

COM Slates Theater In the Round For April Dinner Shows

"Lovers and Other Strangers," the show that was such a hit at the Commissioned Officers' Mess last year, is being returned by popular demand.

The play will be presented by the China Lake Players on April 19 and 20, and again on April 26 and 27 at the COM. The play and buffet is priced modestly at \$5.25 per person. The buffet will include hanging beef, crab and scallop Newberg, barbecue ham, onion casserole and assorted vegetables and salads.

Club manager Drake Dierkhising asks that all reservations be made as early as possible. The number to call is 446-2549.

Wednesday Dances

Dierkhising also announced that the "Good Times Music Band" will play every Wednesday during the month of April, from 8:30 p.m. to midnight. In addition, the band, which features Ronnie and Patti Thompson as vocalists, will play tonight for a dance beginning at 9 o'clock.

Easter Sunday Brunch

An Easter Sunday Brunch will be held at the COM from 9:30 a.m. to 1 p.m. on Easter. Featured will be such items as eggs Benedict, scrambled eggs, choice of bacon, ham, or sausage, and hash brown potatoes. Pancakes may also be ordered.

Price of the brunch is \$2.75 for adults and \$1.50 for children under the age of 10. Reservations may be made by calling NWC ext. 3105, or 446-2549.

Kite Flying Contest Set

By Youth Center April 12

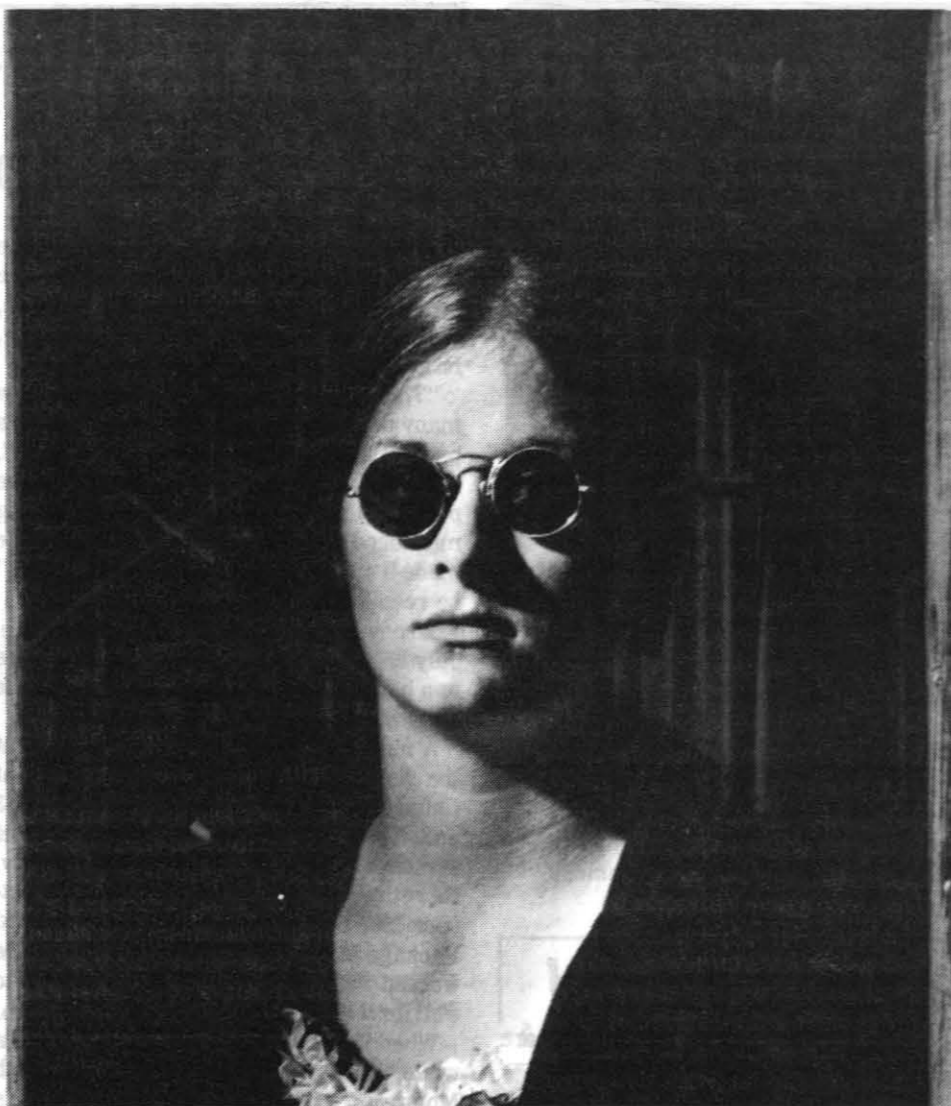
"Go fly a kite!"

Benjamin Franklin, perhaps the most famous kite flyer of all time, who practiced this ancient pastime (attributed to the Chinese), would probably heed those words next Friday, April 12, when the China Lake Youth Center holds a kite flying contest at Mirror Lake.

Awards will be given for the largest, smallest and most unusual kites that are kept airborne for a specified amount of time. Contestants will also receive awards for the highest flight and for the best display of kite aerobatics.

Youngsters will be placed in different divisions for the contest, and may use either kites made at home, or commercially-manufactured kites.

Persons desiring further information may call Carol Hape at Ext. 2909 or 2259.



TO END TOMORROW NIGHT — "The Miracle Worker" will be presented for the final two times tonight and tomorrow night at the Burroughs Lecture Center by the Community Light Opera and Theater Association. Tickets are priced at \$2.50 for general admission and \$1.25 for military personnel and children. They are available at the box office prior to performance times. "The Miracle Worker" is the heartwarming story of the deaf-blind mute Helen Keller and her teacher, Annie Sullivan, portrayed by Cathy Carter (above). Helen Keller is played by Elena Vitale. The show is directed by Gail Falkenberg.

Circus Is Coming to Valley

One of the Easter Week vacation treats for school kids, as well as adults of the Indian Wells Valley, will be two performances next Wednesday, April 10, by the DeWayne Brothers Circus.

The circus visit, an annual event arranged by the Ridgecrest Volunteer Fire Department, calls for shows at 4:30 and again at 8:30 p.m. at the Desert Empire Fairgrounds. Tickets, priced at \$1 for youngsters up to 12 years of age, and \$2.50 each for all others, can be purchased at the Ridgecrest City Hall, at the Kern County fire station in Ridgecrest, and also from

many local business places. Trained animals, clowns, trapeze and trampoline artists—all are a part of the circus being brought here by Ted DeWayne, who, in days past, headed one of the greatest acrobatic troupes ever to perform.

It was his ambition, however, to someday have a circus of his own, and he has now realized that goal. After starting with only a few animals, trucks and equipment, he has been able to add more variety each year until now his is one of the largest tented circuses touring America today.

Although he supervises every aspect of the circus, Ted DeWayne is still continuing to perform with his well-known acrobatic troupe and will do so during their appearance here next Wednesday.

Nominations Being Taken for Career Expansion Course

Nominations are now being taken for a career expansion workshop that is to be held for 2½ hours on the morning of Friday, April 26, and throughout the day on Tuesday, Wednesday and Thursday, May 21-23.

Intended for employees in administrative and technical profession positions, the workshop will be presented by Al Hard, of Central Staff, and Clara Erickson, Naomi Mulhern and Lynn Lacey, all from the Personnel Department.

The workshop, which is limited to 15 participants, is intended to help individuals better understand their motivations, interests and behavior, as well as gain a better understanding of their strengths.

By this increased self-knowledge and through analysis of their current situations, it is foreseen that the workshop participants will have the opportunity to expand their careers, or to develop multiple careers.

Employees interested in enrolling in this career expansion workshop should submit a copy of NWC Enrollment Form 12410 / 28 via department channels in order to reach Code 654 no later than Monday, April 15.

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. 5 April

"THE WAY WE WERE"

(110 Min.—Released Oct. 73)
Barbra Streisand, Robert Redford
(Love Story) This is the story of a romance between a Jewish girl and a WASP. She's a born rebel, a member of the Young Communist Party in the 30s and an ardent admirer and defender of President Roosevelt. He's a writer who is lukewarm about her political causes, more an establishment man at heart. In spite of these basic differences, they fall in love and marry. But it's a union that is not to endure, and they face their incompatibility and go their separate ways just after the birth of a baby girl. (PG)

SAT. 6 April

FAMILY MATINEE

"MERRILL'S MARAUDERS" (98 Min.)

Jeff Chandler, Ty Hardin (G)

Evening

"THE DEADLY TRACKERS" (106 Min.—Released Nov. 73)

Richard Harris, Rod Taylor

(Western) Richard Harris plays a reasonable sheriff whose wife and young son are brutally murdered during a bank robbery. Harris responds by trading in his non-violent principles for bloody revenge and pursues villains Rod Taylor and Neville Brand into Mexico. Suffice it to say that Harris withstands almost every conceivable form of physical abuse, even temporary blindness, during his singlehanded mission. He succeeds, but it's a hollow victory that costs him his life. (PG)

SUN. & MON. 7-8 April

"THE ALL AMERICAN BOY"

(119 Min.—Released Nov. 73)

Jon Voight, E. J. Peaker

(Drama) The manly art in six rounds is the story of boxer Jon Voight. He has an affair with E. J. Peaker. Called Bomber by his family, Voight yearns for the big time and a sense of freedom. Gym manager Ned Glass takes him in to handle his career, but Voight leaves when Peaker tells him she's pregnant. He then operates a gas station, where he has an interlude with black customer Rosalind Cash. After telling Peaker to get an abortion, he wins a big fight under brother-in-law Bob Hastings' management. (R)

TUES. & WED. 9-10 April

"THE DON IS DEAD"

(114 Min.—Released Nov. 73)

Anthony Quinn, Frederick Forrest

(Action Drama) The story is an overly complicated explication of the months following the death of Don Paolo Regabutto, the head of one of the more powerful crime families in a city where Mafia flourish. A sleazy character named Orlando, egged on by his wife, decides to play the families against each other to gain personal control of the city. (R)

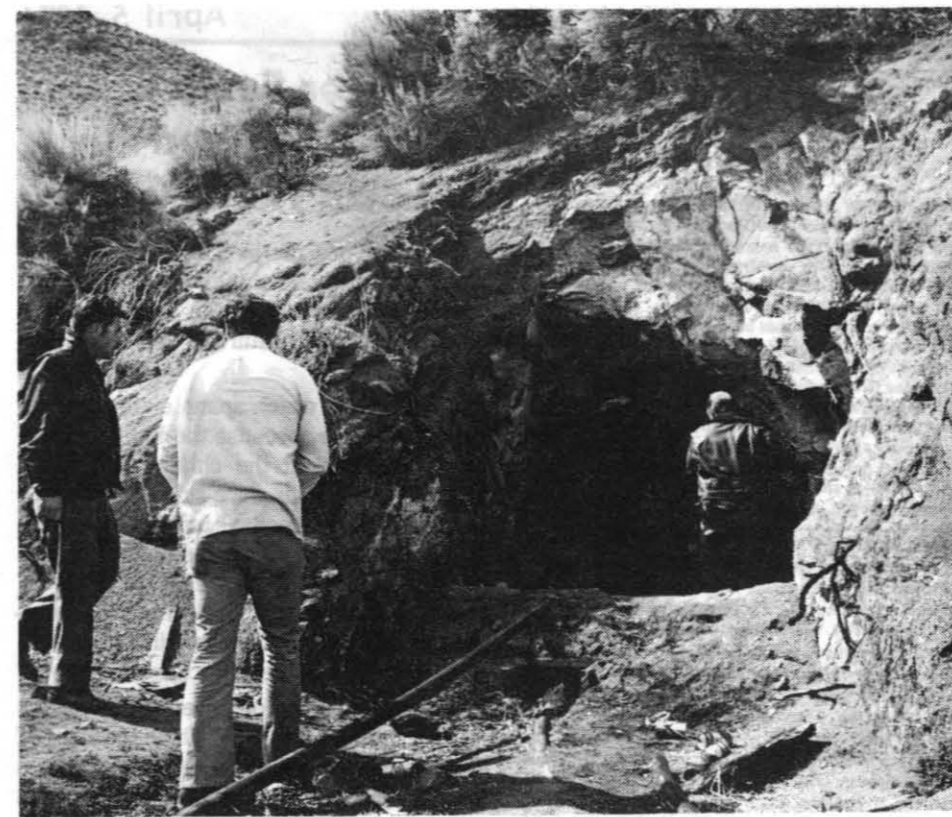
THURS. & FRI. 11-12 April

"THE STING" (129 Min.—Released Dec. 73)

Paul Newman, Robert Redford

(Comedy) In six acts, an old con game is played. Robert Shaw, banker and racketeer, runs a numbers empire in Illinois in 1936. A Joliet runner, James J. Stoyan, is victimized by con artists Robert Redford, Robert Earl Jones and Jack Kehoe. When Jones is killed, Redford swears revenge. He contacts Jones' friend Paul Newman, a master con man now down on his luck. With backing from Harold Gould, John Heffernan and girl friend Eileen Brennan, Newman puts a plan into operation. Gould is set up as a Western Union executive with first-hand information on the outcome of horse races and Shaw starts betting as Redford's partner. The last act involves Shaw's placing \$500,000 on a false tip and FBI agent Dana Elcar being in on the showdown. (PG)

From _____ PLACE STAMP HERE
TO _____



POTENTIAL DANGER SITE — A number of the old mines that abound in the surrounding desert and mountain country were checked last week in parts of Inyo County. Object of the searches, that were joined in by three men from NWC's Explosives and Ordnance Disposal Detachment, was to find and remove caches of dynamite and blasting caps. Looking on at left as a search party member prepares to enter an old mine shaft are Lt. John Sedlak, O-in-C of EOD Detachment 67 from China Lake, and Richard Cook, (back to camera), a special agent of the U. S. Treasury Department's Alcohol, Tobacco and Firearms Bureau.

nwc rocketeer
Naval Weapons Center
China Lake
California

EOD Personnel Take Part In Search for Old Dynamite

Three members of the Naval Weapons Center's Explosives and Ordnance Disposal Detachment traveled to the Lone Pine, Independence and Bishop areas last week, where they spent three days assisting in searches for and destruction of dangerous, abandoned explosives that have been left in or near many old mine shafts.

A campaign to urge citizens to report the location of known cache's of potentially hazardous explosives was launched earlier by Richard Cook, a special agent of the U.S. Treasury Department's Alcohol, Tobacco and Firearms Bureau, who worked closely on this project with Floyd O. Barton, sheriff of Inyo County, and his deputies.

Lt. John Sedlak, officer-in-charge of EOD Detachment 67 from China Lake, led the local detail, and was joined by Chief Petty Officer Paul Osborne and Petty Officer 1st Class William Fellingham.

Chemically Treated, Then Burned

Old explosives that were found were first treated chemically and then burned to destroy them—not detonated.

The Inyo County area is known to have many mines that have been abandoned over the years, some of which still contain old, very unstable dynamite and explosives.

Not only are local inhabitants unaware, but many tourists also do not realize that dynamite, when it ages, weeps out nitroglycerine "whiskers," and if disturbed, jarred, or dropped could easily detonate with disastrous results to human life and surrounding property.

Reason for Concern

Authorities became quite concerned over this matter recently when it became known that some young motorcyclists had picked up a dozen or more sticks of old dynamite from an abandoned mine located about 10 miles from Independence. This dynamite was in such badly deteriorated condition that only the fact it was frozen may have kept it from detonating while being handled or transported by the motorcyclists, Lt. Sedlak said.

While this first effort to locate and get rid of dangerous, old explosives was conducted in Inyo County, plans also call for a similar effort to be made in Kern County. The Bureau of Land Management has estimated that there are "probably several thousand" mines, both abandoned and active in eastern Kern County.

Anyone voluntarily coming forward and reporting known or suspected caches of explosives will be commended for their cooperation, Special Agent Cook of the ATF Bureau noted. Conversely, Cook said, if it is discovered that anyone is willfully or illegally storing dynamite or explosive material, they could be subject to fines, imprisonment or both.

The law requires that all explosive storage facilities be opened and inspected

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April 5, 1974

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Visitor Is Here From Korea For Special Training

Dr. H. H. Choe (pronounced Chey), a former assistant professor of electrical engineering at the Korean Naval Academy at ChinHae, located on the southern coast of the Republic of Korea, is now at the Naval Weapons Center for a six-month assignment. He is being sponsored during his stay here by the Systems Development Department.

At the present time, Dr. Choe, who also holds the military rank of commander, is undergoing a familiarization and training program on the Sidewinder AIM-9B missile system. He works for the Agency for Defense Development in Seoul, Korea.

Dr. Choe arrived here nearly a month ago and is working closely on this phase of his training with Jim Foust, head of the Infrared Seeker Assembly Test and Technology Section in the Systems Development Department's IR and Optics Division.

Previous Training in U.S.

No novice at travel, study and training in foreign nations, Dr. Choe previously was sent to San Diego in 1959 for six months of training in fire control systems. That was just two years following his graduation with a bachelor's degree from the Korean Naval Academy.

Subsequent to that, he again returned to the U. S. for 2½ years of study at the U. S. Naval Postgraduate School in Monterey, Calif., where he earned a master's degree in electrical engineering in 1964.

For the following three years he was on the faculty of the Korean Naval Academy, and it was during this time that he met and married his wife, Kay. The couple now has a daughter, Mina, 9 years old, and a son, John, 4, who was born in Canada during the time Cdr. Choe was working toward a Ph.D. in control systems engineering at the University of Saskatchewan. Dr. Choe spent a total of 4 years in Canada.

His presence now at China Lake is

(Continued on Page 3)

LORAN-D Station, Highly Accurate Aid To Navigation, Operated Here by USAF Team

Pilots who fly airplanes equipped with LORAN-D receivers in the area stretching from Little Mt., Utah, to Palmdale, Calif., can get an accurate "fix" on the aircraft's location to within 50 ft., provided the monitor station at China Lake is on the ball. LORAN-D and LORAN-C is a hyperbolic,

low frequency (100 KHz), pulsed radio navigation system, in use throughout the world. The Department of Defense has utilized the system as a prime navigational aid for the past 15 years.

At China Lake, 12 U.S. Air Force men are located in trailers at Sandquist Spa, where they operate a monitor station 24 hours a day, seven days a week. Totally mobile, the station can be packed up and on its way to a new location within a matter of hours. The entire network of master station, monitor station and slave stations can be moved and set up anywhere in the world within a week. The LORAN-D network in operation

locally consists of a master station at Glendale, Nev., the China Lake monitoring station, and three slave stations. The slave stations are at Palmdale, Calif. ("A"), Middlegate, Nev. ("B"), and Little Mt., Utah ("C"). The China Lake station monitors the signals and controls the time of emissions of all the transmitters in the operating area.

How It's Used

LORAN-D receivers measure the slight difference in time that it takes for electronic signals to travel from two transmitters. The time difference, measured in microseconds,

(Continued on Page 5)

Back Pay Due To Wage Hike Delay In 1972 Awaited

Nearly three million military personnel and about 1.5 million federal civilian white collar workers are expected to receive varying amounts of back pay as a result of a recent Federal Court ruling on the October 1972 federal pay raise delay.

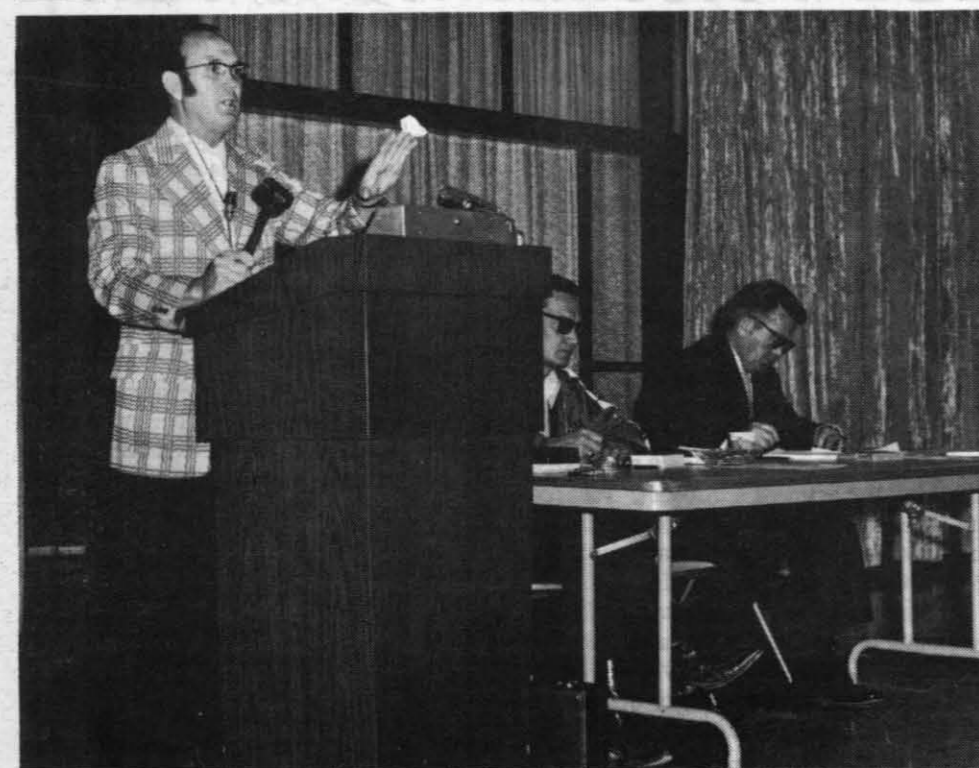
A pay hike equalling 6.69 percent of base pay for all military people, and 5.14 percent for civilian workers, was scheduled to take effect Oct. 1, 1972, however, it was delayed by Executive Order until Jan. 1, 1973.

That action was reversed this January by the U. S. Court of Appeals, and the Justice Department announced this week it has declined to appeal; therefore, the differences due for that three month period will have to be paid to those military and civilian personnel who were eligible at the time.

According to Defense Department officials, all eligible personnel are expected to receive the back pay as soon as the details of the payment schedule can be worked out. Approximately 593,000 Naval personnel and 163,000 Navy civilians would be affected.



PERFORMING MAINTENANCE — M/ Sgt. Garry W. Walker (r.), adjusts a knob while Sgt. Jimmie D. Marquiss (l.) and Sgt. Frank P. Abbott stand by to handle routine work on the monitoring equipment at the LORAN-D site at Sandquist Spa.



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 Division, 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 employee's present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Personnel Clerk, GS-203-4 or 5, PD No. 7451065, Code 5102 — This position is the liaison point between the Personnel Department and the Systems Development Department. Incumbent is responsible for processing personnel actions, incentive awards, beneficial suggestions, training requests; in addition, prepares weekly on board count, maintains department organization chart and performs special assignments as requested by department management. Job Relevant Criteria: Must be able to understand and interpret regulatory and reference material such as FPM and NWC Instructions. Must be able to deal courteously and effectively with a wide variety of individuals at various organizational levels. Minimum Qualification Requirements: GS-4-1 year of general and 1 year of specialized experience, GS-5-1 year of general 2 years of specialized.

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

Clerk-Typist, GS-322-3 or 4, PD No. 7355036, Code 5536 — This position is that of branch secretary in the Control Design Branch, Product Design Division of the Engineering Department. Incumbent provides clerical and typing duties to the branch personnel, acts as receptionist, maintains branch files, etc. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others and ability to work under pressure. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Clerk-Typist, GS-322-3 or 4, PD No. 7055017, Code 55 — This position is located in the Engineering Department WAE pool. Incumbent will operate in all areas of the Engineering Department as needed. Duties include typing, answering phones, meeting visitors, setting up and maintaining files. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others and ability to work under pressure. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Clerk-Typist, GS-322-4, PD No. 7255049, Code 5582 — Applications will be accepted from current NWC career or career-conditional employees only. This position is located in the Quality Assurance Branch, Product Assurance Division of the Engineering Department. Incumbent provides clerical and typing duties for the branch personnel, acts as receptionist, maintains branch files, etc. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others; ability to use MTST; familiarity with Center operations; ability to get along with others; and ability to work under pressure. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925.

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Passover Festival To Be Observed By Local Hebrews

Passover, one of the most beloved and significant festivals of the Jewish calendar, will be ushered in by the local Hebrew congregation on Saturday and Sunday evenings.

The festival, which spans eight days, is called Passover, because the Lord "passed over" and spared the children of Israel when the Egyptians were suffering plagues designed to win freedom for the Israelites. The Hebrew name for the festival is Pesach, derived from the "Pesach," or Paschal (spring) lamb, which, according to Biblical accounts, the Israelites sacrificed on the night before their departure from Egypt.

The Passover is observed by a festive dinner, called a Seder, at which the story of The Exodus from Egypt is re-told. Locally, a community Seder is scheduled for Sunday at 6 p.m. in the East Wing of the NWC Chapel.

The Seder ceremony will be conducted by Paul Tuchman, student rabbi. The food preparation will be under the personal direction of Rose Varga.

The significance of Passover goes much beyond the traditional foods and ceremonies. It is a festival of physical and social freedom, commemorating the liberation of a people from bondage. Furthermore, it is a festival of human freedom, celebrating the ideal of liberty, itself.

In that context, each year Jews at the Seder table rededicate themselves to work for freedom for all people at all times.

Entries Being Accepted For 12th ND Art Contest

Entries are now being accepted from military personnel who are interested in entering their works of art in the 12th Naval District Art Contest.

Military artists can make arrangements to have their art work entered in this event by contacting Art Amos at the Community Center, phone Ext. 2010. The deadline for entries is Wednesday, April 17.

Employee In The Spotlight



George L. Barnard

Sometimes, managing a big night spot like the Chief Petty Officers' Mess, can become pretty hectic. Take the night, for instance, that George Barnard, the club manager, forgot about a party for 120 persons.

"This guy called me and asked me how many people had made reservations for his party," Barney, as he likes to be called, said. "I had completely forgotten about the party, so I made a few excuses about having misplaced the list and went to work. We made it on time and it was a real good one," he recalled.

Barney has managed the CPO Club since July 1970. Prior to that time he worked there as a bartender, beginning in 1965, and as the assistant manager for about a year.

A native of Denver, Colo., Barney spent the last four years of his Naval career at China Lake. He came here in October 1963 and from 1965 to 1967 he was the Chief Master at Arms of the Naval Air Facility. He retired with 21 years of service in October 1967 and opened up the Consolidated Package Store at NWC that same month. He worked there in July 1968 and then quit to wait for the job as manager of the CPO Club.

When it looked like it was going to take a while, Barney went to work for Hildreth Motors in Ridgecrest until the manager's job opened up in July 1970.

Managed COM, Too

Barney held dual management of both the Commissioned Officers' Mess and the CPO Club from March 1 to June 1, 1973, and he assumed the additional duties of running the package store in July of last year.

A personable and well-liked man, Barney takes an interest in all of the affairs of the CPO Club. He, personally, is responsible for making up the menus and the wine lists. In addition, he plans and recruits the talent for the entertainment and is responsible for ordering the food for each event.

Barney enjoys managing the CPO Club. He feels that the success of the club lies in the longevity of many of its employees.

"Gladys Cornelius, Betty Waters, Joe Strickel, and my wife, Hazel, have all been there for 10 years," he said.

Hazel is a product of Merrie Olde England and Barney met her at China Lake. "She came over here to visit a friend, and I talked her into staying," he joked. "My job is to provide the most social benefits for the most people at the least possible cost," Barney said. "People like Hazel help me to do it," he added.

The job is getting harder. Liquor prices have increased 20 per cent and food 50 per cent in the last 10 years, yet Barney has had only three price increases at the club during that period.

The club has three different highlights during the year — the annual Military Ball, the annual Luau, and the New Year's Eve Party. For these special occasions, Barney begins planning three months in advance. The attendance at these major affairs is always 375 or more people. In addition, Barney sponsors and caters the CPO Golden Anchor Golf Tournament each year at the local club. Participants party in between rounds at the club on the Saturday night, and it's always a swinging affair.

Have Cabin in Sierras

When they want to relax, Barney and Hazel go fishing. They have a cabin at Tom's Place and fish in the Sierras. The couple also enjoys hunting, which they do in South Central Idaho. "My old hunting buddy is Henry "Red" Purcell," Barney said. Barney and his dad, Warren, did a lot of hunting and fishing in Englewood, Colo., where Barney grew up, and he never got it out of his system.

Barney has three children from a previous marriage. They are George Jr., who is a sailor attached to VF2 at Miramar NAS; Stephen, who works at the Naval Shipyard in San Diego, and Cheryl, a freshman at Burroughs High School.

Barney has served on the board of directors of the NWC Federal Credit Union for the past year as secretary. He is re-elected for another one year term this past month.

He also is a member of the International Club Managers Association and the Non-Appropriated Fund Activities Safety Council.

Body Conditioning Class

A non-credit course in body conditioning for women will be offered at Burroughs High School, starting on Monday, April 15.

Classes will be held on Mondays and Wednesdays, from 6 to 7 p.m., in the Burroughs High School gym. Registration will take place at the first class meeting.

The instructor will be Mrs. Julie Helgeson, a teacher at Burroughs High, who also has taught at Cerro Coso College.

Additional information can be obtained by calling Burroughs Evening High School at 375-4511 Mondays through Thursdays from 6 to 9 p.m.



PROMOTED TO WARRANT OFFICER — Lorna Boyd pins Warrant Officer-1 bars on the collar of her husband, former ACS Larry G. Boyd, who was promoted to his new rank in a recent ceremony. Capt. R. S. Moore (at right), Commanding Officer of NAF, signed the official papers. W1 Boyd came to China Lake in February 1970 and has served as the Air Traffic Control Division Officer here since that time. His new duties will take him to the Naval Air Station, Pensacola, Fla., where he will attend school, then return to California to Lemoore NAS. Present for the ceremony were the Boyd's two children, Lisa, 12, and Larry Jr., 14.

Paper Crunch Far From Solved

By Nancy Jones

And the crunch goes on. The gasoline crunch has seen the light, or so it would seem, but the paper crunch at NWC still exists, not a flicker in sight.

According to Capt. T. R. Hendershot, Director of the NWC Supply Department, when asked recently about the paper shortage at NWC, "We have made ourselves victims of our own progress. It's so easy for us to go to the Xerox machine and run 500 copies of anything we want. We don't even think about the consequences involved any more," he noted.

Earlier this year the ROCKETEER ran a story about the paper crisis in the government and it was learned that the paper crunch is being brought on by other shortages—chlorine for bleaching, caustic soda for pulp processing, starch to give paper stiffness, etc.

Has there been an improvement in the paper crisis? As far as the Supply Dept. can tell—no. Even though funds aren't allowing Center employees to order as much paper as before, the little things that are taken for granted are still going on. Such as:

- 1) Paper being hoarded by people, just in case its ever needed in an emergency.
- 2) People aren't using the phone as much as they could to answer questions, letters and memos are still flowing strong.
- 3) Both sides of the paper aren't being used to the fullest—typing paper for rough drafts can be used on both sides and note paper can be used the same way.
- 4) Many still continue to edit text unnecessarily. This can be done in the beginning rough draft, why make changes continually?
- 5) Pre-planning of essential work still has its hang ups.
- 6) Xerox paper isn't being used on both sides. Everyone knows that not everything Xeroxed can be done on both sides of the paper, but those few items that can be done that way can cut down on expenses for each department.

Don't think that something isn't being Film Set by Youth Center

The China Lake Youth Center will sponsor a special Easter Week matinee showing of "Rhubarb," the story of an alley cat that inherits \$30 million and a baseball team, on Wednesday, April 10, at the Center Theater. The movie will begin at 1 p.m. Admission is 30 cents for all dependents of civilian employees and active or retired military personnel, regardless of whether or not they live on the Center.

The film stars Ray Milland, Jan Sterling, Gene Lockhart and William Frawley. However, the real star of the film is the cat "Rhubarb."



ADMINISTRATIVE ASSISTANT RETIRES — On behalf of former NWC Technical Director Dr. William B. McLean and Mrs. McLean, Leroy Riggs, Acting Technical Director, presented a corsage to Nona Turner last Friday during a no-host reception on the occasion of a retirement party and 30-year Federal service pin presentation to the honoree. Mrs. Turner, who came to China Lake in 1948, worked in the past as the secretary for Dr. Fred Brown, a former NOTS Technical Director who died in 1970, as well as for Dr. McLean, when he also held that top civilian position here. More recently, she has been employed as the administrative assistant to both the Aeromechanics Division and the Weapons Systems Analysis Division in the Weapons Development Department. A Navajo necklace and bracelet were presented to her as a going-away gift that was purchased with contributions made by her co-workers and fellow employees from throughout the Center. Mrs. Turner, who had been a sergeant in the Women's Army Corps, also had some prior Civil Service work experience before coming to China Lake.

Holy Week Services Planned

Following are the hours for services during Easter Week, April 7 through 14.

PROTESTANT

Date	Service	Time
April 7	Palm Sunday	10:15 a.m.
April 11	Maundy Thursday Sacrificial Supper held in East Wing	6 p.m.
April 12	Good Friday Service	4:45 p.m.
April 14	Easter Service	10:15 a.m.

CATHOLIC

April 7	Palm Sunday	7, 8:30, 11:30 a.m.
April 11	Holy Thursday Mass & First Communion	5 p.m.
April 12	Good Friday Services	12 noon
April 13	Holy Saturday Easter Vigil & Confirmation	6 p.m.
April 14	Easter Sunday Masses	8:30, 11:30 a.m.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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NWC Commander

Leroy Riggs
Technical Director (Acting)

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DEADLINES:

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 Nav Exos P35, revised July 1968. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.



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 (Doors 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 1135

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.

UNITARIANS

CHAPEL ANNEX 95	
Sunday	Services 2000
Saturday	Sabbath School 0900

Winners Reported In Local Youth, Adult Bowling Tournament

A highly successful youth-adult bowling tournament was held this past weekend at Hall Memorial Lanes. Bowlers in the American Junior Bowling Congress shot four games with adult partners and trophies were won by a number of youngsters.

Winners of the Little Giant Division were Zack Zurn and his adult partner, Keith Morgan. The pair rolled a score of 812 (with handicap), to finish 28 pins ahead of the second place team, Resa Schoenhals and Fred Dalpiaz.

David and Bill Maddux took the top spot in the Bantam Division with an 820 total. In the second spot were Cindy Homley and Bob Fraser, who rolled a score of 792.

Mike and Jack Lindsey bombed the highest totals in the tourney, finishing with a score of 867 to garner first place honors in the Junior Division. Kim Taylor and her adult partner, Carl Tharp, finished with an 844 total for second place.

In the Senior Division, Rill and Melvin Partlow tallied 862 pins to garner first place. Don Gallaher and Jack Brown came through with a total of 842 for the second spot.

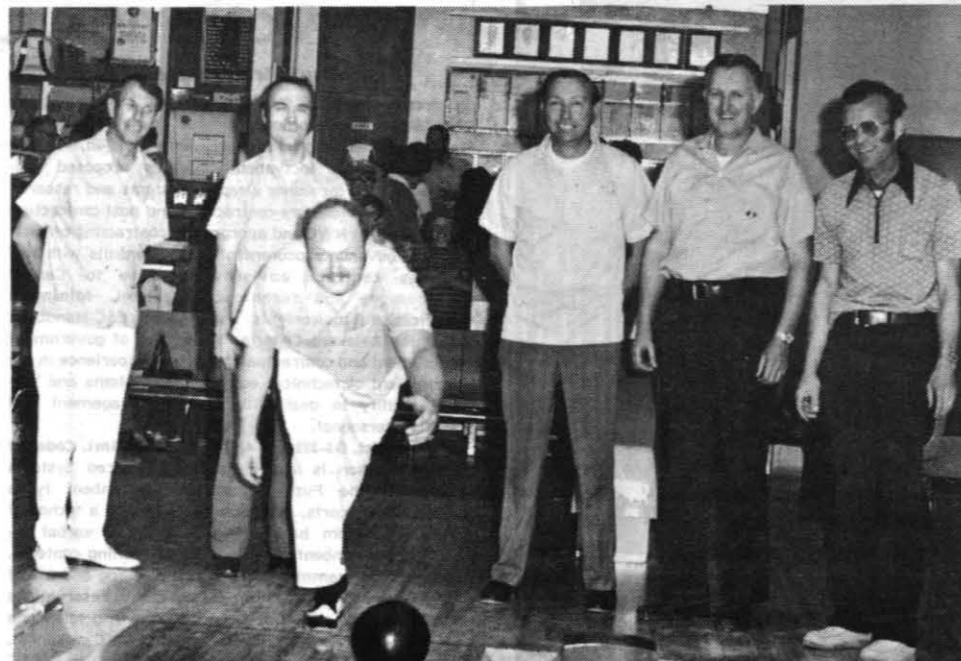
Pony/Colt Leagues Set Sign-ups Sat. At Local Shoe Store

Registration for the Pony/Colt baseball leagues will be held tomorrow at the Cornelius Shoe Store, 801 N. China Lake Blvd., Ridgecrest, between the hours of 9 a.m. and 1 p.m.

Boys aged 13 through 17 must be accompanied by a parent or guardian and must have a birth certificate in their possession. Registration fee is \$15.

Actual tryouts will be held on Saturday, April 20, at the Pony/Colt diamond on the Naval Weapons Center. A registration period also will be held on that day.

Further information can be obtained by calling Gary Burke at 446-2544.



TO COMPETE AT EDWARDS AFB — The team that will represent China Lake in the Mojave Desert Inter-Service League bowling tournament at Edwards Air Force Base tomorrow, held a practice session at Hall Memorial Lanes earlier in the week. The local keglers are (l.-r.): Dick Bauers, Ken Dalpiaz, Jeff Matfick, Dick Furstenberg, Art Karrer and Thad Brightwell. While at Edwards, they will compete in team, doubles and singles events.

Softball Season Plans Outlined At Meetings of Team Captains

The softball season will begin officially at China Lake on May 13. At a meeting held last Monday, it was determined by team captains that the entry fee for teams in the Fast Pitch League will be \$200.

This fee will cover the use of Reardon Field, softball equipment, officials from the Mojave Desert Officials' Association, and scorekeepers.

A captain's meeting will be held on May 2 at 7 p.m. in the Community Center for this league to determine schedules, rules and regulations for the coming season's play.

The season will end on July 3, to be followed by the Mojave Desert Inter-Service League tournament on July 11 through 14 at Reardon Field.

Plans are currently under way to form a varsity and an invitational team. Bert Andreason and Rich Clodt have been named

co-captains of the teams. However, financing will ultimately determine whether these teams are formed, or not. Money is not available at this time, according to Marty Denkin, NWC's athletic director.

Slow Pitch Fees
According to Denkin, the fee for teams in the Slow Pitch League will probably also be \$200, and will include the same benefits as those for the Fast Pitch League. The ending dates for competition in the Slow Pitch League, however, have not yet been determined, although the starting date is also May 13.

Denkin also reminded all team captains that all rosters must be submitted to Special Services' secretary, Barbara Revels, at the gymnasium, and they must be on an official form. The forms are available at the gym.

Registration will begin on Monday and will close at 1 p.m., April 29.

Women's League
The 1974 Women's Softball League will be split into two divisions of play — "A" and "B". In addition, the Women's League will be co-sponsored this coming season by the NWC Special Services and the Ridgecrest Recreation Department.

NWC will be responsible for providing the ball diamond and field maintenance. Ridgecrest will pick up the tab for umpires, scorers, rules, schedules, etc. The cost of teams entered in competition this year will be \$125 each.

The women will play ball on Tuesday, Thursday and Friday nights at Schoeffel Field. At this writing, 11 teams are entered — five in Division A and six in Division B.

The teams will play three rounds, ending in July.

'Bats Outhustled For Women's Cage Crown; Lose 28-11

Gail Falkenberg scored 22 points (a career high) to lead the Hustlers to the title in the Women's Division of the China Lake Intramural Basketball League last Monday night in a special playoff game with the Zingbats squad. The Hustlers won, 28-11.

The playoff was set up after the two teams finished in a tie for first place in the division with identical 11-2 records.

The game began fairly even as the teams were deadlocked, 11-11, at the end of the half. However, the Hustlers got a hot hand in the last half, scoring 17 points while holding the Zingbats scoreless.

Miss Falkenberg hit on 12 of 17 free throws and connected on five field goals during the contest. Marla McBride led the Zingbats' scoring with five points.



In The Catbird Seat
By Jack Lindsey
"Cinderella" is at it again. Dick Hughes, the track star of the Geritol set, through his club known as "The Over the Hill Track Club," is sponsoring a two-mile cross country run on Saturday, April 13.

Called by Gabe Imer (former NWC Head of Special Services) one of the most astonishing runners in China Lake history, Dick, who is 35-plus years old, has been winning track meets left and right for the past two years, and he shows no signs of slowing down.

"In fact, I'm speeding up," says the versatile aging ingenue. "I'm running quicker this year than I did last," he bragged.

Is there no end in sight? Medicos tell us that the human body slows down as the aging process takes over. Dick, who did a bit of running in his college days back before the turn of the century, started training a few years ago and burst upon the track world with all the brilliance of a Nova.

Secret Revealed
"What is his secret?" ask other would-be, middle-aged track lovers. Well, I'll tell you, folks. It's called self-discipline. Dick runs and runs and runs. He runs for distance. He runs for speed. And he runs in between.

Running is a lonely sport, perhaps the loneliest of all sports. It's not the actual competition that is lonely, but the training. At an age where sports is generally confined to watching, Dick, who is an author (two big books), and dedicated NWC super-employee, could make excuses and use the time he spends training in other pursuits.

Even his lovely wife, Janet, gets into the act. She clocks him and also drives the car to where Dick sometimes falls in exhaustion over a sand dune in the barren desert, to take her wrinkled roadrunner home for a hot bath and a good meal.

How many of you would like to compete against Dick? You will have the opportunity on April 13. Ribbons will be awarded for first through fifth place finishers in five different divisions — 14 (non high school) and under; high school to 28 years of age; 29 to 39; 40 to 49, and 50 plus. Donations are 25 cents each, and the competition is open to both men and women.

The course begins and ends at Trader May's on South China Lake Blvd. Those persons desiring more information may contact Dick, 375-4194, or Wade Swinford, 375-5260.

Minor Division Tryouts Set by Little League

Tryouts for the Minor Division of the China Lake Little League will be conducted on Saturday at 9 a.m. at Diamond No. 3 (located opposite Murray School).

This is a one-time-only event. All boys league ages 10 through 12 are invited. Any boys, league ages 8 through 12, who are interested in participating in the 1974 season, and who haven't yet signed up, are invited to register at the tryouts tomorrow morning, or at any time, by contacting Chuck Dye at 446-3655, or Ed Park at 446-3165.

Desert Rats Advised on Best Ways To Treat Snake Bites

Each year at this time, hundreds of Indian Wells Valley residents journey into the fields, canyons and deserts in search of wildflowers, rocks, photographs, gold, and whatever else interests them.

Care should be exercised by all concerned in the matter of rattlesnakes. Nearly 7,000 persons each year receive venomous snake bites, and 71 per cent of the deaths that occur from snake bite are caused by bites from rattlesnakes.

The Indian Wells Valley and the surrounding area is the home of five different types of poisonous snakes—the Mojave Green, the Mojave Red (Panamint Rattlesnake), the Timber Rattlesnake, the Sidewinder, and the Night Snake.

Mojave Green Dangerous
A medium sized Mojave Green, the most poisonous snake in the United States, contains enough venom in its fangs to kill a 160 lb. man in good health 10 times over.

Sterling Endsley and Mike Robertson, teachers of science at James Monroe School, have outlined some procedures to follow in case of a snake bite. They emphasized that each case is different and the individual involved must decide for himself what appropriate emergency measures to take.

The first three minutes after the snake has struck are the most important, they say. Don't panic, keep the heart beat down by avoiding strenuous exercise and fright. Determine if the snake has actually bitten by examining the area for puncture wounds and bruising and swelling.

Place a constriction band 2 to 3 in. above the bite and between the bite and the heart. Use a sock, handkerchief, belt, or even watch band and wrap it so that a little finger can easily be slipped under the band.

Using ice to freeze the area of the bite is useless, they point out. It will not neutralize the venom and can produce frost bite, freezing or gangrene.

If the bite is from a Mojave Green, the victim should do nothing more than apply a constricting band and get to a hospital immediately. The time limit is three hours,

so speed is essential. If the bite is from some other sort of rattlesnake, the constriction band is sufficient treatment for a period of 6 to 12 hours.

If the victim is unable to reach a hospital, or judges further action necessary because the bite is close to the heart, then a longitudinal cut should be made through each fang mark (rather than an X) approximately 1/4 in. long and to a depth equal to 2/3 to 3/4 of the distance between fang marks. Milk the venom out with the fingers, moving in a direction away from the heart.

Do NOT suck the venom out—it can enter the blood stream through any small cut in the mouth. If the victim must walk any distance to a vehicle, then the walk should be a leisurely one, resting frequently.

If possible, the snake should be killed and taken to the hospital for identification so that the proper anti-venom serum can be administered.

Keep Eyes Open
Robertson gave some advice for hikers, especially in desert regions. "Use your eyes, make sure you can see into any place where you are going to put your hands and feet," he said. "A stick may be useful to poke into suspicious corners. Snakes require shade in the summer and will be found under logs and rocks, or even under a car. They can also be found near water," he added.

Both Robertson and Endsley cautioned that people should never pick up a rattlesnake. "They are very strong and can twist and stretch their heads around to bite the fingers holding it," said Endsley. "Snakes can also move and strike after they are dead, and the venom in their fangs remains poisonous," he pointed out.

HAPPENINGS AROUND NWC

Another opportunity is at hand for employees to enroll in the course entitled "Safety for Supervisors."

The next session of this course, which is to be held Monday through Friday, from 9:30 to 11:30 a.m., will be held from April 15 to 19.

Instructors will be members of the Safety Department staff, and the class will be held in Conference Room A of the department's Driver Training Building. The course is designed to give supervisors and those with supervisory responsibility a basic understanding of accident causes and methods of accident prevention.

Employees wishing to attend should submit a completed copy of NWC Enrollment Form 12410/28 via department channels in order to reach the Safety Department no later than Monday.

1st Holy Communion Set
Forty-five children of the Catholic Congregation of the All Faith Chapel will receive First Holy Communion next Thursday, April 11, from Fr. Aquinas J. Smith as part of the observance of Holy Thursday.

These children, under the instruction of Mary May, Pat Burmeister, Helen Martin and John Pietras, have been preparing for this occasion since last September under the Catholic Chapel's CCD (Confraternity Christian Doctrine) program.

The 5 p.m. Mass on Holy Thursday will be followed by a dinner at the Community Center for the new communicants and their families. This dinner is being coordinated by Donna LaBorde.

AFGE Meeting Slated
The next monthly meeting of members of Local 1781, American Federation of Government Employees, will be held on Monday, starting at 7 p.m., in the Joshua Room of the Community Center.

Local 1781 is the representative of a unit composed of non-supervisory civilian employees of the NWC Security Department's Police Division who are located at China Lake.



DISTINGUISHED VISITOR — Rear Admiral F. B. Gilkenson (center), Commandant of the 11th Naval District, visited the Naval Weapons Center on March 28 for a firsthand report on a number of weapons systems programs that are in various stages of development here, as well as for an update on the activities of Air Test and Evaluation Squadron Five (VX-5). RAdm. Gilkenson is shown with RAdm. Paul E. Pugh (at left), NWC Commander, and Capt. E. M. Crow, Commanding Officer of VX-5, a post that was held by the 11th Naval District Commandant at the time the squadron was moved to China Lake from Moffett Field.

Korean Here for Training...

(Continued from Page 1)

Dr. Choe is here on a two-phase assignment. After becoming acquainted with Frank Buffum, formerly an operations research analyst with the NWC Weapons Planning Group, who was sent to Korea for a 10-month tour of duty (1971-72) and worked for the staff of the Commander of Naval Forces in Korea.

Buffum is now the Navy Science Assistance Program coordinator at China Lake, and he and his family have already seen to it that Dr. Choe has had the opportunity to become a bit acclimated to the desert and see some of its wonders by taking him on a recent weekend visit to Death Valley.

Code 37 personnel also will brief him on instrument development, project aircraft operations, range operations, as well as on data reduction and assessment work.

Dr. Choe has written a number of publications, including two entitled "Control of Unknown Plants in Reduced State Space" and "Inherently Stable Feedback Control of Nonlinear Plants With Unknown Parameters." The first was presented at the Joint Automatic Control Conference held in 1969 at the University of Colorado, while the second was published in 1971 in the Journal of the International Federation of Automatic Control.

Material for Chain Link Fencing Now Available at Housing

The Housing Office recently acquired sufficient material to provide 500 housing units with chain link fences. All that is required is that the tenant supply a plot plan, cement and self-help labor for his fence.

Expert assistance and tools are available. Since the fencing material will be distributed on a first-come, first-served basis, those interested are asked to call NWC ext. 2087 between 12:30 and 4:30 p.m. for further information.

The Housing Office also announced that shrubs and fence materials are available from vacant Hawthorne type housing units. China Lake residents can obtain a permit to move such materials to their own premises by submitting a request for the items wanted to the Housing Office.

Old Dynamite...
(Continued from Page 1)

every three days to determine if there has been any theft or attempted theft. If there is such a loss, it must be reported within 24 hours to the Bureau of Alcohol, Tobacco and Firearms, which, under the Organized Crime Control Act of 1970, administers the Federal Explosives Law.

Penalties for bombing, threat of bombing and illegal possession of explosives range from a year in prison and/or a \$1,000 fine upward to the death penalty.

The public is asked to cooperate with this effort to locate caches of explosives by calling the nearest Sheriff's Office or contacting the ATF Bureau. Anyone who does locate suspected explosives is urged to exercise extreme caution.



HERE FOR SPECIAL TRAINING — Dr. H. H. Choe (on left) gets a close look at an electronic board—part of the motor drive section used in the Sidewinder AIM-9B missile system's guidance and control unit. Shown explaining just how it functions is Jim Foust, head of Code 5142. Dr. Choe works for the Agency for Defense Development in Seoul, Korea, and is here as a participant in the Navy Science Assistance Program.



International Fashion Show Set May 3

It's full steam ahead on preparations for an International Fashion Show that has been scheduled at the Community Center on Friday, May 3, starting at 8 p.m.

Plans call for displaying clothing and costumes worn on special occasions in various countries around the world, and models (both foreign-born and American-born men, women and children) are needed for the show, as well as authentic wearing apparel from many foreign lands.

Persons interested in appearing as models are asked to contact Donna Baker, by calling 375-7343; Mrs. Frank Driggers, phone 446-7146, or Janet Tonkin, at 446-8927.

Co-sponsors of this community-wide event are the Human Relations Committee of the China Lake Education Association and Desert Area Teachers Association, the American Association of University Women, and the Indian Wells Valley branch of the National Association for the Advancement of Colored People.

To Aid Scholarship Fund

All proceeds from the International Fashion Show will go to the Martin Luther King, Jr., scholarship fund as a contribution from the California Teachers Association.

Chairwomen of the various committees for the show are Betty H. Rivera, general chairwoman and publicity; Joanne Busch, co-chairwoman; Valerie Palmore, program and publicity; Every Jo McClendon and Mary Eisel, decorations; Donna Baker, wardrobe; and Rose Varga and Ethel Wiggins, culture and costume coordinators, respectively.

Sierra Gun Club To Sponsor NRA Pistol Matches in April

Plans were announced this week for two National Rifle Association (NRA) approved pistol matches that will be held by Sierra Desert Gun Club next Thursday, April 11, as well as on Saturday, April 20.

These two events, the only NRA-approved matches within a radius of 80 miles, will be staged at the Sierra Gun Club's range located on the SNORT Rd., just west of the new Special Services trap range.

The April 11 event will be a short course match (30 rounds) that will start at 7:30 p.m., while on April 20 entrants will vie in a 90-shot match. Either .22 caliber pistols or any centerfire caliber pistol may be used in both events.

Full details can be found in the official match programs that be obtained from Merv Hoover, the pistol executive officer for the Sierra Desert Gun Club, ph. 446-6880, or at the clubhouse, which is open Tuesdays, Wednesdays and Thursdays from 7:30 to 9:30 p.m.; on Saturdays, from 8 to 10 a.m., and on Sundays from 1 to 4 p.m.



MERT AND FRIENDS — Mert Davis, IWW Animal Control Officer, is surrounded by a group of children interested in seeing his truck and hearing how the communications gear works. The children are typical of those that Davis has been speaking to in recent weeks about the care and feeding of pets, controlling them, the duties of an animal control officer, and other subjects.



INTERNAT'L FASHION SHOW PLANNED — Committee chairwomen who are in charge of various phases of preparations for an International Fashion Show met recently to begin the task of coordinating a wide variety of activities. The affair is planned for the evening of Friday, May 3, at the Community Center. Shown are (l.-r.) Bettye Rivera, Valerie Palmore, Every Jo McClendon, Donna Baker, Rose Varga and Ethel Wiggins. —Photo by PHAN D. M. Jenerexaux

Proper Control of Animals Will Benefit Entire Community

The proper control of domestic animals is essential to the operation of a well-ordered community. This is particularly true in the case of dogs on the Naval Weapons Center.

One man, animal control officer Mert Davis, has been educating young children in the proper care of pets, the duties of an animal control officer, and what to do if they find a strange animal.

Davis, who has worked for the City of Ridgecrest the past two years, was "shared" by Susie Read, the daughter of a friend, Chuck Read, during a "Show and Tell" project by Susie's kindergarten class at Groves School.

He gave the children a talk on various things—what they should do if they see a snake; what a bat looks like and why it should be avoided; what to do if they are bitten by an animal; and many other things.

Interest Grew Quickly "I threw in a little advice on how to care for their pets and showed them how I work the communications gear in my truck," Davis said. "The whole thing mushroomed, and I found myself speaking to the first grade and the fourth grade classes at Groves. Next, I've planned a similar talk to the third graders there," Davis pointed out.

"There have been a lot of dogs roaming the Center at night, causing damage to people's property. I thought maybe education of children, who are generally the caretakers of pets, could be of some help,"

Davis added.

The dog problem on the Naval Weapons Center has caused the China Lake Community Council to become concerned.

Referring to NAVWPNSCEN Instruction 5820.3C, a Council spokesman pointed out that all persons owning, keeping, or harboring domestic animals and pets in the China Lake community are responsible for the proper care and control of their animals with due regard for the rights of neighbors and other residents of the community.

License, Shots Required

Failure to do so might result in the owner losing the privilege of keeping a pet on the Center. The Instruction reads, under item 6, paragraph b: "As a condition of harboring a dog on the Center, each owner must comply with Kern County ordinances relative to dogs. . .Dogs more than four months old, or upon reaching the age of four months, must have prescribed rabies shots and be currently licensed by Kern County."

Paragraph c of the same item states that "Any dog roaming unattended will be considered neither in the custody of the owner nor under control, and is subject to being picked up by the IWW Animal Control Officer." To more clearly define this stand, the Instruction points out that any dog not within an enclosed yard, on a chain, a leash, or under the direct supervision of a responsible person, will be considered not under positive control.

In addition, the Instruction also points out that "It is a violation of California State law to allow a female dog 'in season' to roam unattended."

Read NWC Instruction

According to the Community Council spokesman, it would behoove all residents of the Naval Weapons Center who own pets to get a copy of the Instruction and read it. Information regarding animals who bite, breeding for profit, cleanliness standards, etc., are included in the Instruction.

Davis said that he and Gil Pritchett, the other animal control officer in the area, brought in 2,327 dogs during 1973, and 1,348 cats. "As you can see, that's a lot of animals not under control. I hope that my little talk to the school kids can cut that figure. If any other teachers in the local area would like to have me come and talk to their classes, I am available," Davis added.

Blue Cross Agent Due

Gordon Ellis, the Blue Cross / Blue Shield Insurance representative, will be at the Community Center on Tuesday from 10 a.m. until 2 p.m.

Communications Is Subject of Talk By Visiting Expert

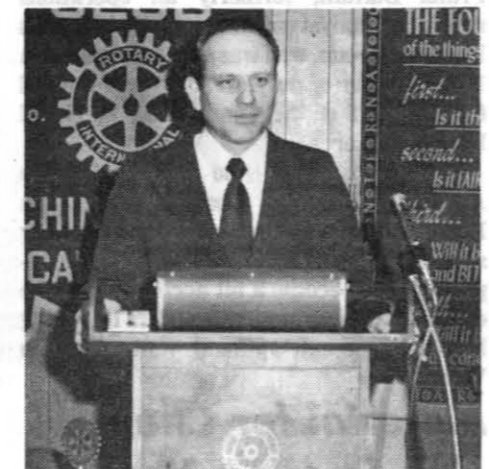
Bernard J. Campbell, communications engineer for the San Bernardino County Department of Communications and Emergency Services, addressed the China Lake Rotary Club last week on public service communications, and later visited NWC.

Campbell is in charge of planning and engineering for communications services and systems which enable San Bernardino County fire, police, and rescue vehicles to meet both emergency and routine actions involving public safety, security and support.

He also heads San Bernardino County's equipment acquisition, installation and maintenance programs in the public service communications area. In addition, he serves on state and regional committees which provide recommendations to the Federal Communications Commission on frequency allocations for public service communications.

Developments Traced

In his address to the local Rotary Club, Campbell traced the development of public service radio communications, from the early use of broadcasts one-way to vehicles equipped with receivers only, to the present



Bernard J. Campbell

comprehensive two-way communications systems.

In San Bernardino County, he noted, recent developments have made possible a county central radio control headquarters, enabling almost all communities in the county to make instant contact with the county headquarters and a tie-in with other services when emergencies develop.

Technology Improved

Reviewing the state of the art, Campbell told Rotarians and their guests that the technology now exists for equipping ambulances, and other rescue vehicles, with two-way radio and telemetering circuits so that a patient's condition in transit can be monitored by a doctor located at a medical center, who can provide continuing instructions to the ambulance attendant. Portions of this system are in process of installation, and Campbell's forecast was that in the next few years, two-way hospital-ambulance communications and remote medical control will be commonplace.

Stressing the need for advance planning and training to meet such innovative use of radio communications, Campbell revealed that San Bernardino County has taken the lead to develop Emergency Medical Training efforts in cooperation with major hospitals such as the Loma Linda Medical Center, so that both ambulance attendants and hospital experts will be able to function as a team to provide emergency services.

After his address to local Rotarians, Campbell visited NWC, where he was provided with an overview of the Center's mission and operations. In discussions with communications and disaster control personnel, he indicated his willingness to participate in coordinating a common interface of communications, under emergency conditions, for San Bernardino, Kern and Inyo Counties together with NWC, and will return at an early date for this purpose.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Contract Specialist, GS-1192-9 or 11, PD No. 7125011-1, Code 2521 — This position is located in the Procurement Management Branch, Procurement Division, Supply Department. The incumbent analyzes proposed contractual actions for major weapons systems and research programs; provides pre-contractual and post-contractual liaison between NWC and appropriate contracting offices; prepares advance procurement plans. Consults with and provides contract advisory services to Center management and technical personnel. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of government procurement and contractual practices. Experience in the procurement of technical equipments, systems and services. Ability to deal with Center management and technical personnel.

Clerk-Typist, GS-222-3 or 4, PD No. 7251019Am1, Code 331 — This position is located in the Advanced Systems Division of the Fuze Department. Incumbent types memoranda, reports, manuscripts, letters of a technical nature, etc. from handwritten drafts and verbal instructions. Incumbent is responsible for editing contents, correctness of grammar, punctuation, spelling and use of proper format. Also types itineraries, makes reservations and types travel orders. Receives visitors and telephone calls from other agencies, contractors and NWC personnel. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be a proficient typist. Must have the ability to comprehend technical terminologies. Must be familiar with policies and procedures for official correspondence. Ability to work independently.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371.

Library Aid, GS-1411-3 or Library Technician, GS-1411-4, PD No. 6975014, Code 5233 — Incumbent is responsible for the maintenance of a check list for the Center-wide subscribed periodicals, the publication of a weekly table of contents list and the distribution of division mail. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to orally express self clearly. Ability to demonstrate tact and courtesy. Familiarity with library practices. Promotion Potential: GS-5.

File applications for above with Mary Morrison, Code 657, Rm. 216, Ph. 2393.

Administrative Officer, GS-341-9 or 11, PD No. 7435030, Code 3593 — This position is located in the Surface Threat Development Area of the Countermeasures Division, Electronic Systems Department. Duties include but are not limited to assisting the Associate Division Head for Surface Threat Development in administering projects, personnel, and facilities. Specific duties include: initiating personnel actions and maintaining personnel files, administering project funds, administering procurements and providing follow-up on contracting actions, and assisting in initiation and maintenance of various program

Incumbent should have a good working knowledge of digital and analog design, layout and construction techniques, and be capable of testing such circuits. Computer Programmer, GS-334-9, PD No. 7435043, Code 3554 — This position is located in the Data Systems Branch, Countermeasures Division, Electronic Systems Department. The incumbent of this position is coordinator of the Echo Range software system library, and has complete responsibility for the design, implementation, updates, and dissemination of library status as required. He is responsible for the modification, maintenance, and improved documentation of real-time support programs, as well as part of the general purpose utility and checkout programs. He is required to write diagnostic programs to support new hardware incorporated into real-time equipment configuration and, after completion of checkout, modify these programs to support the new hardware. He also has responsibility for providing special programming support to effect more efficient usage of the computer facility. Minimum Qualification Standards: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in either hands-on programming or real-time computer operations-maintenance using Univac 1230 equipment. He must have written programs in at least one of the following assembler languages: AS-1, CS-1, SYCC, or CMS-2. Systems analysis experience, plus a specialized understanding of the capabilities and processes of computers and their peripherals is highly desirable. Advancement Potential: GS-12

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 208, Ph. 2577.

Promotional Exams

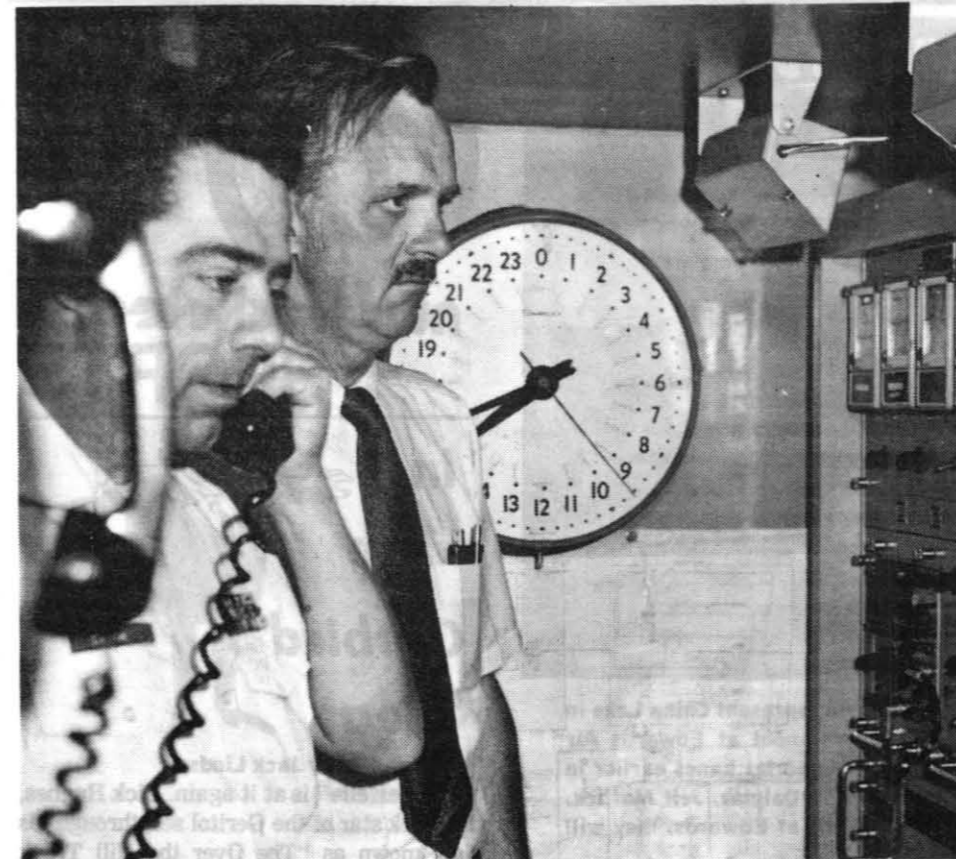
Model Maker (Sheet & Plate Metal), Foreman, WS-3880-12, Exam. Ann. No. NWC-65 (74) — Applicants must possess basic eligibility as Aircraft Metalsmith, Model Maker (Sheet & Plate Metal), or Sheetmetal Mechanic. Selective criteria: Ability to supervise; technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials; and, knowledge of pertinent tools & equipment. Minimum Qualifications: As defined in Handbook X-118C. Applicants should file SF-172 and supplemental wage grade supervisory information sheet with the Special Examiner, Code 652, to be received or post-marked not later than 15 April 1974. Forms for filing may be obtained in the Personnel Department, Rm. 100.

Carpenter, Foreman, WS-4607-09, Exam. Ann. No. NWC-66 (74) — Applicants must possess basic eligibility as a Carpenter or Joiner. Selective criteria: Ability to supervise; technical practices; ability to interpret instructions; knowledge of materials; and, knowledge of pertinent tools & equipment. Minimum qualifications: As defined in Handbook X-118C. Applicants should file SF-172 and supplemental wage grade supervisory information sheet with the Special Examiner, Code 652 to be received or post-marked not later than 22 April 1974. Forms for filing may be obtained in the Personnel Dept., Rm. 100.

'Cycle Riding Class Set

A class in motorcycle riding will be held on Saturday at the NWC Traffic Safety Building, located at the corner of Hussey Rd. and Nimitz Ave., beginning at 9 a.m.

Persons interested in attending should call Billie Hise, NWC ext. 2037.



THE TIMING IS WRONG — S/ Sgt. Robert O. Church uses a direct "hot line" to Edwards AFB to notify the detachment HQ that one of the slave stations is transmitting out of time. The slave stations may transmit a pulse no more than .05 microseconds out of time before the China Lake station brings them back into time. Beside S/ Sgt. Church is John Jacobsen, a technical representative of the Sperry-Gyro Co., Great Neck, N.Y. — Photo by PHAN Joe Dunn

LORAN-D Station in Operation...

(Continued from Page 1)

is represented on a special LORAN-D chart by a curved "line of position" that connects all points of equal time difference.

By tuning to two different pairs of transmitters, and by plotting the intersection of two "lines of position," a user can determine his specific location to within 50 ft. This type of navigation is invaluable for all-weather, tactical bombing, and is automatically displayed on military aircraft.

The master transmitter at Glendale is also in synchronization with the master clock at the Naval Observatory in Washington, D.C., and transmits "true time" to numerous users in the area.

The men at China Lake, who are led by Senior Master Sgt. Virgil E. Stewart, report to Detachment Eight of the 4th Mobile Communications Group, at Edwards Air Force Base. The 4th Mobile Communications Group Headquarters is located at Altus AFB, Altus, Okla.

Members of Team

SM/ Sgt. Stewart has been at China Lake for the past 18 months, since the station was set up at Sandquist Spa. The men who work there are M/ Sgt. Garry W. Walker, T/ Sgt. George H. Huff, S/ Sgt. Charles S. Schuman, S/ Sgt. Wilbert R. Williams, S/ Sgt. Robert O. Church, S/ Sgt. Irvin W. Armstrong, S/ Sgt. Peter T. Rafferty, S/ Sgt. Alfred R. Bicchelli, Sgt. Jimmie D. Marquiss, Sgt. Richard J. Schueler, and Sgt. Frank P. Abbott.

John C. Jacobsen, a technical representative from Sperry Gyroscope Division, also is assigned at China Lake. Sgt. Schueler is a fire production specialist and S/ Sgt. Williams is an air conditioning and refrigeration specialist. The rest of the men are navigational aide specialists.

Monitors Signals

The importance of the China Lake facility lies in the fact that the other stations do not know when the signal they are transmitting wavers from the time differential. They merely continue to transmit. If the signal gets out of time, or out of pulse, then the China Lake monitor sees this and contacts the stations to get them back in time. The actual timing is in reference to the master station at Glendale, however, it is the local station's responsibility to monitor the pulse and see that it remains synchronized with the master.

Transmitting stations can waver from the time differential a scant .05 microseconds. Beyond that, they must be brought back into

proper sequence. What this means to pilots is repeatability. That is, they can employ LORAN-D to return to within 50 ft. of a particular point, and also govern their position in relation to another aircraft in the area.



SPRING FASHION SHOW COMING UP — Michele Spane and Maile Pinney (l. to r.) would like to remind members of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) and their guests, that on Tuesday the annual WACOM spring fashion show will be held in the Mojave Room of the Officers' Club. Luncheon will be served and then there will be a peek at the latest fashions for the "Gatsby" look. The Broadway Department Store in Bakersfield will provide the fashions, while Senn's Coiffures & Boutique in Ridgecrest will handle all the hair styles for the models. The Dan Lydon Combo will provide music for the affair. Tickets for the luncheon and fashion show are \$2.50 and may be purchased at the door. — Photo by PH3 Jerry Sizemore