presentation of this gift was made by LCDr. Joseph R. Shea, chaplain of the 1st Marine Air Wing's Marine Air Group 36 stationed at Futema, Okinawa, to Fr. Dominic Silvestro (at left), OFMCap. The Rukyuan / American Foundation provides an English language education for mixed blood children of American / Rukyuan parentage who have been abandoned by their fathers. Fr. Dominic expressed his gratitude to the Catholic congregation of NWC for sharing his concern about these forgotten children.

program. Minimum Qualification Requirements: As outlined in the CSC Handbook X-118. Promotion Potential: GS-9. Heavy Duty Equipment Serviceman WG-5804-04, JD No. 303-1, Code 70764 — Performs semi-skilled work on all types of heavy duty equipment. Utilizes technical instructions, manuals and other publications which are applicable to the heavy duty equipment to be serviced, repaired, and maintained in order to keep this equipment in good operating condition. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element Standards in accordance with the CSC Handbook X-118.

File applications and Supplemental Experience Forms for the above with Dora Childers, Code 457, Rm. 216, Ph. 2022. Secretary (Typing), GS-318-4 or 5, PD No. 7357003, Code 373 — This position is secretary to the head of the Test Support Division of the Test and Evaluation Department. Incumbent initiates certain non-technical correspondence, screens mail and phone calls, and types correspondence from rough drafts. Provides editorial assistance to the professional personnel in the division in preparation of technical reports. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Familiarity with work and personnel of the division. Able to work independently. Working knowledge of editorial principles and techniques.

Mathematician, Physicist or Engineer, GS-11 or 12, PD No. 7351187, Code 5137 (two vacancies) — The incumbent provides computer systems programming, documentation, instruction, and consulting services for users of the UNIVAC 1108 ADP facility. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Knowledge of large scale digital computers (e.g. UNIVAC 1108, IBM 360, 50 and above, CDC 6000 Series etc.) Ability to deal directly with engineers and scientists to identify system software requirements. Ability to implement and maintain system software. Supervisory General Engineer, GS-801-13 or 14, PD No. 7351998, Code 5125 — This position is head of the Seeker Branch, located in the AGILE Development Division, Systems Development Department. Provides technical and administrative leadership and supervision to approximately 15 scientists, engineers and technicians involved in the development of a free gyro seeker for use in the AGILE Weapon System. Provides technical coordination and liaison with the principal support contractor for AGILE, the program sponsor and other technical groups on and off-center. Job Relevant Criteria: Demonstrated leadership and supervisory capabilities. Experience in the design, development, analysis and testing of seekers. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. File applications for above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Secretary (Typing), GS-318-5, PD No. 4985013 AM 1, Code 854 — This position is that of secretary to head, Communications and Electronics Maintenance Division of the Command Administration Department. Responsibilities include receiving visitors, screening callers, maintaining division calendar, receiving and reviewing incoming correspondence, preparing inter-division memos, provides various statistical and technical material upon request. Job Relevant Criteria: Familiarity with communications vocabulary. Experience in dealing with individuals with diverse interest and backgrounds. Ability to work independently and ability to work under pressure. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925. Computer Specialist, GS-334-5 or 7, PD No. 7335061A, Code 3511 — (This is a temporary position not to exceed one year. incumbent is

(Continued on Page 7)

Holiday Schedule

Following are the hours of operation for NWC activities on Labor Day, Monday, Sept. 3.

Table with columns: Facility, Hours Open, Special Services. Lists various facilities like Auto Hobby Shop, Golf Course, Gym, Pool, Hall Lanes, Theater, Youth Center, ESB Dining Room, Fazio's Supermarket, ESB Facilities, Navy Exchange, Bowling Alley Snack Bar, Chick Inn Restaurant, and their operating hours for Labor Day.

Employee In The Spotlight

Curtis V. Bryan, head of the RPV (remotely piloted vehicles) Projects Office in the Surface Missile Department's Technology Development Division, grew up in an oil town—Tulsa, Okla.



Curtis V. Bryan

"Naturally, I wanted to be an oilman, so I went to school to study for a degree in petroleum engineering," Curt said.

Following his high school graduation from the Oklahoma Military Academy, Claremore, Okla., Curt entered the Colorado School of Mines, Golden, Colo. He did earn his degree but along about his junior year, Curt switched affiliations.

"I did a lot of work in oil fields when I was growing up—roustabout, roughneck, working for a geophysics crew—and after a time away from that, I decided to work in a completely different area," he explained.

That's when Curt met Conrad Neal, who was on a recruiting tour for NWC. In 1957, following his graduation from the School of Mines, Curt came to China Lake. He began as a junior professional on the ground ranges, working for Jimmy DeSanto.

In 1961, Curt joined the old Test Department's Project Engineering Division and worked for John DiPol, and, in 1968, he switched to the Systems Development Department's Instrument Development Division.

This move began an association with Leroy Marquardt that has continued until the present time. In February 1971, Curt was made head of the office he now leads.

Programs Successful Along the way he has been connected with some highly successful projects at NWC—HITAB, the Terrier-Tartar test and evaluation program, and he was systems program manager for the Automatic Formation Drone Control project. His office is presently working on the QF86H program and the ASMD target requirements.

Curt has earned "quite a few" outstanding ratings and superior accomplishment awards for his work. Recently, a Congressional investigating staff spokesman remarked that Curt understood remotely piloted vehicles as well, or better than anyone they had met in the field. He enjoys his job and is ready to talk "shop" instantly.

"If we had more employees at China Lake like Curt Bryan, this would be an even more exceptional place to work," said Leroy Marquardt, head of the Surface Missile Department's Technology Development Division. "His eagerness and enthusiasm for the job makes life easy for managers. Curt is totally dedicated to his job and to getting the best results for the Navy," Marquardt added.

"Good Working Relationship" "We've had a working relationship that's been as good as any I've had with anyone, for we understand one another. Curt is easy to work with, for he always knows where he stands," the division head concluded.

Curt is a member of the Joint Technical Coordinating Group's Systems Integration Panel and Command and Control Panel. "I'm not a joiner, though," he

confided. "I devote all my free time to the second passion of my life, golf," he explained. Curt's first passion is his wife, Gretchen, whom he met on a blind date when she was a coed at the University of Colorado, at Boulder. "Boulder was only 40 miles away. At the School of Mines there were very few women students, so most of us dated coeds at Boulder," Curt said. The Bryans have two daughters, Wendy, 15, who will be a sophomore at Burroughs next month, and Kelly, 13, who will enter the eighth grade at Murray School. Gretchen and the girls are involved in raising guide dogs for the blind in the 4-H Club program. "So far, we've raised four of the animals," Curt said. "We now have approximately 190 lb. of dogs running around our house, since we were allowed to keep two of them full time because they were rejected as guide dogs," he smiled wanly.

Wife Loves Animals

Gretchen loves animals. She works parttime for the Ridgecrest Animal Hospital and she's a project leader in the Guide Dogs for the Blind program.

Curt is a past president of the China Lake Golf Club (two terms), past tournament director (three terms), and has served on the board of directors for 10 years. An avid golfer, Curt is presently a 2 handicap. He has been runner-up to the club champion four times in the past, and with various partners, he has won the local club's invitational tournament three times.

He learned to play golf when he was 16 years old and took lessons from Marion Askew, recognized in 1966 as the PGA Club Professional of the Year. "He was a great teacher," Curt said.

His proudest moments have come when he has qualified for the annual Southern California Golf Association's amateur tournament. "I've qualified to play five times out of eight tries," Curt said.

Last year at the annual Banquet of Champions, Curt was honored by NWC's Special Services Division for the many contributions he has made to the sport of golf at NWC. "We're proud to have you here and associated with our golf club," said Marty Denkin, NWC athletic director, who presented the award.



HELITAC PRACTICE — Members of the IWV Search and Rescue Team got together recently to hold their annual Helitac practice. Helitac stands for helicopter tactical operations and for the local ground and underground rescue group means familiarization with emergency procedures involving the use of a helicopter. In the photo above, the 'copter pilot, LCDr. George Baland, listens to landing instructions from his crew chief, AMH1 D. B. Zielke. The pilot will practice power-on landings, one-skid touchdowns and landings under signals from IWVSAR members, such as smoke grenades and signal lights. Prior to departing the NAF flight line, search team members are given a briefing telling them the proper ways to depart and board the 'copter during power-on landings. In the photo at left, ADR3 Mark Stroschein, a crew member, is fitted with a horse-collar, used to pick-up 'victims' who can navigate under their own power. Team members also learn how to use a stretcher and how to load it aboard a hovering helicopter. The China Lake Mountain Rescue Group also schedules similar Helitac operations.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

on Fellowship.) This position is located in the Systems Simulation Branch, Systems Sciences Division, Electronic Systems Department. The incumbent formulates computer programs for evaluating and simulating weapons systems. He assists other analysts in the use of computing devices, especially remote terminals. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: The position requires a solid background in the UNIVAC 1108 system and associated software. The incumbent should be experienced in the use of remote computer terminals. A knowledge of FORTRAN is essential.

Clerk (Typing), GS-301-3 or 4, PD No. 7320008, Code 3503 — This position is located in the office of the associate head for Surface Threat Development, Countermeasures Division, Electronic Systems Department. The incumbent acts as receptionist; maintains branch files; types official correspondence, informal memoranda, travel orders, itineraries, routine branch forms as required, etc. Keeps timekeeping records and is responsible for the weekly submission of time cards. She provides all clerical and typing support required and performs other miscellaneous duties as needed. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Must be qualified typist with experience on MTST. Must have ability to deal tactfully with others, and be conscientious toward her position. Advancement Potential: GS-3 may advance to GS-4.

Staffing Clerk (Typing), GS-203-4 (full performance level), Clerk (Typing) GS-301-4 or 5 or Staffing Clerk (Typing) GS-203-5 or 6, PD No. 4965021AM1, Code 652 — This position is located in the Employment Division of the Personnel Department. The incumbent of this position: (1) Coordinates in detail of the Center's professional recruitment activities,

prepares publicity items and special informational releases to sources of recruitment, and is responsible for record keeping correspondence and preparation of reports. (2) Is responsible for qualifications rating of scientific and engineering applications GS-5 through 13 as a panel member of the U. S. Civil Service Commission. (3) Performs general secretarial duties for recruitment coordinator and other general clerical duties as assigned. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Staffing Clerk (typing) GS-5 or 6; Ability to work independently, thorough knowledge of qualifications rating and the employment process, demonstrate ability to work under pressure with many deadlines. Clerk (Typing), GS-4 or 5: Same as above except thorough knowledge of qualification rating not required. Advancement potential: GS-4.

Electronics Engineer, GS-855-12, PD No. 7325992, Code 3507 — This position is located in the Production Group, Shrike/Standard Arm Program Office, Electronic Systems Department. The purpose of this position is to provide technical support to the Standard Arm Production Manager in the areas of guidance system design evaluation, test, and product improvement. The incumbent is responsible for evaluating guidance system design capabilities, and recommended changes, for performance, producibility, reliability and quality. The incumbent is also responsible for devising, monitoring and evaluating production acceptance test programs. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in guidance system design determination. Capable of interfacing with, and coordinating the efforts of, contractors and other government agencies.

Procurement Clerk (Typing), GS-1104-3, 4 or 5, PD No. 7225053-2, Code 2522 — Types, assembles, and distributes purchase orders,

delivery orders and other paperwork involved in small purchase and government contracts. Furnishes information regarding procurement status to customers and vendors; receives salesmen; maintains files and records pertaining to procurement. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: GS-3, 4 or 5: Ability to meet and deal with others; ability to deal effectively with outside contacts; proficient typist, GS-4 or 5: Ability to make decisions, familiarity with the functions of government procurement operations, ability to function under minimum supervision. GS-5: Proficient in operating IBM MTST Typewriter; knowledge of purchasing procedures, practices and regulations. Advancement Potential: Procurement Clerk, GS-5 and Purchasing Agent GS-5 and GS-6. File applications for the above with Sue Prasolowich, Bldg. 34, Rm. 206, Ph. 2577.

Registration Set At Cerro Coso College

Cerro Coso Community College will hold open registration on Sept. 5, 6 and 7. This will be a registration period for students who have not previously had counseling appointments. Registration on Sept. 5 will be held from 6 to 9 p.m., while the sign-ups on Sept. 6 are set for 3 to 8 p.m. A daytime registration period will be held on Sept. 7. Hours of registration on this date will be from 10 a.m. to 3 p.m.



Femme Line

By Carol Benton

Since 1955, when the Mojave Desert Inter-Service League was formed, China Lake has yet to win the Commander's Cup — the huge trophy presented each year to the over-all points leader.

The closest we have come is third place last year. This year, O. A. "Gabe" Imer, head of NWC's Special Services Division, and the man mostly responsible for MDISL, has a shot at the trophy. NWC is now in third place in the points standings, only two points out of first place.

Local teams won the tennis competition, finished second in flag football, and third in basketball, handball and softball. Our poorest showings were in volleyball and bowling.

Only one sport remains — golf. The MDISL golf tournament will be held Sept. 19 and 20 at Edwards Air Force Base. NWC has always done well on the fairways. The China Lake par-busters have won the MDISL golf competition for the past two years in a row. It looks like this year will be no exception.

The local team is composed of veteran golfers Bob Moore, Jeff Summey, Curt Bryan, Dick Bauers, Dick Clay and Max Smith, the team captain. Moore and Smith are past China Lake Men's Golf Club champions, and Clay is the current title-holder. Summey recently took first place in the 11th Naval District golf tournament, and Bryan has finished high up each year in the local club championships. Bauers is a low handicapper and a former assistant to the China Lake Golf Club professional, Paul Someson.

A newcomer has been added to the team — Jim Armstrong. With his addition, the team presents a well-rounded front to any opponents.

NWC needs to win, and George Air Force Base and Norton Air Force Base must be shut out in the golf tourney. Sports fans who can get away to watch the contest should help to support our team to victory.

We've never been this close to that Commander's Cup!

Deadlines Set for Men, Women To Register for Flag Football

Entry deadlines for the fall flag football season are Sept. 5 for men and Sept. 6 for women and girls.

The registration fee for all civilian participants is \$5, with the exception of men seeking positions on the NWC Varsity flag football team. The latter should obtain tryout applications from the Center gym no later than 4:30 p.m., Wednesday, Sept. 5. All Varsity hopefuls will meet at the gym at 6 p.m. on Sept. 5 for discussion of the season opening on Oct. 6.

Intramural season will begin on Sept. 10. Entry is open to both

military and civilian employees of the Naval Weapons Center. A captain's meeting will be held in the gym at 5 p.m., Sept. 5.

Women and girls' flag football will both begin on Sept. 24. Participation is open to military and civilian employees of NWC and their dependents. Meetings of prospective players will be held at the gym on Sept. 6 at 5 p.m. for the girls and at 6 p.m. for the women.

Interested persons desiring further information should direct their inquiries to Marty Denkin, phone ext. 2334.

1973 Deer Tag Option Same as '72

Deer hunters have the same options under the tag system this year as last, the Department of Fish and Game noted in a reminder issued in response to many inquiries.

Under the system which went into effect last year, the general tag is good for one buck anywhere in the state where the Fish and Game Commission has authorized deer hunting.

The second, or option, tag may be either: (1) used for taking a buck in areas where the commission has authorized taking two bucks, or (2) used by a successful special hunt applicant to exchange for a special deer hunt permit.

In any event, the requirement of two years ago that the hunter at-

Water Safety Instructor Class To Begin Tues.

Plans have been announced for offering an American Red Cross course for water safety instructors at the Center swimming pool starting on Tuesday, Sept. 4.

The class, which will be held on Tuesdays and Thursdays from 8 to 9:30 p.m., will continue through Nov. 29.

Persons interested in registering for the water safety instructor course are asked to call Barbara Mason at 375-8856.



BADMINTON CHAMP — Reuel Launey (l.) is congratulated by Blaine Davies after Launey won the badminton singles championship in the summer athletic program at the Center gymnasium. Davies was the runner-up.

Summer Athletic Program Champs Crowned at Gym

With the exception of handball, the NWC Special Services' sponsored summer athletic program has come to an end.

Scheduled to meet next week in the handball finals are Ver1 Lillywhite and Rick Roberts, who have each won their brackets in the round-robin style tourney. Sixteen entrants took part in the tourney.

Chuck Jones and Larry Levens teamed up to win the two-man volleyball competition. They won 19 games and lost 2, thus finishing one game ahead of Jerry Kissick and Duane Fojt, who posted an 18-3 record. Twelve teams participated in the two-man volleyball program.

Twenty-four table tennis aficionados vied in a double-elimination, round-robin type ping pong tourney. Lee Cunningham finished on top, with Reuel Launey and Mel Nadler capturing second and third places, respectively.

Launey won the badminton competition. He faced Blaine Davies in the finals after each had won their brackets in the round-robin style matches by posting seven wins and no losses. Sixteen entrants took part in the badminton competition.

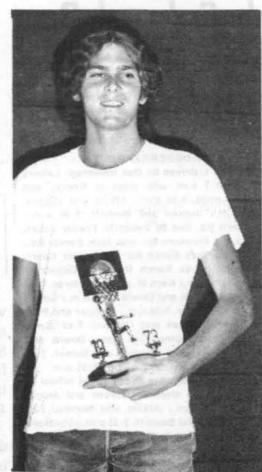
One-on-one basketball was divided into two categories — under 6 ft. tall, and over 6 ft. in height. For the second consecutive year, Greg Moore won the title in



ONE-ON-ONE — Bill Nicol (c.), NWC's Intramural Director, congratulates Greg Moore for winning the One-on-One basketball championship for participants under 6 ft. tall. This is the second consecutive year that Moore has won the title. Rudy Moreno (l.) finished second.

the under 6 ft. category, defeating Robert Blanche first in a playoff to win his bracket, then overcoming Rudy Moreno in the finals.

Steve Nathan garnered the over 6 ft. crown, handing Greg Richey



TALL MEN'S CHAMP — Steve Nathan holds the trophy he received for winning the One-on-One basketball division for players over 6 ft. tall. Greg Richey was the runner-up in this division.

his third loss of the tournament. Richey, who placed second, and Melvin Miles, who took third place, along with Nathan, had each lost two games during the regular round-robin play. They met in the finals with Nathan emerging the victor.

'73 Dove Season Opens Tomorrow in California

The 1973 dove hunting season will begin in California tomorrow. According to the Department of Fish and Game, prospects in the southeastern desert areas are the best in years.

Prime hunting opportunities should be found in the Palo Verde Valley and along the Colorado River.

This year's 46-day split season will continue through Sunday, Sept. 30, then reopen on Saturday, Nov. 24 and run through Sunday, Dec. 9.



By Jack Lindsey

A real problem exists, not only in the Indian Wells Valley, but throughout the United States, of bicycle thefts.

Bev Elliott, who represents the Indian Wells Valley Bicycle Club, called me the other day and we talked about how bicycle owners could protect their gear.

It seems that the entire bike must be locked to prevent the theft of any parts. Last Sunday, my son dutifully locked his 10-speed bicycle in the rack provided in front of the Hall Memorial Lanes. After he had finished bowling he came outside and discovered that someone had taken the front wheel — in broad daylight!

This disturbed me for I had instructed him to always lock up the bike as I know that in our society today, people will steal anything that isn't bolted down.

However, there is a solution to this type of theft, although it's costly. There is, on the market, a device known as a "Curley Cable," which comes in lengths long enough to be wound through front wheel, frame and back wheel and then through a bicycle rack, locked with a combination lock. This will not, of course, prevent someone from stealing the bicycle seat, or, in frustration, smashing the bicycle to pieces because it could not be stolen, but it might help.

According to Bev, thefts of bicycle parts occur constantly. Every member of the IWV Bicycle Club has reported, at some time or other, having had some part of a bicycle ripped off.

Bicycle thievery is big business in large urban areas, for bikes have a high resale value. Here at home, however, most of the thefts are perpetrated by youths, which makes me wonder why parents don't question their children who suddenly come home with a new wheel, or seat, or other paraphernalia to fix their bicycles.

Dr. Austin, a research geologist in the Research Department's Petrodynamics Branch, noted that safety tests run recently have confirmed that the explosive cord can burn without detonating, which is another plus for the NWC-developed fireline construction device.

The meeting will begin at 7:30 p.m. According to Bev Elliott, secretary of the club, the first meeting will be a swap n' sell together. "Members should bring all their old bike parts to the meeting," said Mrs. Elliott.

IWV Bike Club To Meet Again Next Tuesday

The Indian Wells Valley Bicycle Club will resume its regular bi-monthly meetings on Tuesday, Sept. 4, in Rm. N57 at Burroughs High School.

Anyone interested in bicycling is invited to attend. The Bicycle Club will meet on the first and third Tuesdays of each month until next summer.

F-14 Testing...

(Continued from Page 1)

involving the long range Phoenix AIM-54 Missile, the project engineer added.

On this latter point, Halligan noted that a successful Phoenix captive flight test was flown against QT-33 (drone) targets. The significance of this test, he pointed out, was to obtain data in preparation for the actual air launch operation. The air launch was completed satisfactorily on June 25.

Grumman Aerospace Corp. is in charge of the contractor demonstration test program on the F-14, while VX-4 (stationed at Point Mugu) is carrying out the operational evaluation of the new aircraft.

Exhaustive Tests Run

The F-14 has already undergone one of the most exhaustive ground and flight test efforts ever undertaken on any aircraft—military or civilian. The demonstration of structural integrity alone has required several years of continuous static and fatigue testing.

According to engineers for the Grumman Corp., these tests were especially important in view of the fact that the F-14 incorporates many unique design features, such as variable sweep wings, and uses some unconventional materials and fabrication and assembly techniques.

Other Test Work

The current test program includes more bomb drops and gun accuracy demonstration tests and a Sparrow III AIM-7F Missile captive flight and air launch. The Tomcat also is capable of firing latest versions of both the Sidewinder and Sparrow missiles.

Since airborne testing of the Tomcat began on the NWC ranges in March, tests that have been satisfactorily carried out include jettisoning the fuel tank, separation of both high drag and low drag bombs, and environmental control systems captive flights with telemetry and on board recorders that record the aircraft's maneuvers.

Fire Fighting...

(Continued from Page 1)

insects that can be a problem to those attempting to combat forest fires.

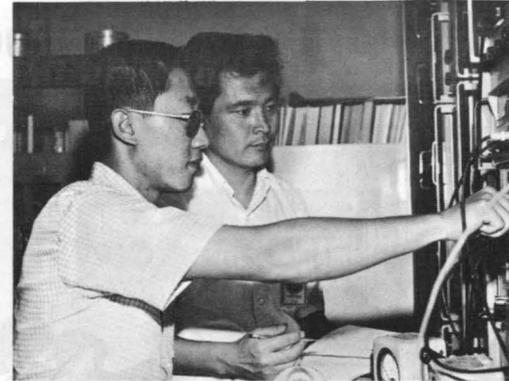
In addition to reporting on the successful results achieved in combatting a forest fire in Montana, Lott advised that next week he will be at Cave Junction, Ore., where he will have available more of the fireline construction devices for use, where needed, in the Siskiyou National Forest during the height of what has become a disastrous season for forest fires.

Dr. Austin, a research geologist in the Research Department's Petrodynamics Branch, noted that safety tests run recently have confirmed that the explosive cord can burn without detonating, which is another plus for the NWC-developed fireline construction device.

Social Security Man To Visit China Lake

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, Sept. 5.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.



HERE FOR TELEMETRY TRAINING — Two engineers from the Republic of Korea, Mr. Tae-Jong Yu (at left) and Dr. Tong-Won Kim are now at the Naval Weapons Center for a three week period of training in the use of telemetry equipment. One week of this time will be spent learning about the operation of airborne equipment, and during the remaining time the Korean engineers' attention will be focused on ground receiving and data recording equipment. This special help is being provided under the Naval Science Assistance Program and is aimed at enabling the Republic of Korea to develop the capability for setting up its own telemetry system.

Totah Receives Award...

(Continued from Page 1)

Condor program for which Totah and his associates were commended began two years ago. It was aimed at both reducing the cost of the missile and improving upon its reliability. In order to do this, work that had been done earlier on an advanced version of the Walleye missile was adapted to Condor — a stand-off air-to-surface missile for use by carrier-borne aircraft.

Management Theory Seminar Slated Sept. 19-21

Enrollment applications are now being taken for a 3-day seminar in the Theory and Practice of Modern Management that will be held from Sept. 19 through 21 at the Training Center.

The seminar is to be conducted by Dr. Manek S. Wadia, a management consultant and lecturer for various business, government and Armed Forces organizations.

Its objectives will be to provide an understanding of the conceptual framework in the general field of management, and to apply the knowledge gained through the use of cases, movies, role plays and incidents for the analysis and solution of management problems.

NWC employees interested in attending this seminar should submit a completed copy of NWC Enrollment Form 12410/28 via department channels in order to reach Code 654 no later than next Thursday, Sept. 6.

Professors From USC Due Here

Two professors from the University of Southern California are scheduled to visit the Naval Weapons Center on Thursday, Sept. 13, to counsel students who are now enrolled in the USC Graduate Program in Engineering.

The two men due here are Nasser Nahl, whose field is electrical engineering, and C. Roger Freberg, a mechanical engineering instructor.

An appointment for a counseling session with either instructor can be made by calling the NWC Education Office, ext. 2641, no later than Monday, Sept. 10.

As Precaution, Information On Letter Bombs Published

On Monday, Aug. 27, a letter bomb exploded in the British Embassy, Washington, D.C., blowing off the hand of a secretary to the military attache.

The letter bomb had been flown to Washington aboard a Royal Air Force aircraft and mailed from Britain.

Information on the size, content and possible configurations of letter bombs was released earlier this week by the U.S. Navy for maximum dissemination to all military and civilian personnel, and their dependents.

These bombs are standard in size, and are housed in light blue or white airmail envelopes with striped red and dark blue borders, or in standard size regular mail envelopes. It has been determined that they are stiffer than a normal letter and of greater thickness. Addresses have been handwritten in blue ink or typewritten directly on the envelope, or on a 1 3/4 x 3 3/4 in. white label with a red border. The contents of the envelope may be of different configurations, but to date, the contents as felt from the outside of the envelope, have been described as (1) over-sized tea bags, or (2) something rigid, flat and thin, like several playing cards.

Later information received from the contractor (Rockwell). There were 11 test firing in all covering the missile demonstration phase, the Navy's technical evaluation phase (handled by personnel from the Naval Air Missile Center at Point Mugu) and the developmental assistance phase, which involved both Air Test and Evaluation Squadron Five (VX-5) and Air Force personnel.

Bombardier-navigators LCdr. Peter A. Rice, of NWC; Lt. Col. Norm Stanley, USAF, and LCdr. Ken Jones, of VX-5, each launched and successfully guided one or more Condor missiles in the test program.

Turning to the vision obscurement, he stated that the driver must have unobstructed vision to front and sides — and interference with the rear vision requires installation of appropriate side mirrors. Too often — particularly on small foreign and compact cars — bicycles are mounted in such a way that they interrupt the line of sight of the driver, the CHP officer pointed out.

Tips on Transportation Of Bikes Given by CHP Officer

"A new generation of safety problems has been created by bicyclists who transport their two-wheelers on motor vehicles," declared Lt. Leonard R. Kahl, commander of the California Highway Patrol's Mojave Area recently.

In particular, Lt. Kahl pointed out four hazards caused by improper exterior mounting of bicycles on automobiles. These are obscurement of lights, interference with driver vision, bicycles falling from moving vehicles, and excessive projection to the sides of the carriers.



EXPERT ASSISTANCE SOUGHT — Officials involved in the investigation of fires followed by explosions of ordnance-carrying railroad boxcars that occurred earlier this year at Benson, Ariz., and at Roseville, Calif., paid a one-day visit last week to the Naval Weapons Center to consult with experts in both the Propulsion Development Department and the Research Department. The visitors were (right to left) Capt. Mark Lechleifer, Inspector General of the Ordnance Systems Command; Dr. Ludwig Benner, head of the National Transportation Safety Board's Surface Transportation Safety Division, and Harvey Hardin, chief claims adjuster for the Southern Pacific Transportation Co.

describing the letter bombs including the following:

They may be sent in a standard 5x7 air mail or plain letter envelope. Usually, the name of the addressee is handwritten and a common characteristic noted is that each line of the address has been indented from the line above it. In addition, there have been no return addresses on such envelopes.

The minimum thickness of any envelopes containing letter bombs has been a half-inch, and, as of mid-week, all such mailings have been dispatched from the London area in Great Britain.

Explosive contents of the envelopes have been described as tightly wrapped in cardboard or stiff paper and designed to detonate when pressure is removed from a coiled spring folded inside the inner wrappings of the envelope.

These bombs are usually addressed to high level government officials.

If employees should encounter any envelope resembling the foregoing description they are to avoid handling, evacuate the immediate area and notify the EOD (Explosive Ordnance Disposal) team by calling NWC ext. 3611.

"The law requires that lights and reflectors be visible, not only to the front and rear, but at a 45 deg. angle to the left or right on the respective sides," Lt. Kahl pointed out.

Poor, or improper mounting has resulted in bicycles falling into the roads from moving vehicles, often causing a traffic hazard. "Not to mention a destroyed bike," Lt. Kahl said.

Bicycles, when mounted on a passenger vehicle, may not extend beyond the left fender line, or more than six inches beyond the right fender line, according to the law. "A projecting bike stands an excellent chance of being cut in half by a passing vehicle, and in some cases involves the motor vehicle in an accident," the CHP officer commented.

Lt. Kahl also pointed out that a front or rear-mounted bicycle can obscure the license plate, which is a violation.

The next regular monthly meeting of the Indian Wells Valley Metal Trades Council will be held next Wednesday, Sept. 5, starting at 7:30 p.m. at 65-B Halsey Avd., China Lake.

Metal Trades Council

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

Navywide Shortage of Doctors Felt at Dispensary

A Navywide shortage of doctors is now being felt at the Naval Weapons Center Dispensary, where there has been a one-third reduction in the number of doctors available to handle the same number of patients.

Transfers or retirements in recent months have cut two doctors from the Dispensary medical staff, leaving just four physicians to handle the bulk of the load. Because of the difficulties this has caused, Dr. Wayland Bennett, the senior medical officer, also is seeing sick call patients one day each week, and Dr. Gary Gibbons, flight surgeon assigned to the Naval Air Facility, is lending a hand whenever possible.

No Relief in Sight

According to LCdr. J. J. Mason, head of the Administrative Services Division at the Dispensary, there is no relief in sight until next January at the earliest, but even that isn't absolutely certain at this time.

The shortage of doctors has produced a situation in which those calling in for appointments have found that instead of being able to see a doctor within two or three days, as was customary in the past, there is now a delay of two or three weeks.

In addition, fewer patients can now be seen by appointment in a month's time. In the past, doctor appointments with patients made up 45 percent of each month's business at the Dispensary, but a check of the files has shown that during July, 385 appointments were handled by three doctors out of a total patient load for the month of 1,060.

Daily Chore

Since one of the Dispensary staff's four doctors each day must be available to assist walk-in patients who report for sick call, only three others can see those who call in for appointments.

This problem is further com-

plicated by the fact that among the doctors assigned to the Dispensary, there is just one general medical officer (Lt. Richard Swanson), and he ends up seeing around 80 per cent of the patients who call in for appointments. This happens because of the remaining three doctors, two (LCdr. Lonnie Graves and Lt. James Felton) are trained as obstetricians and gynecologists, while the third, Dr. Richard Whitfield, is a pediatrician.

Reason for Delays

Taking care of sick call is rotated between the four doctors currently on the NWC Dispensary staff, who are unable to see any patients by appointment on the day that their turn rolls around. This contributes to what is now the lengthy delay between the time a patient requests and receives an appointment to see a doctor. As a consequence, more of those desiring medical attention are showing up for the daily sick call.

Due to the longer sick call list each day, patients find they must wait an average of 30 to 45 min. to see a doctor, instead of 10 to 15 min. as was the case when more doctors were assigned to the Dispensary. In addition, this situation limits the amount of time doctors can spend with each patient.

Types of Service Limited

The doctor shortage here also has limited the type of services that can be offered at the NWC Dispensary. Speciality clinics are being provided in Obstetrics and Gynecology, and plans call for continuing to hold a Pediatrics Clinic as long as there is a trained pediatrician available (which is expected to be for at least another year).

A clinic for general surgical patients is no longer being conducted at the NWC Dispensary, since the present staff does not include a surgeon. Elective surgery patients are therefore



NOT UNUSUAL SIGHT — A lobby and adjoining hallways overflowing with patients waiting to see a doctor is a common occurrence these days at the Naval Weapons Center Dispensary. The delays now encountered in obtaining routine medical assistance are the result of a reduction in the number of Navy doctors who are available to see patients. —Photo by PH3 Jerry Sizemore

being referred to civilian hospitals nearby or to the Balboa Naval Hospital in San Diego.

Talking about the Navywide shortage of doctors, Dr. Bennett, who heads the NWC Medical Department, and LCdr. Mason, in charge of administration at the Dispensary, agree that it's due to the fact that doctors can no longer be drafted into the military service.

Some Still in School

Before the draft was ended, however, some medical students signed up with the Navy in return for financial support covering their final year of medical school. Such doctors are required to put in two years of military duty after being graduated from medical school and completing a year's internship.

This limited pool of potential medical officers for the Navy is still to be tapped, but it will be the last such group, Dr. Bennett noted. These officers will be graduated a year from next June, it was added, and it is not to be expected that any doctors will be available from Armed Forces medical schools for at least another four years.

All persons who are authorized

the use of military medical facilities (except active duty military personnel) are also free to choose under the Civilian Health and Medical Program of the Uniform Services (CHAMPUS), the services of a civilian physician for outpatient treatment without the need for prior approval. This is not true, however, of inpatient care, in which case the filing of a non-availability form by dependents of active duty military personnel is required.

In view of this, Capt. Bennett suggests that more patients at the NWC Dispensary might choose the services of a local civilian physician during this period of decreased staffing at the Dispensary. Keeping the foregoing problems in mind, patients at the NWC Dispensary are asked to bear with the doctors and staff when unusually long delays occur in the handling of routine medical needs.

ASPA Prepares for Busy Year

The new program year of the China Lake chapter of the American Society for Public Administration is about to start, it was announced this week by Jeff Grossman, president.

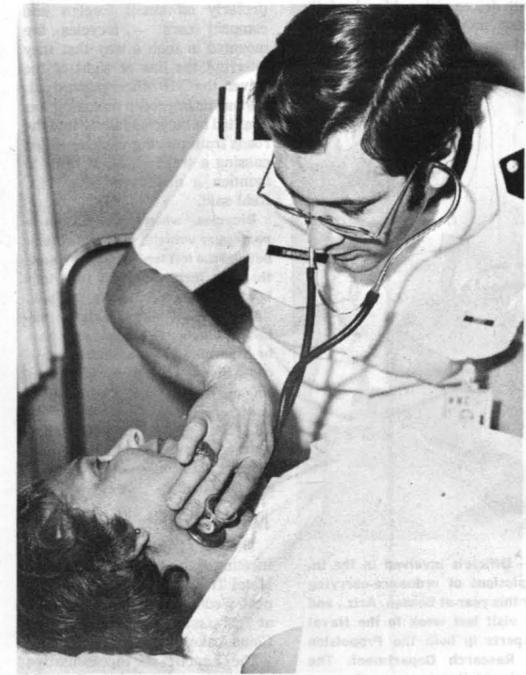
"This year, ASPA will be more active than ever by sponsoring a variety of nationally and locally important speakers, and getting involved in community issues," Grossman said.

"The China Lake chapter of ASPA also plans to make available its valuable resources of professional talent to provide analytical help to other community

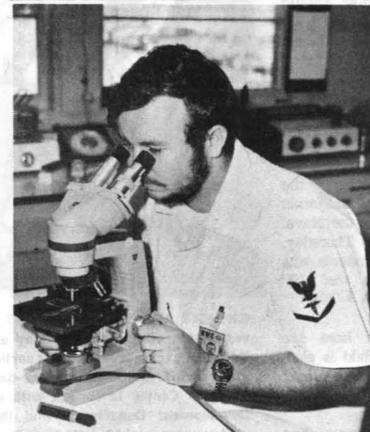
organizations," the president added.

Membership in the China Lake chapter of ASPA is not restricted to public administrators in the China Lake-Ridgecrest area, but instead is open to all persons who are interested in contemporary public policies and issues.

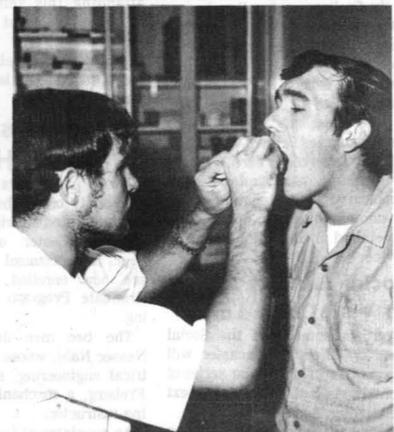
Membership dues have been set at a low figure in order to enable a larger number of persons to take advantage of ASPA's local activities. Additional information about joining ASPA can be obtained by contacting Ron Young, membership chairman.



BUSY PHYSICIAN — Lt. Richard Swanson (shown above), the only general medical officer assigned to the staff at the NWC Dispensary, now sees nearly 80 per cent of all patients who call in for an appointment with a doctor.



DAILY ROUTINE — Lab work performed by HM3 James Mooris (at left) ranges from viewing slides of urine samples to drawing blood for diagnostic work. In photo at right, a throat swab is administered by HN William Peck.



School Buses To Operate During BHS Registration

A special school bus schedule will be in operation at Burroughs High School next Tuesday and Wednesday, Sept. 4 and 5, during the time when registration for classes for the new school semester will take place.

Tuesday morning will be reserved for the registration of all 11th and 12th grade students. Students living 2 miles or more from the campus are eligible for transportation to school by buses that will follow the regular morning bus schedule (see accompanying information).

Buses will arrive in time for junior and senior class students to begin enrolling for classes at 8 a.m. and will leave at noon to return 11th and 12th graders to their homes.

The same buses that transport the junior and senior class students home at noon on Tuesday, will pick up 10th graders on their return trip to the local high school. The times that the buses will be at various bus stops, ranging from China Lake to Inyokern and Highway 14, can be determined by subtracting 2 hr., 45 min. from the regular af-

ternoon bus schedule delivery time.

After being registered Tuesday afternoon for their new classes, 10th grade bus passengers will leave the local high school campus for home starting at 3 p.m.

Burroughs High students in grades 9 through 12 living in Randsburg, Johannesburg and Red Mountain also will be registered on Tuesday morning. The bus bringing them to Burroughs from the Rand District will follow its regular morning schedule and will leave school to return the students to their homes at 10 a.m.

All ninth graders, other than those living in the Rand District, will be registered for their fall semester classes next Wednesday, Sept. 5. The regular morning bus schedule will be followed, with buses arriving at 8 a.m. and leaving the campus at 11 a.m. on Sept. 5 to return ninth graders to their homes.

The first regular schedule day of the new school year at Burroughs High will be next Thursday, Sept. 6.

Burroughs High School Bus Schedule Set for 1973-74

An extensive schedule of bus service has been drawn up for use in providing transportation to students living within the Burroughs High School attendance area whose homes are more than two miles from the local high school campus.

Because the registration for fall semester classes will be in progress during the first two days of the new school year (next Tuesday and Wednesday, Sept. 4 and 5) the first day that the regular bus schedules, which follow, will be in effect is Thursday, Sept. 6.

CHINA LAKE ROUTE

1st a.m. Trip, Bus No. 2, driven by Bill Teate: Leaves school at 6:57 a.m. with stops at Blandy and Essex, 7:07 a.m.; Leyte and Nimitz, 7:09 a.m.; Nimitz and Wasp Rd., 7:12 a.m.; Nimitz and Dobb Rd., 7:15 a.m.; arriving at Burroughs at 7:25 a.m.

2nd a.m. Trip, Bus No. 2: Leaves school at 7:27 a.m. with stops at Kearsarge and Leyte, 7:37 a.m.; Kearsarge and Kelly, 7:39 a.m.; Kearsarge and Blue Ridge, 7:41 a.m.; Blue Ridge and Lexington, 7:43 a.m.; Lexington and Enterprise, 7:45 a.m.; arriving at Burroughs at 7:55 a.m.

1st p.m. Trip, Bus No. 2: Leaves school at 2:45 p.m. with stops at Blandy and Essex, 2:55 p.m.; Leyte and Nimitz, 2:57 p.m.; Nimitz and Wasp Rd., 3 p.m.; Nimitz and Dobb Rd., 3:03 p.m.; arriving back at Burroughs at 3:13 p.m.

2nd p.m. Trip, Bus No. 2: Leaves school at 3:15 p.m. with stops at Kearsarge and Leyte, 3:25 p.m.; Kearsarge and Kelly, 3:27 p.m.; Kearsarge and Blue Ridge, 3:29 p.m.; Blue Ridge and Lexington, 3:31 p.m.; Lexington and Enterprise, 3:33 p.m.; returning to Burroughs at 4:43 p.m.

RAND DIST. & SO. RIDGECREST ROUTE
Bus No. 40, driven by Bill Edgin: Leaves Johannesburg at 6:40 a.m. with stops at Chevron Station in Red Mt., 6:45 a.m.; Johannesburg, 6:50 a.m.; Randsburg Post Office, 6:55 a.m.; S. Randsburg Blvd. and Gates, 7:20 a.m.; Franklin and Farragut, 7:25 a.m.; Dolphin and Mahan, 7:28 a.m.; S. China Lake Blvd. and Saratoga, 7:35 a.m.; Bowman Rd. and Forrest Knoll, 7:37 a.m.; Gateway and East Coral, 7:39 a.m.; Gateway and Saratoga, 7:41 a.m.; Bowman Rd. and County Line Rd., 7:45 a.m.; County Line Rd. and Thunderbird Ranch, 7:47 a.m.; Richmond Rd. and California Blvd., 7:50 a.m.; California and Broadway, 7:51 a.m.; arriving at Burroughs High at 7:55 a.m.

RIDGECREST ROUTE

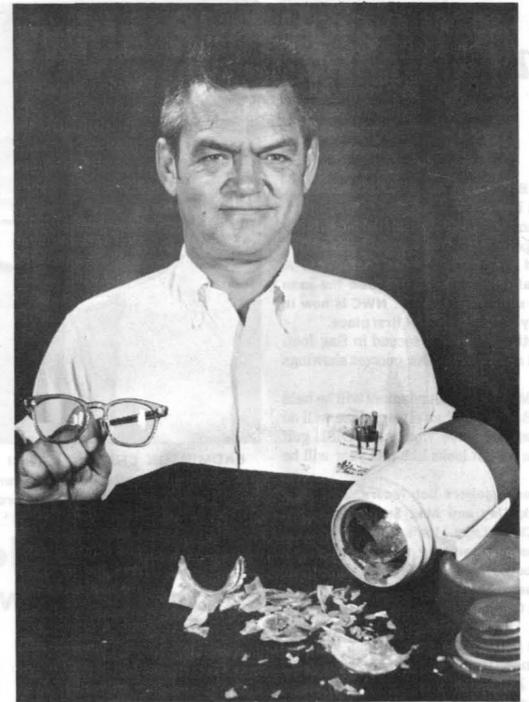
Bus No. 1, driven by Don Heleman: Leaves school at 7 a.m. with stops at Reeves and Moose Lodge, 7:06 a.m.; Atkins and Norma, 7:08 a.m.; Jensen and Bennett, 7:09 a.m.; Inyokern Rd. and El Rancho Trailer Court, 7:13 a.m.; Inyokern Rd. and Jack Ranch Rd., 7:22 a.m.; Jack Ranch Rd. and Trailer Court, 7:25 a.m.; Jack Ranch Rd. and Ridgcrest Blvd., 7:28 a.m.; Kern St. and Las Flores, 7:33 a.m.; Las Flores and Downs, 7:34 a.m.; Sierra View and Felspar, 7:36 a.m.; Felspar and Peg, 7:38 a.m.; Sunset and Upjohn, 7:43 a.m.; Downs and Langley, 7:45 a.m.; Downs and Midway, 7:46 a.m.; Bowman and Sunset, 7:48 a.m.; arriving at Burroughs at 7:55 a.m.

Bus No. 1, afternoon run: Leaves school at 2:45 p.m. with stops at Reeves and Moose Lodge, 2:51 p.m.; Atkins and Norma, 2:53 p.m.; Jensen and Bennett, 2:55 p.m.; Inyokern Rd. and El Rancho Trailer Court, 2:59 p.m.; Inyokern Rd. and Jack Ranch Rd., 3:08 p.m.; Jack Ranch Rd. and Trailer Court, 3:11 p.m.; Jack Ranch Rd. and Ridgcrest Blvd., 3:14 p.m.; Kern St. and Las Flores, 3:19 p.m.; Las Flores and Downs, 3:20 p.m.; Sierra View and Felspar, 3:22 p.m.; Felspar and Peg, 3:24 p.m.; Sunset and Upjohn, 3:29 p.m.; Downs and Langley, 3:31 p.m.; Downs and Midway, 3:32 p.m.; Bowman and Sunset, 3:34 p.m.; returning to Burroughs at 3:43 p.m.

INYO KERN ROUTE

Bus No. 26, driven by Dennis Robertson: Leaves Inyokern at 6:55 a.m. with stops at Hwy. 178 and Stallings Place, 6:58 a.m.; Hwy. 14 and Homestead, 7:04 a.m.; Hwy. 14 and Hwy. 395, 7:07 a.m.; Hwy. 395 and Mosley Place, 7:09 a.m.; Brown Rd. and Hayes Place, 7:20 a.m.; Brown Rd. and Arsenal Place, 7:21 a.m.; Brown Rd. and Smith Place, 7:23 a.m.; Brown Rd. and Moore Place, 7:24 a.m.; Brown Rd. and Olson Place, 7:26 a.m.; Brown Rd. and Lettler Rd., 7:28 a.m.; Brown Rd. and Lewis Place, 7:29 a.m.; Brown Rd. and Keene Place, 7:30 a.m.; Brown Rd. and Burro Ave., 7:31 a.m.; Brown Rd. and Overpass, 7:33 a.m.; Inyokern by Telephone office, 7:35 a.m.; Inyokern Rd. and Hwy. 395, 7:37 a.m.; Inyokern Rd. and Jacob Place, 7:39 a.m.; Inyokern Rd. and China Lake Acres, 7:41 a.m.; Inyokern Rd. and Elm Lane, 7:43 a.m.; Continuation School, 7:52 a.m.; arriving at Burroughs High at 7:55 a.m.

Bus No. 26, afternoon run: Leaves school at 2:45 p.m. with stops at Continuation School, 2:48 p.m.; Inyokern Rd. and Elm Lane, 2:57 p.m.; Inyokern Rd. and China Lake Acres, 2:59 p.m.; Inyokern Rd. and Jacob Place, 3:01 p.m.; Inyokern Rd. and Hwy. 395, 3:03 p.m.; Inyokern by Telephone office, 3:05 p.m.; Brown Rd. and Overpass, 3:07 p.m.; Brown Rd. and Burro Ave., 3:09 p.m.; Brown Rd. and Keene Place, 3:10 p.m.; Brown Rd. and Lewis Place, 3:11 p.m.; Brown Rd. and Lettler Rd., 3:12 p.m.; Brown Rd. and Olson Place, 3:13 p.m.; Brown Rd. and Moore Place, 3:16 p.m.; Brown Rd. and Smith Place, 3:17 p.m.; Brown Rd. and Arsenal Place, 3:19 p.m.; Brown Rd. and Hayes Place, 3:20 p.m.; Hwy. 395 and Mosley Place, 3:31 p.m.; Hwy. 14 and Hwy. 395, 3:33 p.m.; Hwy. 14 and Homestead, 3:37 p.m.; Hwy. 178 and Stallings Place, 3:43 p.m.; returning to Inyokern at 3:45 p.m.



EYES PROTECTED BY SAFETY GLASSES — Donald Neil, an employee of the Instrumentation Development Branch in the Test and Evaluation Department's Test Support Division, was scraping the last bit of stew out of his six-year-old thermos bottle recently, when the vacuum tube imploded, spraying his face with hundreds of tiny slivers of glass. Fortunately Neil, who will receive a "Wise Owl Award," was wearing his safety glasses, thereby protecting his eyes. Safety experts are unsure if the tube shattered due to its age or due to the vibrations caused by the scraping, but looking into a vacuum bottle while scraping it is now deemed to be a dangerous practice. Wearing safety glasses saved Neil's eyes — they could save yours.

Safety Dept. Reminds Motorists To Watch Out for School Children

Classes for the new school year were resumed yesterday at schools of the China Lake Elementary School District. Taking note of this fact, the NWC Safety Department issued the following reminder to motorists as well as to parents.

Be alert to the possibility of danger to a child whenever a child is close to the street. Children do the unexpected — so SLOW DOWN. Stop long enough at stop signs for the timid child to get across the street.

Talk with your child about the best route from home to school. (Walk the route together.) Find the best intersection for crossing. Explain what traffic signs mean.

Deadline Near To Apply For NWC Fellowships

Applications are now being accepted for NWC Fellowships and NWC Fellowship extensions for the coming winter and spring quarter, or for the spring semester.

Such applications, which must have prior department approval, must be received at department offices no later than Sept. 15 and then forwarded to the NWC Director of Education, Code 6009, by Oct. 1.

Additional information can be obtained by contacting the Education Office, phone ext. 2641.



Nominations For Laser Seminar Now Being Taken

Nominations are now being taken for enrollment in a week-long seminar on high energy lasers and their applications that is to be held during the week of Sept. 24 to 28 in the Mojave Room of the Commissioned Officers' Mess.

This seminar, which is to be coordinated by the University of Tennessee Space Institute, is designed for persons who are interested in the present and future applications of high power lasers.

NWC will be the host activity for the seminar, and has been allocated 20 of the 60 spaces in the class. Other participants will be from private industry and other government agencies.

Nominations of NWC employees to attend the seminar on high energy lasers must be submitted on NWC Enrollment Form 12410/28 via department channels in time to reach Code 654 no later than Sept. 10.

Reservations Needed At Child Care Center

Because of the number of regular patrons being cared for each day at the ESB Child Care Center, reservations must now be made in advance by parents who wish to make temporary drop-in arrangements for their youngsters to be left at the Center.

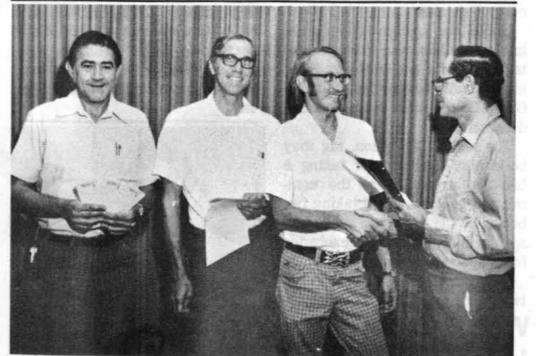
Such reservations can be made by calling 446-2961. Hours of operation at the Child Care Center are Monday through Friday from 7 a.m. to 5 p.m.

Registration Open In Child Care Class

Registration is now being taken for a 6-week-long mother and child care class that is to be conducted by the Red Cross.

Persons interested in attending this class for prospective mothers and fathers are urged to call the Red Cross office, phone NWC ext. 3208, on Monday, Wednesday or Friday between the hours of noon and 2 p.m.

The class will be scheduled on the evening that is most convenient for a majority of the enrollees.



PATENT AWARDS PRESENTED — Dr. Russell Reed, Jr. (at right), head of the Propulsion Development Department's Applied Research and Processing Division, officiated recently at an awards ceremony during which patents were presented to three employees (l.-r.) Richard A. Breitengross, Dr. C. Douglas Lind and James Diebold. Breitengross and Dr. Howard W. Kruse (not in photo) received patents for three inventions which relate to the destruction, on command, of classified electronic circuitry which may be in immediate danger of falling into enemy hands. Dr. Lind was presented an achievement award for a patent on the improved FAE fuel. Others who shared in this work were Charles Falterman, James Bowen, Larry Josephson and Alvin Gordon (not present for photo). Diebold also was the recipient of a special achievement award for his patent on "encapsulation of an extremely reactive oxidizer by a chemical reaction."