

Museum schedules tour of nearby gold mine areas

A tour of gold mine activities in the Randsburg-Garlock area will get under way at 10 a.m. tomorrow at the State Historical Landmark in the old town of Garlock.

The leader of this tour, which is being sponsored by Maturango Museum, will be Roberta Starry, author of "Gold Gamble," one of the museum's publications which describes the gold mining that has taken place in the area to be visited.

Mrs. Starry has a wealth of information and many interesting anecdotes to tell about the early-day mining life. The tour will include not only Garlock but the Rand District as well.

The trip is open to the public without charge. Those attending are asked to bring their lunch and clothes suitable for the weather. There will be some walking to various sites. The tour will end at approximately 3:30 p.m.

Garlock is reached by turning west off Highway 395 about 4 miles north of Johannesburg. The townsite of Garlock is about 8 miles from the turn-off on Highway 395 and is clearly marked. Those attending should plan on leaving here about 9 or 9:15 a.m. in order to meet others in Garlock at 10.

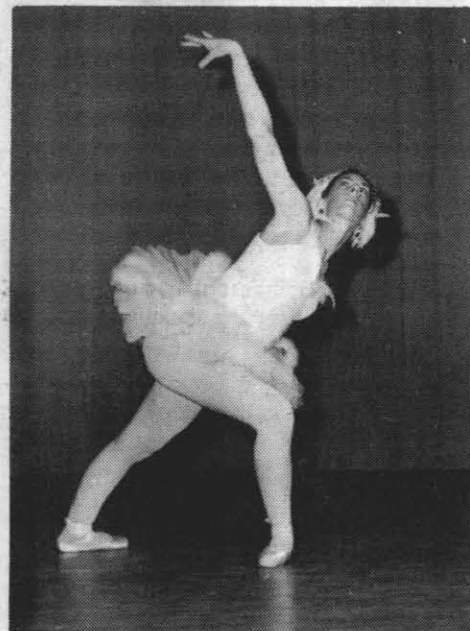
Field trips are an important part of Maturango Museum activities and one of the purposes of the trip is to acquaint the local area residents with the museum.

Tryouts for stage play set Mon., Tues.

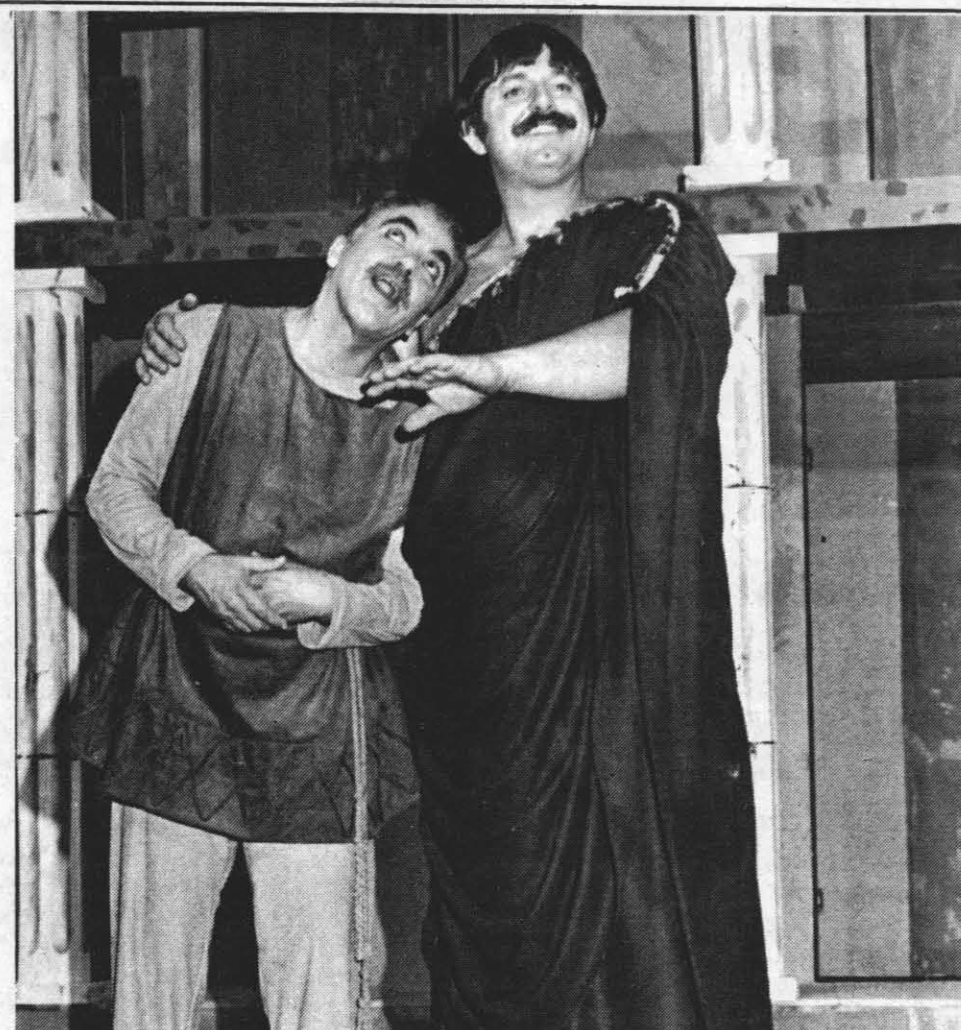
Tryouts for the China Lake Players' next production, "Last of the Red Hot Lovers," will be held on Monday and Tuesday, starting at 7:30 p.m., in the Players' hut, 405 McIntire St.

Marijean Ackers will direct this local version of the well-known Broadway comedy that was written by Neil Simon. The play is about a man who, after 23 years of happy married life, decides he needs a little more excitement in his life.

There are parts for four characters — one man ranging in age from the early to mid-40s, and three women whose ages vary from the mid-20s to the early 40s.



BALLET PROGRAM SET — As a Christmas gift to the community, the Ballet Arts Theatre (under direction of Bette Jacks) will present a program of classical ballet and novelty numbers on Sunday, Dec. 14, starting at 2 p.m. in the Burroughs High School lecture center. The program also will include a portrayal of the Christmas story in dance form, with narration by Bea Moore. Terri Jacks (above) is a member of the cast, which includes highly qualified professional and near-professional ballet artists. The program will be open free of charge. However, a representative of the Ridgcrest Chamber of Commerce will be present to collect voluntary donations that will go into a fund set aside for the purchase of outdoor Christmas decorations in the community.



FINAL TWO PERFORMANCES — The curtain will go up again tonight and tomorrow night at 8:15 on the final two performances of "A Funny Thing Happened on the Way to the Forum." This Community Light Opera and Theatre Association production is being staged at the Burroughs High School Lecture Center. Two of the principal players, Eduardo Romero (at left) and Fred Stahman, are shown cavorting through a scene from this madcap musical comedy. General admission tickets are priced at \$2.50 per person, while students under 21 years of age and senior citizens will be admitted for \$1.25. The tickets will be on sale at the Lecture Center box office prior to each performance.

Country western program slated as highlight of Toys for Tots drive

Again this Christmas season, live country western entertainment will be brought here to highlight the 1975 Toys for Tots drive.

The big event will take place on Sunday, starting at 7:30 p.m. in Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest.

The annual sponsors of the Toys for Tots drive — the Naval Weapons Center Marine Corps Liaison Office and the High Desert Detachment of the Marine Corps League — hope that through the admittance donation of a new unwrapped toy or \$5, they will be able to provide toys for underprivileged children in an area ranging from the Indian Reservation in Lone Pine on the north to Red Mountain on the south, and from Searles Valley on the east to the Kern River Valley on the west.

The featured entertainer at this combined concert and dance will be Red Simpson, who has successfully toured Europe with his special brand of country western music.

Other accomplished entertainers on the program include Kay Austin; Tommy Collins; Big Bill Smith; Howdy Glenn and Oscar Whittington and his band.

Master of ceremonies for the evening will be Larry Scott, a popular country western disc jockey from Los Angeles.

It is hoped that in this year of Bicen-

Reservations being taken for New Year's Eve fete

Reservations are now being taken for the New Year's Eve party at the Commissioned Officers' Mess, Roy Moss, club manager, has announced.

The "Good Times Band" will be the featured musical group starting at 9 p.m. and continuing into 1976. Other entertainment is being planned, Moss said.

A gourmet filet mignon dinner, including wine, will be served from 7 to 10 p.m.

Included in the price of \$15 per person will be party favors and champagne at midnight.

Reservations must be made and tickets, which are now available, will be on sale at the COM through Friday, Dec. 19.

The COM will remain closed from Wednesday, Dec. 24, through Monday, Dec. 29.



Red Simpson

ennial celebrations, many local area residents will turn out to listen to the music which is truly a part of the American heritage. By doing so, many needy children will benefit by having a Merry Christmas.

Diorama Show will be held Saturday at Center's Youth Gym

A Diorama Show and Contest, sponsored by the Special Services Youth Center and Hobby Shop, will be held tomorrow from 10 a.m. to 2 p.m. in the Youth Gym.

All participants in the contest must have their entries set up in the gym tonight between 5 and 7 p.m., since judging of the entries will take place between 8 and 9 p.m.

Entrants will be competing for first, second and third place awards in the following age groups: youngsters up to 9 years old, those 10 through 13 years of age, and 14 to 18-year-olds. There also will be a "best of show" award.

The entries will be further divided into those that are 1/48th in scale and smaller, or 1/47th in scale and larger.

Judging will be based on a total of 50 points, taking into consideration such factors as basic construction, overall appeal, authenticity of markings, and color scheme.

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 DEC.

"MURDER ON THE ORIENT EXPRESS" (128 Min.)

Albert Finney, Lauren Bacall

(Mystery Drama) A mysterious murder aboard the famous Orient Express, enroute from Istanbul to Calais, is expertly solved by the renowned Belgian detective, M. Hercule Poirot. (PG)

SAT.

6 DEC.

"DAUGHTERS OF SATAN" (90 Min.)

Tom Selleck, Barra Grant

(Horror) A local cult of Philippine devil-worshippers ("The Asanla Assembly of Satan") huff-and-puff their way through a ritual murder of the reincarnated Inquisitor responsible for the burning of three witches in 1592. (R)

SUN. & MON.

7-8 DEC.

"DEATH RACE 2000" (80 Min.)

David Carradine, Simone Griffeth (Science Fiction) In the year 2000, the United Provinces of America holds its 20th annual Transcontinental Death Race. David Carradine plays national champ Frankenstein, a cross-country road wrecker and victor of the races. The winner of the race is determined not only by the finishing position, but by the points gained in running down and killing pedestrians with their deadly vehicles. Carradine's rivals are Machine Gun Joe Viterbo and four other drivers. While racing to the finale, Carradine also has to fight off radicals trying to sabotage the race. (R)

TUE.

9 DEC.

"THE FOUR DEUCES" (86 Min.)

Jack Palance, Carol Lynley (Drama) At the height of the depression, a full-scale gang war is under way between the Chico Hamilton mob and Vic Morono and his Four Deuces. When the Hamilton speakeasy is bombed and Chico escapes with his life, Chico's reaction is violent. He retaliates by kidnapping the "songbird" of the Four Deuces' Club. This film is rife with machine gunnings, and bombings, ultimately ending with Vic standing alone after the destruction of the opposing gang, and his empire and life in ruins. (R)

WED.

10 DEC.

"S+P+Y+S" (93 Min.)

Donald Sutherland, Elliott Gould (Action Comedy) Two less-than-super spies find themselves in wild escapades as they use their far-out ingenuity to outwit their pursuers. (PG)

THURS.

11 DEC.

"THE TERRORISTS" (89 Min.)

Sean Connery, Ian McShane (Drama) This film is concerned with a British Ambassador who, with his household, is being held hostage in Norway until the British release some terrorists from jail in London. The British comply. However, the Norwegians are not too happy about providing safe conduct out of their country for the gang that is holding the Ambassador, and Connery has been instructed to prevent them from escaping. Unarmed and outnumbered six to one, he accomplishes his assignment. (PG)

FRI.

12 DEC.

"BUSTER AND BILLIE" (100 Min.)

(Drama) An unusual love story about two high-school seniors in rural Georgia in 1948. The boy is the class leader, while the girl comes from the other side of the tracks. (R)

Chaparral Club dance

The "Magic" Band from Corona, will provide the music for a dance at the Chaparral Club tonight, from 9:30 until 1 a.m., according to Walt Schimke, club manager.

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1975 - 642 / N0410

From:	PLACE STAMP HERE
To:	



nwc rocketeer

Naval Weapons Center
China Lake
California

Dec. 5, 1975

Vol. XXX, No. 48

Data on new developments in fuzes, terminal guidance studies obtained at ESL in Corona

By Elizabeth Babcock

When the personnel and functions of the Corona Laboratories were moved to China Lake in 1971, almost all of the Corona facilities were closed. But one structure was too big to move and too important to shut down.

Impressive from the outside only for its size, this huge, windowless box is 266 ft. long, 117 ft. wide, and looms 79 ft. over nearby palm trees.

But unprepossessing as it seems from the outside, this building serves as a unique national asset providing an important service for Army, Navy, and Air Force projects. A facility of NWC's Fuze Department, this is the Encounter Simulation Laboratory (ESL). Here is NWC's answer to the problem of providing inexpensive and accurate data on new fuze developments and terminal guidance studies.

"With a wide range of variables occurring in actual combat conditions, about a thousand interactions between a prototype fuze and a target are typically required to provide enough data to evaluate this concept," said Herb Bulgerin, head of the Fuze Department's Advanced Systems Division. "Since the ESL data have an extremely low cost, we are able to make a large data quantity affordable."

Model Range Described

Inside, the most immediately noticeable thing about the ESL is a lot of space. Running down the center of a vast cement floor is a 260 ft.-long set of tracks. Along these tracks moves the sensor transporter, an apparatus that carries a fuze or scaled model of a fuze in such a manner that a free space condition is simulated.

The fuze is moved at speeds between 1 and 10 ft. per sec. along a carefully calculated path beneath a target suspended overhead. The support structure of the sensor transporter has been designed for minimum interference with the fuze radiation pattern.

Mounted behind the fuze on the sensor transporter is an optical scanner. Providing

CLCC board slates talk about safe drinking, driving

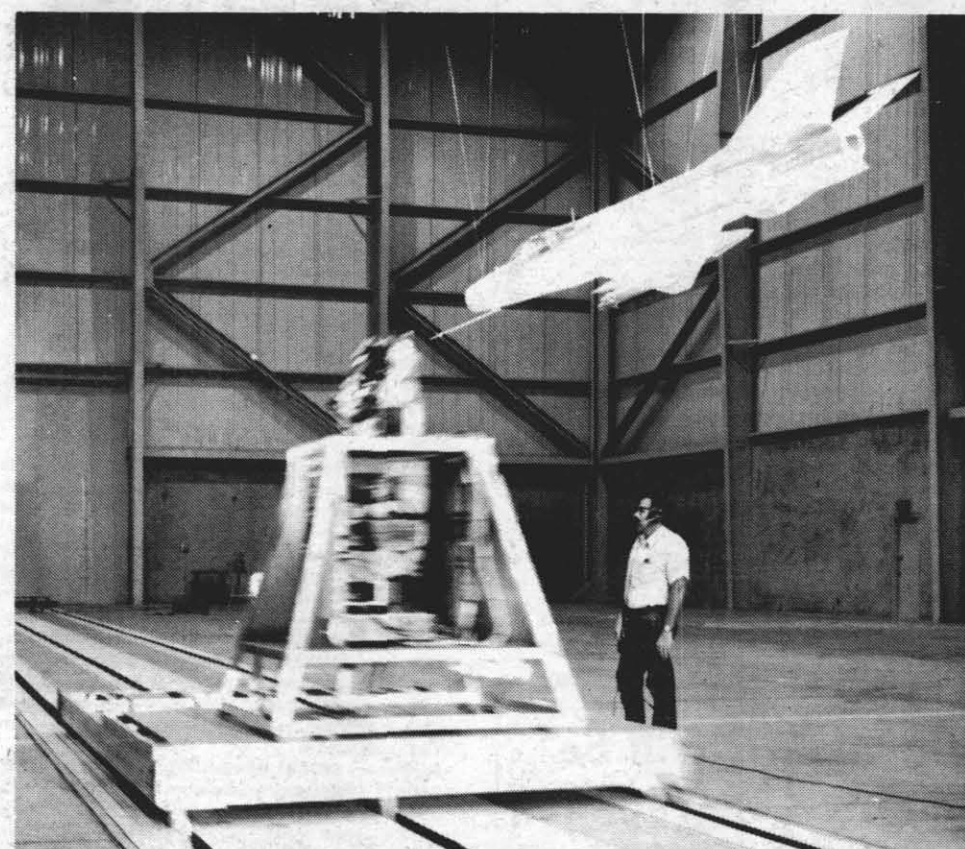
A talk on the subject of safe drinking and driving will highlight next Tuesday night's meeting of the board of directors of the China Lake Community Council.

The meeting, which is open to all interested persons, will be held in the Joshua Rm. of the Community Center, starting at 7:30 p.m. The speakers will be Charles Porter, judge of the Indian Wells Judicial District Court, and Gene St.-Amand, coordinator of the Desert Counseling Center's substance abuse program.

Other business on the evening's agenda will include a presentation by spokesmen for a group representing SOS ("Stop Offensive Smoking"), and new officers of the Community Council's board of directors will be elected from the following slate of candidates:

Wilt Wyman, for president; Jim Walden, for vice-president; Robert McCarten, for secretary; and Don Cook and Chief Robert Kaufmann, for treasurer.

In addition, revisions to the Community Council's by-laws and the possibility of having a department store open for business in Ridgecrest also will be discussed.



TEST IN PROCESS — Under the watchful eye of a technician, one of six permanent NWC employees assigned to the Encounter Simulation Laboratory, the smaller of two sensor transporters speeds past a model of a target aircraft. As this interaction occurs, sophisticated electronic equipment records response data that will help make possible the analysis of fuze effectiveness.

a conically scanned image of the target, this instrument "sees" the target from exactly the same angle as does the fuze. The output of this scanner, a television-like picture, also displays data that establish a direct visual correspondence between time, position, fuze response, and the portions of the target within the scanner's field of view.

Serves Dual Purpose

This instrument is thus a useful tool for the assessment of warhead strikes on the target as well as correlation of radar backscatter (or interference from particles in the atmosphere) with the target. In addition, three stationary cameras in the model range provide the customer with photographs of the position of the target and the fuze at each encounter.

The target, a full-scale or one-fifth-scale

model depending on the type of test being run, is suspended overhead from dactron lines. This model, weighing a maximum of 1,000 lb., can be completely supported from the main hoist at the center of the support structure. Several attitude control lines, attached to three points on the model, complete a highly stable support structure that also allows large roll and pitch angles to be achieved. By altering the length of these lines, the target aspect can be changed for successive encounters.

The overhead, support structure for the lines can be rotated and moved across the building; thus, by changes in the speed and height of the fuze on the sensor transporter and the position and attitude of the target, a great variety of encounter conditions can be

(Continued on Page 3)

Eva Bien promoted to head of Personnel Department at NWC

A Civil Service success story in which the heroine joined Civil Service in 1958 as a GS-3 clerk-typist for Central Staff and has now been officially confirmed as the choice to head the NWC Personnel Department came true this week for Eva Bien.

There were approximately 40 applicants for this nationally-advertised department head post which was vacated this past August when Ray Harrison left here for Washington, D.C., to become director of the Career Center Management Division for the Office of Civilian Manpower Management (OCMM).

The 40-some applicants were screened down to 30 and their qualifications were then reviewed by a ranking panel composed of representatives of OCMM, the Chief of Naval Material, the Navy Senior Personnel Officer and a representative of this Command.

Out of this came the names of the six top applicants whose qualifications were again reviewed during another screening by the Center's Executive Committee. The final



Dr. Marguerite M. Rogers

Fed'l Woman's Awardgarnered by Dr. Rogers

Dr. Marguerite M. Rogers, head of the Systems Development Department, was honored on Wednesday night at an awards ceremony and banquet in Washington, D.C., during which she was one of the six recipients of the Federal Woman's Award.

The Federal Woman's Award, initiated in 1960, is the only awards program in the Federal Government which is exclusively for women. The award has a three-fold purpose: To give public recognition to outstanding career women in Government service; to call public attention to the many kinds of important work that women are doing; and to interest talented young women in pursuing Federal careers.

Dr. Rogers was selected to receive this award by virtue of the fact that in addition to being the only woman appointed to a Navy Public Law position and the first woman to hold a department head position at the Naval Weapons Center, she is a nationally recognized expert in the delivery, development, tactical employment, and ultimate effectiveness of conventional weapons.

Her accomplishments include directing the development of some 30 weapons and warheads from the feasibility stage through release to the Bureau of Naval Weapons. She also has influenced the Navy weapon development program by evaluation of the utility and practicality of possible weapon concepts to meet Navy requirements. In this function she has maintained a close working relationship with technologists and weapon developers of the Navy Air System Command and the planners of OPNAV.

This combination of practicality and vision based on both analytical and solid hardware experience has contributed greatly to this nation's adequate defense posture in conventional weapons.

choice was then approved by Rear Admiral R. G. Freeman III, NWC Commander, and announced on Monday.

Mrs. Bien feels that she got off to a good start in Civil Service by receiving what she recalls as "some of her best training" while Ann McDuff was her supervisor in Central Staff. The latter is now a management analyst in the Office of Finance and Management's Management Division.

From Central Staff, the new head of the Personnel Department joined the Public Works Department as a personnel clerk and in three years worked her way up to become an administrative assistant in the Administrative Division of Code 70.

"Public Works was another good training ground," Mrs. Bien noted, for it was there, she said, that she learned to relate with people.

With this kind of a work background behind her, Mrs. Bien transferred to the Personnel Department in July 1962 and has been with Code 65 ever since. Starting out as

(Continued on Page 5)



Eva Bien



ELIGIBLE FOR WISE OWL CLUB—James A. Lawler, Jr., an air conditioning equipment mechanic in the Facilities Branch of the Propulsion Development Department's Engineering Division, was recently presented with a Wise Owl Club membership certificate by Dr. G. W. Lenoard, head of the department. The National Society for the Prevention of Blindness, Inc., issues Wise Owl Club memberships to workers who, through the use of safety equipment, have escaped serious eye injury or blindness. Lawler is pointing to the wire mesh shield on his safety glasses which stopped a ricocheting ½ by 2-inch bolt from hitting him in the eye. The incident occurred while Lawler was chiseling off the bolt, which was protruding up through a concrete floor. It came loose, hit a wall and struck the shield of his safety glasses with such force that it caused considerable pain in the eye socket and temple areas. There was no damage to the eye and only slight damage to the shield.

—Photo by Ray Hocker

Chanukkah (Festival of Lights) will be celebrated tonight by Hebrew Congregation

Members of the Naval Weapons Center's Hebrew Congregation will celebrate Chanukkah (the Festival of Lights) tonight, starting at 6 o'clock in the East Wing of the All Faith Chapel.

Ben Romer, a student rabbi, will conduct the sabbath and Chanukkah religious service, which is to be followed by a potluck

gods, and forbid the practice of Jewish ritual.

The Jews revolted, under the leadership of the Maccabees, and won the first war ever fought for religious freedom. To celebrate, they cleaned the Temple, rededicated it, and kindled the perpetual light. This festival, which means dedication, continued for eight days — and is still a week-long celebration.

Jews all over the world have been lighting candles and exchanging gifts for eight days to commemorate that ancient victory.

Christmas cantata scheduled Dec. 14

A Christmas cantata presented each holiday season as a gift to the community by members of the Protestant congregation's choir at the All Faith Chapel has been scheduled on Sunday, Dec. 14, starting at 10:15 a.m.

This all-musical service will be directed by Mrs. Dovie Leonard, who will be leading the 45-member choir in a presentation of "Love, Joy and Peace," a cantata for Christmas that was written in 1973 by Tom Feltke.

The choir will be accompanied by Ray Blume, the chapel organist, and Mrs. Joan Fowler, at the piano.

Everyone is invited to attend.

The Rocketeer

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DEADLINES:
News Stories Tuesday, 4:30 p.m.
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Phones 3354, 3355, 2347



Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center must contact the Employment-Wage and Classification Division, Code 452, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 454 or 457). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WO, WL and WS positions are defined in CSC Handbook X-118C.

Writer (Printed Media), GS-1062-9, PD No. 7453054, Code 5304 — Located on the Rocketeer staff of the Technical Information Department, incumbent gathers data, assembles facts and writes articles for publication in the Rocketeer. Incumbent selects photographs for publication, proofreads typewritten material and repro copy, writes headlines, prepares make-up dummies, and checks the work of the printer. **Job Relevant Criteria:** Skilled in writing articles and headlines. Experience in proofreading and journalistic make-up, lay-out, paste-up, and photo cropping. Knowledge of all phases of offset printing. This is an intermittent position.
File applications for above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Pipefitter Helper, WG-4204-5, JD No. 478, Code 4553 — Assists journeyman in duties involving fabrication, installation, maintaining and repairing piping systems. Assists in the installation, repair and adjustment of temperature, flow and pressure control valves. Will participate in a prejourneyman development program. **Job Relevant Criteria:** Reliability and dependability, shop aptitude and interest, ability to follow direction, in shop, dexterity and safety, ability to work as a member of a team. **Promotional Potential:** Can advance to Pipefitter, WG-10.

Equipment Mechanic, WG-5352-10, JD No. 285-1, Code 4553 — Does installation, repair and maintenance of propellant equipment in the China Lake and Salt Wells laboratories of the Propulsion Development Department. Equipment is used in the research and development of propellants, explosives, pyrotechnics and related materials. **Job Relevant Criteria:** Ability to install, maintain, overhaul, repair and test-run mechanical equipment. Ability to read and interpret blueprints, sketches, etc. Ability to troubleshoot pertinent equipment. Ability to use hand tools and measuring devices. Ability to work with no more than normal supervision.

Supervisory Chemist, GS-1320-13, Supervisory Physicist, GS-1310-13, Supervisory Mechanical Engineer, GS-830-13, PD No. 73451246, Code 4541 — Incumbent will serve as Head, Explosives Branch, Advanced Technology Division, Propulsion Development Department. **Job Relevant Criteria:** Ability to understand explosive phenomena and effects, application of explosives and explosives processes to new weapons systems, extensive knowledge of safety programs as applied to the handling, processing and testing of explosives.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2392.
Clerk-Typist, GS-322-3/4, PD No. 755025AM, Code 5542 — This position is located in the Engineering Support Branch, Fleet Engineering Division, Engineering Department. Incumbent provides clerical and typing support to branch personnel, acts as a receptionist, maintains files, prepares travel orders, and makes travel arrangements. **Job Relevant Criteria:** Ability to type efficiently and accurately. Ability to get along with others in work group. Ability to understand and use pressure. **Note:** Previous applicants need not apply.

Model Maker Leader, WL-4714-14, PD No. 7455184, Code 5548 — Located in the Engineering Department. Incumbent provides administrative direction to model makers and technical and administrative direction to

sheet and plate metal workers and sheet metal mechanics. Also performs as model maker. Leader duties include assigning work, setting priorities, keeping supervisor informed of progress, and providing sufficient supplies, tools, and equipment to subordinates.

File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.

Maintenance, Foreman, WS-4740-11, Code 70 — Qualifying trades at the journeyman level WG-9 and above are listed in the examination announcement. Also included are shop planners, planners and estimators, inspectors, and maintenance schedulers. Applicants must attain basic eligibility by having a background which demonstrates sufficient trade or technical knowledge to supervise at the first full level of supervision and possess enough knowledge and abilities in the following elements to perform the duties of the position in the trades supervised: Ability to supervise, technical practices; ability to interpret instructions, specifications, etc.; knowledge of materials, and knowledge of pertinent tools and equipment. **File SF-172 and Supplemental Wage Grade Supervisory Information Sheet with the Special Examiner, Code 452, no later than Dec. 22, 1975. Forms may be obtained in the Personnel Bldg., Rm. 100.**

For additional information, contact Betty Geisler, Ph. 2457.

Accounts Management Clerk, GS-536-3/4, PD No. 7117321-2 or 7117326-2, Code 5842 — Position is located in the Cost Accounting Branch. Incumbent receives and processes purchase documents. Validates outstanding vouchers and outstanding accounts payable for assigned segments of accounts. **Job Relevant Criteria:** Knowledge of accounting clerical methods and procedures. Ability to meet deadlines. Ability to work rapidly and accurately. **Promotional Potential:** GS-5 Accounting Technician.

File applications for the above with Dora Childers, Bldg. 34, Rm. 204, Ph. 2476.

Plasterer, WG-3405-09, JD No. 442, Code 70426 — Incumbent applies plaster, cement, stucco, or similar material to walls, ceilings, and other surfaces to provide insulation, weather-proofing or decorative surfaces in the construction, maintenance, and repair of buildings. **Job Relevant Criteria:** Technical practices. Ability to interpret instructions, specifications, etc. Measurement and layout. Tools and equipment. Dexterity and safety. Knowledge of materials. Ability to do the work with no more than normal supervision.

Pneumatic Tools Operator, WG-5732-04, JD No. 319, Code 70426 — (2 vacancies) Operates various pneumatic tools to break up or drill hard surfaces such as concrete, asphalt and masonry. **Job Relevant Criteria:** Ability to do the work of the position with no more than normal supervision. Ability to use hand and power tools. Operation of motor vehicles. Dexterity and safety.

Cement Finisher, WG-3402-08, JD No. 178-1, Code 70424 — Finishes concrete and similar material to construct floors, walls, streets, sidewalks, columns, plaster and other related concrete and masonry type work. **Job Relevant Criteria:** Ability to do the work of the position with no more than normal supervision. Technical practices. Ability to read and interpret blueprints, instructions, specifications.

(Continued on Page 7)



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

CONFESSIONS
Daily 1115 to 1130
Saturday 1615 to 1645
Sunday 0800 to 0825
Wednesday 1830 to 1930

RELIGIOUS EDUCATION CLASSES
Sunday Kindergarten thru 6th grades 1015
Pre-school 1130
Wednesday First through eighth 1530
(Junior High) 1900

Above classes are held in Chapel Annexes across from Center Restaurant.

As announced "In Home" Discussion Groups Monthly Youth Rallies

Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING — ALL FAITH CHAPEL
Sabbath Services every Friday 2000

UNITARIANS
CHAPEL ANNEX 95
Sunday Services — (Sept.-May) 1930

Burros win again . . .

(Continued from Page 6)

room he needed, and scampered 69 yards for a touchdown. Charlton got the call to carry the ball on the PAT try and blasted over from the 2-yd. line for 2 points that gave the Burros a 21-2 lead at halftime.

Neither team was able to score in the third period play and the see-saw battle continued more than half way into the final quarter when Blanche electrified the Burros' fans by scooting 68 yards for a touchdown on a punt return. The successful PAT by McDowell boosted the score to 28-2 in favor of Burroughs.

Continuing to take to the air during the closing moments of the game, the Gahr Gladiators found their efforts to score once again frustrated by the sterling Burros' defense when Stanton popped up to intercept a pass and run it back 40 yards for the game's final touchdown. McDowell was again successful on the PAT to make the final score Burroughs 35, Gahr, 2.

Score by quarters:

Burroughs	13	8	0	14	— 35
Gahr	0	2	0	0	— 2

Racketball tourney next event slated for Admiral's Cup

The Admiral's Cup athletic competition will continue next week with a round robin racketball tournament on Monday, Tuesday and Wednesday.

Five-man teams from NWC, NAF and VX-5 will play 5-game matches against each other with the team winning the most matches declared winner.

In the overall Admiral's Cup competition, after sporting events in bowling, water polo, golf, flag football and skeet shooting and pistol marksmanship, NAF leads with 17 points, followed by NWC with 15 points and VX-5 with 13 points.

Wilt's Corner . . .

(Continued from Page 6)

In addition, all benches and sit-up boards have been covered, and weight racks have been installed.

Many persons have started using the weight room since the new equipment has been added.

The weight room is open Monday through Friday from 11 a.m. to 1 p.m. and 4 to 9:30 p.m. and on Saturday and Sunday from 11 a.m. to 6:30 p.m.

Promotional opportunities..

(Continued from Page 2)

etc. Measurement and layout. Dexterity and safety. Ability to use hand tools and related equipment.

Machinist, WG-3414-10, JD No. 382, Code 70423 — Performs all types of general machinist work involving machine tool operation and the assembly, installation and bench work required in the construction and repair of mechanical parts and assemblies. Works from blueprints, sketches, samples, and verbal instructions. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision. Knowledge of machinist theory and related mathematics. Ability to set up, lay out work, and operate machines and their accessories. Ability to use hand tools and precision measuring devices. Dexterity and safety. Ability to interpret blueprints, specifications, and technical data. Knowledge of materials utilized in machinist trade.

File applications for the above with Terry Rowell, Bldg. 34, Rm. 212, Ph. 2922.

Secretary (DMT), GS-318-5, PD No. 7150044, Code 334 — This position is division secretary of the Development Division II of the Fuze Department. The position involves the duties of receiving and distributing all incoming mail, receiving incoming calls and visitors to the division office, maintaining division personnel records, keeping supervisor abreast of administrative deadlines and potential problems, maintaining filing system, etc. These duties require the incumbent to have a general understanding of the division's work. **Job Relevant Criteria:** Telephone answering skills, ability as dictating machine transcriber, ability to type efficiently and accurately, reliability and dependability.

Clerk-Typist, GS-322-3/4, PD No. 7533123, Code 3342 — May be filled on either a full-time or an intermittent basis. This position is in the Development Division II of the Fuze Department. Duties and responsibilities include maintaining files, typing travel orders, official letters, technical reports, etc. Receives and routes incoming telephone calls and mail. **Job Relevant Criteria:** Ability to operate an IBM magnetic selective typewriter, receptionist abilities, telephone answering skills, reliability and dependability.

Clerk-Typist, GS-322-3/4, PD No. 7533084-1, Code 335 — May be filled on either a full-time or an intermittent basis. This position is in the Electromechanical Division of the Fuze Department. Duties and responsibilities include performing clerical duties such as maintaining files and typing travel orders and vouchers, stub requisitions, official letters, reports, and general correspondence of a highly technical nature. **Job Relevant Criteria:** Must be a

qualified typist. Knowledge of Navy correspondence procedures. **NOTE:** This position is located in the Salt Wells area.

File applications for the above with June Adams, Bldg. 34, Rm. 210, Ph. 3271.

Mechanical Engineer, GS-830-9/11/12, or Aerospace Engineer, GS-841-9/11/12, PD No. 7440229, Code 4041 — This position is located in the Aerothermodynamics Branch, Systems Development Department. The incumbent will conduct analytical and experimental investigations in the areas of heat transfer, fluid and gas dynamics, thermodynamics, and high temperature material applications. These investigations are performed as part of exploratory development programs and in support of NWC weapons development programs. **Job Relevant Criteria:** Basic knowledge of thermodynamics, heat transfer, and fluid and gas dynamics. Experience in digital computer programming.

Clerk-Typist, GS-322-3/4, PD No. 7540047, Code 4022 — This position is located in the Advanced Gun Concepts Branch of the Systems Development Department. The incumbent will provide clerical assistance to the branch and division offices. Duties will include typing of both technical and non-technical correspondence, reports, memos, travel orders and other duties as assigned. **Job Relevant Criteria:** Ability to type accurately and efficiently. Ability to communicate effectively with people in person and on the telephone. Ability to get along with others in a work group.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Administrative Officer, GS-341-9 or 11, PD No. 7384004, Code 4049 — This position is located in the office of the Director of the Security Department. The incumbent serves as head of staff of the Security Department and carries out management decisions, policies and procedures. Incumbent analyzes work flow and determines the most efficient method of accomplishing work, completes and submits department budget, and monitors funds throughout year. Recommends personnel policies and procedures to the director. Coordinates with the Personnel Department — recruitment, position classification and training. Conducts studies to assure optimum utilization of department resources. **Job Relevant Criteria:** Must have thorough knowledge of management principles. Must be able to deal effectively with all levels of Center personnel. Must have experience in establishing administrative policies.

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, Ph. 3257.



Holiday Hints



NATIONAL FIRE PROTECTION ASSOCIATION
... moving mankind toward safety from fire.
470 Atlantic Avenue, Boston, Massachusetts 02210



Fire Div. offers holiday season safety hints

(Editor's Note: The following open letter to parents gives suggestions from NWC's Fire Division for preventing fires in the home during the upcoming holiday season.)
Dear Parents:

Holiday hints is our introduction to a new kind of service designed to help us bring safety tips to you and the community that we protect.

As temperatures drop, home fire dangers rise! Although Fire Prevention Week is the traditional time to promote the dangers of fire and how to avoid fire, the message needs hammering home during the entire winter season because the bulk of tragedies happen especially at this time.

Six Basic Holiday Hints

Basically, there are six holiday hints we wish to emphasize during the holiday season: Decorations, lighting, Christmas trees, small children, wrappings, and smoking.

1. Decorations: Use flame retardant or non-combustible decorations. Untreated cotton batting, flock, tissue paper, and some foamed plastics catch fire very easily! Be creative . . . and eliminate these fire hazards before they are brought into your home. If using holiday Santa masks, whiskers or other costumes, be sure they are labeled "Flame Retardant."

2. Lighting: Temporary wiring has

always been a pet peeve of ours, and now that the temporary lighting season is here caution must be used. Inspect last year's lights very closely for worn insulation, loose bulb sockets, and broken plugs. If damaged, don't risk using them. Replace them!

Buy lighting sets approved by testing agencies. Plug into NO LARGER than 15 ampere circuits. Use extension cords sparingly. Prevent cord damage, do NOT place cord near foot traffic, through doorways or under rugs. Indoor electric equipment is not safe outdoors!

3. Christmas Trees: Buying an artificial tree? Plastic trees should be checked for their flame retardant label. Metallic trees should carry the UL label, especially if they have built in lighting. Use only indirect lighting from spotlights on metallic trees. Never hang lighting sets on a metallic tree because there will be the hazard of getting a shock.

Store Tree in Cool Place

If you are buying a freshly cut tree beware of any tree with brittle or shedding needles. If you store your evergreen prior to setting it up, keep it in a cool place with the tree base set in water. Be sure to cut off at least 1 in. of the tree trunk to help water absorption. Set up your tree in a sturdy, non-tip tree stand containing water.

An ideal stand for your tree is a bucket of moist sand. The tree trunk should be cut diagonally before placing it into the bucket of sand. Remember, your tree gets thirsty. Check the water level daily. When the water absorption stops, discard the tree immediately.

Consider adding guy lines to support a big tree or when displaying a tree outdoors. Keep the tree away from heat (radiators,

hot air ducts, TV sets, fireplaces, etc.) and never block a room exit with it. Never rely on self-applied aerosol sprays or other chemical treatments to protect your tree from fire. When you go out or to bed unplug your holiday lighting and tree lighting.

4. Small Children: Small children get very excited and super-charged during the holiday season. A few simple hints for you would be to tell the children the tree is OFF LIMITS and not to play too near to it. A MUST is to never leave the children alone even for "just a few minutes." Don't invite a fire tragedy!

Buy Fire-Safe Gifts

Before buying gifts make sure they are FIRE-SAFE! Electric toys should carry a testing agency label. Gasoline or other flammable liquid-operated toys are risky for young children. Avoid purchasing highly combustible toys and dolls.

5. Wrappings: If possible, pick wrappings up while opening gifts and put them into into a covered trash container. Never "bonfire" them in a fireplace. Don't give fire a PLACE to start!!

6. Smoking: Our special advice during holiday celebrating in conjunction with smoking is to never smoke near decorations. If you do smoke, have large ashtrays . . . where needed and empty them frequently. Before emptying them, set them aside until the ashes are cold (beware of dumping them into trash!) Before retiring, check for lost "butts" smoldering in upholstered furniture.

Holiday hints on safety from fire is our gift to you and the community. Have a joyous holiday season!

Fire Division
Security Department



FROCKING CEREMONY HELD — Capt. Conrad B. Olson, Commanding Officer of the Naval Air Facility, officiated at a recent ceremony during which two of the officers under his command received the rights and privileges of their next highest rank. During this frocking ceremony, those who moved up from lieutenant junior grade to lieutenant were Lt. Rodney M. Maskey, NAF's check crew officer, and Lt. George W. McFetridge, Jr., assistant target officer, who is shown being congratulated by Capt. Olson. In photo at left, the NAF Skipper was joined by Mrs. Maskey (Denise) as he pinned Lt. Maskey's new insignia of rank onto his shirt collar. Under current Navy policy, officers with the rank of commander and below who have been selected for promotion by Fiscal Year 1976 selection boards may assume the title and wear the uniform of the next higher grade, if they are serving in a billet of that grade or higher. They are not, however, entitled to the pay and allowances of the higher grade until they are actually promoted.

Burros Beat Gahr, 35-2; Sonora next in CIF

Rolling along at a five-touchdown-per-game pace in their first two victorious games of the Class 2A Division of the California Interscholastic Federation's 1975 playoffs, the Burroughs High School varsity football team will be on the road again tonight for round No. 3 of the CIF playoffs.

Fullerton High School will be the location of this next contest in which the Burros will be taking on the Sonora High School eleven. Kick-off time will be 8 p.m.

This past Friday, while the local varsity squad was having everything pretty much its own way steamrolling to a 35-2 win over the Gahr High School Gladiators, the Sonora Raiders eked out a 7-4 win over a tough San Clemente team to remain in the running for the Class 2A CIF grid title.

The Burros' defense, which gave up three touchdowns in the first CIF playoff game against Nordhoff (of Ojai), was expected to have its hands full against the gridders from Gahr High School, who had been rated 9th in the CIF's 2-A Division at the end of regular season play.

Top Effort by Defense

As it turned out, however, the Green and White defensive platoon turned in possibly its top effort of the season by accounting for one touchdown on a pass interception by Horace Stanton, who scampered 40 yards to paydirt late in the fourth quarter.

The Burros' defenders also rose to the occasion early in the game when the Gladiators drove to a first down on the Green and White 7-yd. line, but were unable to punch it over from there.

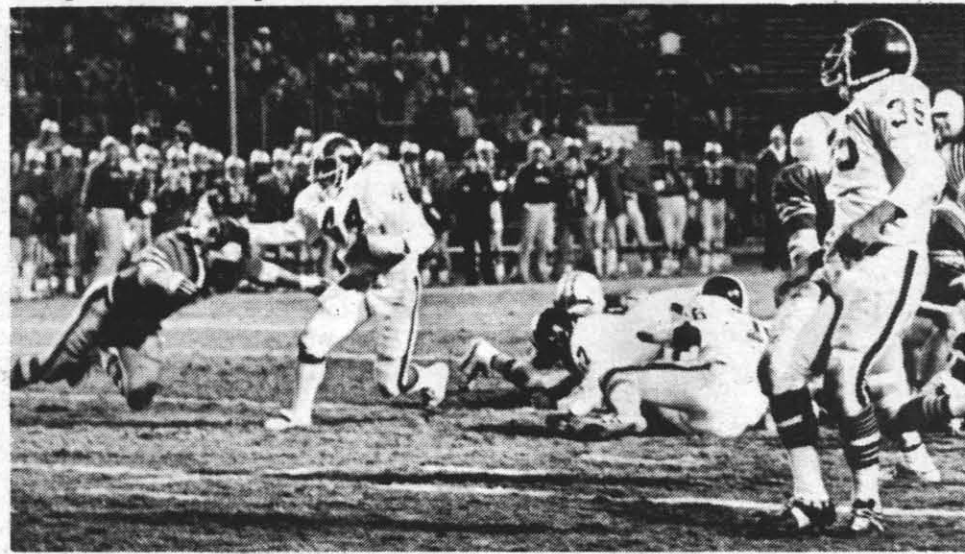
The only points the Gahr High School gridders could put on the board came about as the result of a safety in the second

China Lake Judo Club entries impressive in monthly tournament held at Barstow

Eight "Judokas" judoists from the China Lake Judo Club recently garnered one first place, three second places and one third place in the monthly "Shiai" judo tournament held in Barstow.

The local judo club members who competed in this event were Robert Black, Matt Compton, Leslie Leckey, Shaun Flynn, Warren Harter, John O'Brien, Larry Collins and Grant Self.

Leslie Leckey placed first in the girls' 12 to 15-year-old division; Robert Black placed second in the 10-year old boys'



ACE BALL CARRIER — Steve Blanche (No. 44), one of the Burroughs High varsity football team's trio of topnotch runners, plants his foot to cut inside and wards off a would-be tackler with a straight arm as he picked up a good gain on this play during the Burros' 35-2 win over Gahr High School. Blanche's contribution to the five-touchdown scoring spree in last Friday night's CIF playoff game was a 68-yd. punt return. Ken Charlton (No. 35), stellar fullback for the Burroughs High varsity, watches the progress of Blanche's run before moving into position to help out with a block.

quarter. Brian Carle, punter for Burroughs, was back to kick while the locals were deep in their own territory. The snap from the slipped through his hands, however, and Carle was downed trying to run the ball out of the Burros' end zone.

The Burroughs High varsity came up with another great performance on offense by rolling up more than 300 yards on the ground and nearly 20 via the aerial route, compared to a total net yardage of just over 222 for their opponents.

Penalties against the Gladiators were a factor in the game, as it was a roughing the kicker call that enabled the Burros to retain

possession of the ball and roll in for a score on a 72-yd. march after taking the opening kick-off.

Mark McDowell, again the leading ball carrier for Burroughs; Steve Blanche, halfback, and Ken Charlton, fullback, all figured in this initial scoring drive, but it was Charlton who plowed his way into the end zone for the tally when it looked like he was sure to be stopped short of the goal line. The PAT on a kick by McDowell was good and the Burros were off to a good start with a 7-0 lead.

Leading Ground Gainer

Near the end of the first period of play, the locals scored again when McDowell (who gained 133 yds. in 11 carries during the game) topped off a short drive by sprinting across the Gahr Gladiators' goal line on a play that boosted the Burros' lead to 13-0. This time, McDowell missed on the try for the PAT.

Gahr's only 2 points of the game came early in the second quarter. With Burroughs now in front, 13-2, the two teams battled on even terms throughout most of the time remaining in the second half before McDowell hauled in a punt around the Green and White 30-yd. line, found the running

Maryann Butterfield, Georgia Klassen, Judy Leckey and Vickie Black helped officiate. M/ Sgt. Ernest Smith, who sponsored the tournament, is currently coaching both the China Lake Judo Club and the nationally known Barstow Judo Club.



Wilt's Corner

Season now under way in Intramural Basketball League

By Wilt Wyman

NWC Athletic Director

The China Lake Intramural Basketball season started this week with 17 teams competing in three leagues.

In the Open league, six teams will play a double round robin schedule. At the end of regular league play, the top four teams will compete in a double elimination tournament to determine the winner.

All teams in the Open league seem to be evenly matched and very closely contested, and the top four spots should be hotly contested.

The Recreation league has been divided into two evenly matched divisions and league play should prove to be closely contested.

11th Naval Dist. Basketball

All military personnel interested in trying out for the NWC entry in the 11th Naval District basketball competition are asked to contact Lt. Ian Refo by calling ext. 5308 or Lt. Terry Allen, at ext. 5322. A sign-up sheet is also available at the gymnasium office.

Practice will begin soon in preparation for the 11th Naval District basketball tournament that is to be held at Long Beach in January.

Anyone interested in coaching the team should contact Wilt Wyman by calling ext. 2334 immediately.

Women's Fitness Program

"Trim your figure for Christmas" is the theme of this month's women's physical fitness program at the gym. The exercises planned will help trim and tone the figure. In the spirit of the holidays, exercises will be done in time to Christmas music.

Classes are held each Monday at 7 p.m. and on Thursdays beginning at 9 a.m. Women may join the classes at anytime.

Indoor Swimming Pool

The temperature of the water in the indoor swimming pool has been fluctuating for the past five weeks. Attempts are being made to maintain the ideal water temperature of 78 degrees by adjusting the heater and the water valve.

Weight Room

New equipment has been added to the weight room at the Center gym. A good variety of barbells, dumbbells and Olympic weights are now available for a complete workout. A wall pulley machine, an incline board and an incline bench also are ready for use.

(Continued on Page 7)

Entry date extended for youth basketball

The deadline to register for youth basketball competition during the coming season has been extended until tomorrow at 5 p.m.

All youngsters who register today and tomorrow will be placed on a reserve list and called as vacancies occur. The only exception to this will be in the case of players in grades 7 through 12 who are cut later from their school teams. If this happens, such players will be permitted to register and be placed immediately on youth basketball league teams.

The youth basketball program is open to boys and girls from 7½ years of age through the 12th grade.

Additional information can be obtained by calling Carol Hape at NWC ext. 2909.

Encounter Simulation Lab important asset . . .

Continued from Page 1)

simulated. Appropriate scaling factors for sensor wavelength, range, velocity, and target dimensions are worked out beforehand.

The target itself, since its support structure cradles it with very little strain and since the building protects it from adverse weather conditions, can be of extremely simple construction. Wood, foam, or fiberglass are the usual construction materials, with the completed model receiving a finishing coat of conducting paint and aluminum foil.

Adjacent to the model range is a room holding an automatic range control console and a console that records and displays encounter data. Range parameters for a given test are entered in the control system on punched cards. As data are generated by intercepts between the prototype fuze and the target, output data from the model range are recorded by three recorders for later reduction at NWC.

Radar output is recorded on an oscillograph recorder for immediate access and validation as well as on a 14-track analog tape recorder for remote processing.

Important Part of ESL Story

The remote processing is another important part of the ESL story. Although this is a unique and necessary facility, it is not an independent one but operates in connection with extensive functions conducted at China Lake.

"We construct specialized hardware and control software here at China Lake," Bulgerin explained. "Then when we are ready to test a fuze concept, we run a series of simulated fuze/target interactions at Corona and send the response data back to China Lake for reduction and analysis."

Responsible for operation of the ESL is the Systems Techniques Branch, headed by Lew Ballenger. Six NWC personnel make their home in Corona and work full-time at the ESL. Jerry Preston, the engineer in charge on-site, has become extremely familiar with a stretch of southern California highway in the course of weekly visits back to his home code at China Lake.

Demand Runs High

Demand for the unique service offered at the ESL keeps these Systems Techniques Branch personnel busy running as many as 125 encounters in an 8-hour shift. "Compare this to the 30 to 40 encounters possible in day-long flyover tests and you get part of the answer to why we are able to generate much more data for the dollar," Ballenger said.

"After the initial cost of setting up the simulation, an average cost of \$13.50 per encounter in the ESL," he added, "the data collected by this method is a tremendous bargain when it is compared to the average cost of over a \$100 per flyover or about a \$1,000 per pull-by intercept using other



CONTROL CONSOLE — An operator sets parameters for a fuze/target interaction at NWC's Encounter Simulation Laboratory. These parameters can be controlled either manually or from data cards containing pre-calculated values. The operator has full view of the range operation through an observation window and can start and stop the various functions of the range at any time during the intercept process.

facilities."

Ballenger pointed with pride to a number of the ESL's past successes. Tests at this facility of the target detecting device (TDD) for NAVAIR's AIM 7F/7E missile determined that designers' fears that the device needed antenna redesign were unfounded. For the Mark 45, developed for the Standard Missile under NAVSEA sponsorship, trigger points (points at which the explosion would be initiated) and statistical probability of false detonation were determined.

Other Successes Noted

When the Mark 15 TDD for the Sidewinder missile was tested here, the result was the first comprehensive collection of trigger points in over 15 years of active development and Fleet use. During 1974 data acquisition was completed for two major fuze programs: the Mark 15 TDD for the Navy and Army's XM817 fuze.

For the future, the Fuze Department plans to continue using the ESL to test the Navy's fuze concepts and to continue making this facility available to other agencies for efforts in consonance with NWC's mission.

"We also plan to extend versatility of the range by developing a general fuze modeling capability to include ship targets in addition to the current air target capability," Bulgerin said. "A simulated sea surface is being constructed that will allow us to measure fuze reaction to the surface of the sea."

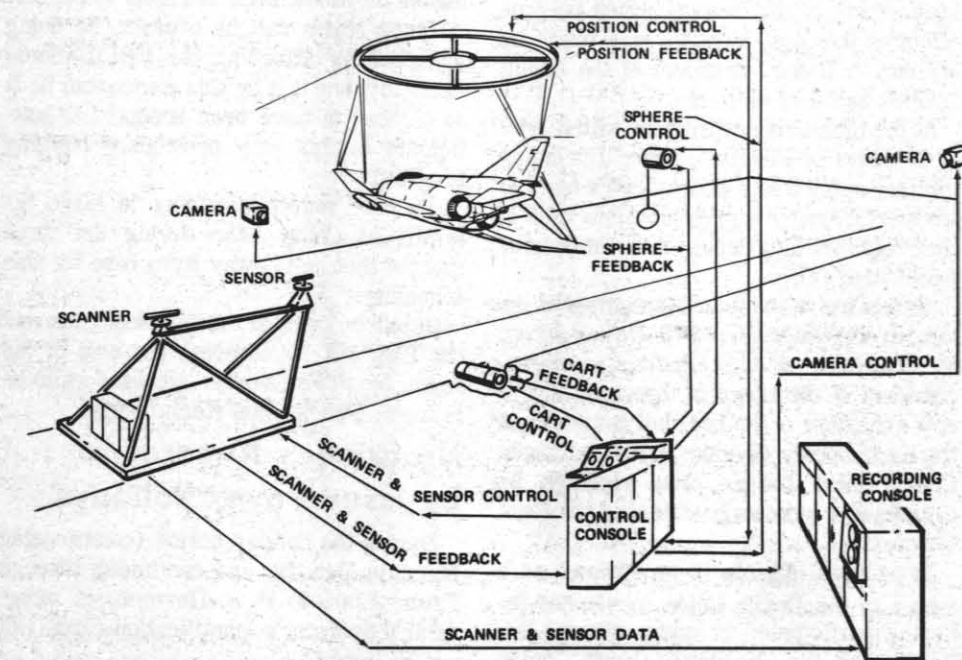


DIAGRAM OF ENCOUNTER SIMULATION — This diagram of the Fuze Department's model range shows the interrelationships that occur in a simulated fuze/target encounter. Guided by the range control console (lower center), the prototype fuze (on the sensor transporter at left) moves past the target model at a controlled speed. Cameras and scanner record intercept geometry data for later analysis of the encounter's success.

Deadline near for first summer job exam applications

The U. S. Civil Service Commission has released advanced information regarding the 1976 Summer Employment Examination.

Applicants who wish to take the test for the first time, or who wish to retake the test to try to improve their score are required to file an application with the Civil Service Commission. The test schedules are as follows:

Those whose applications are received by Dec. 12 will be scheduled for the test to be given during the month of January 1976. In the case of applications received after Dec. 12, tests for such persons will be scheduled during the month of February 1976. Applications postmarked after Jan. 16, 1976, will not be accepted.

Applicants who qualified for summer employment in 1975 may re-establish eligibility for 1976 without having to retake the written test. However, such applicants will not automatically be sent updating forms as in previous years. They will have to request that the updating forms be sent to them. They may do this by sending the tear-out application form which is included in the 1976 Summer Employment Announcement.

Applicants may no longer be considered for summer employment based solely on their high grade point average. Those who qualified for summer employment in 1975 based on their grade point average may not renew this eligibility. Instead, they must pass the summer employment written test to qualify for jobs in 1976.

Application forms are available at the NWC Personnel Department's receptionist desk. For additional information, contact the Summer Employment Coordinator by calling ext. 2857.

Xmas dinner tickets go on sale Monday

Tickets will go on sale Monday in the Food Service Office (located adjacent to the Enlisted Dining Hall on King Ave.) for a special Christmas dinner that will be prepared and served by personnel of the Navy's main galley.

Due to the limited seating capacity, just 300 Christmas dinner tickets will be sold at a price of \$2.40 for civilians and military officers, \$1.25 for children under 12 years of age, and \$1.50 for enlisted military personnel on Comrats.

A complete meal that will include roast turkey, steamboat round, potatoes, vegetables, soup, salads, desserts and drinks will be served.

New water-saving shower heads to be installed soon

A contract has been awarded for the replacement of all shower heads in occupied housing units on the Naval Weapons Center, as well as in all presently unoccupied housing units that the Center plans to retain.

According to the Officer-in-Charge of Construction, a new "ecology" shower head that is designed to save a considerable amount of water over the years, will be substituted for those presently in use.

China Lake residents will be given ample notice regarding when the contractor will be at their quarters to make the changeover, and everyone's cooperation is requested.

The contract requires that the old shower heads that are to be removed be collected and delivered to the inspector. For this reason, tenants who have installed their own shower heads and wish to keep them are asked to remove them now and reinstall the original government equipment.



GOLF TEAM RECEIVES JACKETS, TROPHIES — Members of the NWC golf team recently received jackets and trophies for winning the Mojave Desert Interservice League golf tournament in September. Wilt Wyman (at left), NWC athletic director, is shown presenting Max Smith (center), senior division winner, and Dick Clay (at right), open division winner, with their jackets and trophies. Other members of the team were Ed Judge, Curt Bryan, Luke Thomas, John Faron, Gary Castor, Phil Sprankle, Bob Hooper and Gary Wydra. The golf team's win helped NWC win (for the first time) the MDSL individual and overall sports trophies that are now on display at the Center gymnasium. —Photo by Ron Allen



BIG BOOST FOR CFC—A welcome contribution to the recently-concluded Combined Federal Campaign was presented last week by Alice Zilmer to Ralph Schwarzbach, chairman of the annual fund drive. Looking on at right is Capt. R. D. Franke, NWC Deputy Commander. Mrs. Zilmer, who is treasurer of the Thrift Shop, an activity sponsored by the Women's Auxiliary of the Commissioned Officers' Mess, turned over a check in the amount of \$1,400 to the CFC campaign chairman. The money was raised from a wide variety of items sold throughout the past year at the Thrift Shop.

—Photo by Ray Hocker

Program stressing safe driving over holidays scheduled

In preparation for the busy Christmas and New Year's Day holiday season, a special program with emphasis on safe driving will be held at the Center Theater.

The program, which is open to all civilian employees and military personnel, as well as their dependents, will be held on Monday, starting at 3 p.m., and will be repeated on Tuesday at 10 a.m.

The speakers, Sgt. Mike Dunlap, a California Highway Patrol officer, and Steve Kaupp, China Lake chief of police, will discuss "Citations and Accidents, and How To Avoid Them."

The purpose of this program is to provide local area residents with information regarding the types of motor vehicle driving citations that are being written here, and the kinds of accidents that have been taking place. In addition, safe driving tips intended to enable motorists to avoid accidents will be presented.

Ample time will be allowed for answers to questions from the audience, officials of the NWC Safety Department promised, adding that this will be a good opportunity for individuals to ask questions that might have been overlooked the last time they were stopped by a traffic law enforcement officer.

"Give your family the best present of all this Christmas and New Year's Holiday season — no accidents," Safety Department spokesmen urge all local residents.

WACOM-sponsored Children's Fair planned Saturday

A Children's Fair, for youngsters from throughout the local area, will be held tomorrow from 10 a.m. to 2:30 p.m. at the Commissioned Officers' Mess.

The idea behind this event, which is being sponsored by the Women's Auxiliary of the COM, is to offer enterprising young people an opportunity to sell their used toys that are still in good condition to other young patrons at the Children's Fair.

The Children's Fair will be open exclusively to dependents of WACOM members from 10 a.m. to 12:30 p.m., and will be open to the public for the remaining two hours.

A lunch priced at 50 cents for children will be served at noon, and there will be entertainment by clowns and acrobats during the 4½ hours that this event is being held.

An "open gate" policy will be in effect at the NWC main gate to enable youngsters who do not reside at China Lake to attend and enjoy the Children's Fair, Sandy Kern, the chairman, stated.

Police Chief Steve Kaupp invited to attend FBI National Academy

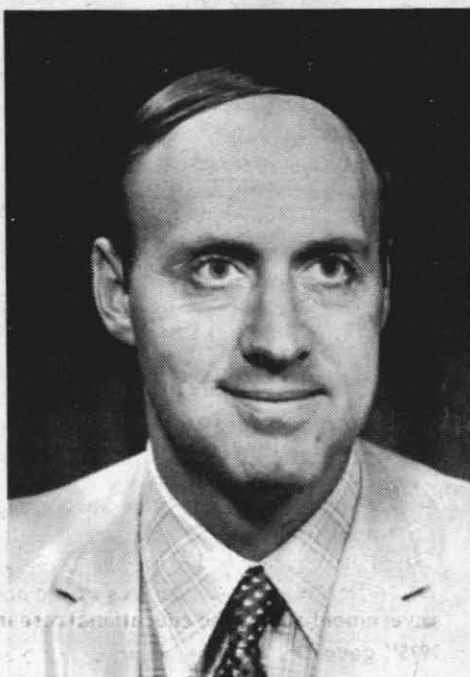
Word that he has been accepted to attend a three-month course at the Federal Bureau of Investigation's National Academy in Quantico, Va., was received this week by Steve Kaupp, chief of police at China Lake.

Police Chief Kaupp will be leaving here on Jan. 3, at which time C. A. L. Mitchell, assistant chief of police, will be the acting chief of police until he returns in late March.

W. E. Davis, head of the NWC Security Department, expressed his pleasure regarding the selection of Kaupp to attend the FBI Academy. "I'm quite happy to have the chief of police selected for this training, which is considered to be quite an honor," Davis said. "I feel that this in-depth type of training will be of considerable benefit to the Naval Weapons Center in the long run," he added.

Attending the FBI's advanced school for instruction in management and administrative matters, as well as a number of how-to-do-it police courses, is something that Kaupp has been looking forward to for almost two years.

Applications are submitted on behalf of the individual by the particular government agency for whom he works, and the FBI



Police Chief Steve Kaupp

then conducts a background investigation which includes an assessment of the applicant's educational achievements and the position that he holds.

Those who are accepted receive a personal invitation to attend from the Director of the FBI who, at the present time, is Clarence Kelly.

Expects 200 To Attend

Kaupp anticipates that he will be in a group of approximately 200 law enforcement officials from all parts of the U.S. and some foreign countries who will be receiving concentrated instruction in forensic science, behavioral sciences, education and communication arts, law and management science, plus the daily routine of police crime prevention and investigative work.

Kaupp, who has been head of the Police Division in the NWC Security Department for the past 4½ years, hopes to make use of this valuable training not only to further his knowledge and ability as a police administrator, but also will be able to apply a certain portion of it toward the credits he needs to earn a master's degree under the University of Southern California Master's Program in Public Administration.

Chiefs Need Training Too

Kaupp firmly believes that, in the area of training, a major problem facing law enforcement today is not at the basic or intermediate levels, but is at the executive level. The street officer is expected to be continually bettering himself through education and the same should apply to the higher positions, such as chiefs of police.

Kaupp states that he hopes to be doing just that by attending the FBI National Academy, and it is for this reason that he is so pleased to have been accepted to participate in this very prestigious training program.

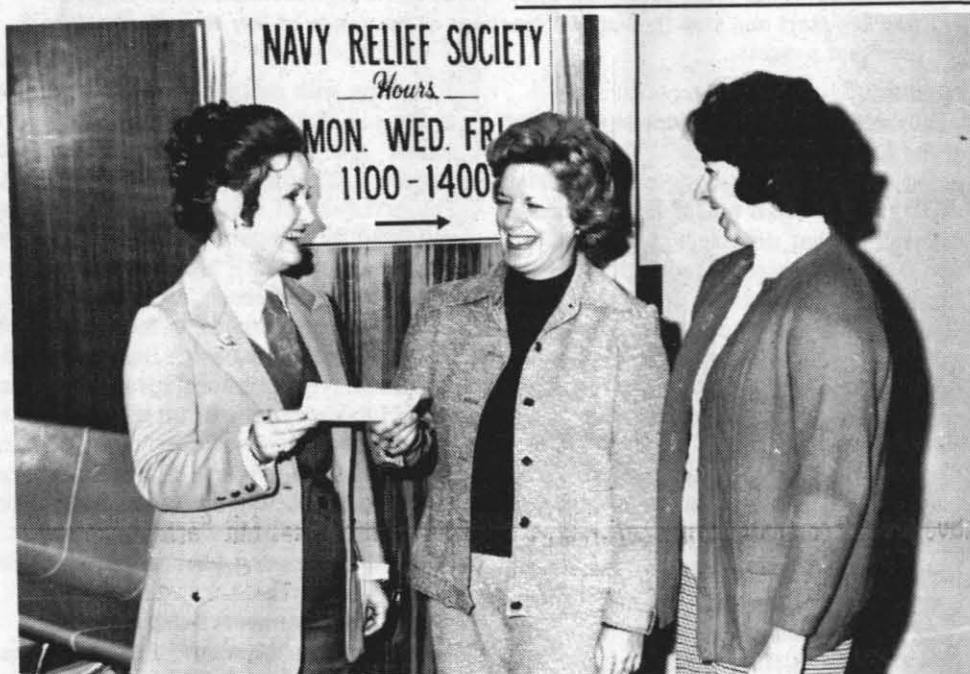
His only regret is having to leave his family at China Lake during the three months that he is away from here for this schooling.

He will be living at the FBI Academy, and the FBI will be covering the cost of his room, board and similar expenses while he is there, Police Chief Kaupp added.

No driver's ID cards to be issued over holidays

During the holiday period (commencing Monday, Dec. 22, and continuing through Friday, Jan. 2) U. S. Government motor vehicle operator's identification cards will not be issued.

Therefore, such cards expiring during December should be renewed prior to Dec. 22. Naval Weapons Center employees who have questions regarding renewal of the government motor vehicle operator's card can obtain additional information by calling ext. 2037 or 2362.



NAVY RELIEF SOCIETY AIDED—A check in the amount of \$1,400, representing half of the money raised throughout the past year by the WACOM-operated Thrift Shop, was presented last Friday by Mrs. Hazel Miller (in center) one of the co-chairmen of the Thrift Shop, to Mrs. Shirley Franke, who accepted it with gratitude on behalf of the Navy Relief Society. Looking on at right is Mrs. Dana Castillo, another representative of the Navy Relief Society. Mrs. Sherry Scheber, co-chairman of the Thrift Shop with Mrs. Miller, was unable to be present for the photo. All contributions of clothing and household goods donated to the Thrift Shop are sold at a nominal price to patrons, and the net proceeds are then designated for charitable purposes. The Thrift Shop co-chairmen and their co-workers all volunteer their time for the benefit of the community.

—Photo by Ron Allen

Arriola leaves Civil Service for post of Credit Union general mgr.

William A. Arriola, an employee at China Lake since 1966, retired from Civil Service this week to take over his new duties as general manager of the Naval Weapons Center Federal Credit Union.

Arriola replaces Gary L. Grissett, the Credit Union's general manager since last April, who resigned recently. An-



William A. Arriola

nouncement of the change, which became effective this past Monday, was made by William J. Baker, president of the Credit Union's board of directors.

At the time of his retirement with a total of 25 years of Federal service (including military service as a pharmacist's mate in the Navy), Arriola was employed as head of the Program Plans Group under the Systems Acquisition Office.

Arriola has been an active member of the local Credit Union since 1968. He has served as chairman of the Credit Committee, president of the board of directors, and is now a member of the board of governors of the Kern County Chapter of the California Credit Union League. Just recently, he completed a term as president of the Kern Chapter.

In addition, Arriola is well known as a leader in the Credit Union movement for having participated in many training activities of the National Credit Union Managers' Association and the Credit Union Executive Society.

He also is closely associated with the National Credit Union Administration, and has worked with regional directors in both formulating and interpreting Credit Union policy.



GOLDEN TIME IN EGYPT—Dr. Richard Meyers, acting president of Cerro Coso Community College, will give a multi-media film slide presentation entitled "An Egyptian Mosaic" in the college Lecture Hall tonight at 8 o'clock. In the presentation Dr. Meyers incorporates music and narration with photos he took during a government-sponsored educational research project trip to Egypt. "Project Egypt 1975" gave Dr. Meyers, along with 21 other educators, an opportunity to view Egypt as official representatives of the United States government. The all automatically-programmed presentation is a report about Dr. Meyers' observations during the six week visit. There is no admission charged for the program. However, reservation tickets are required and may be obtained at the Gift Mart, the Station Pharmacy at China Lake, or at the college business office.

Happenings around NWC

Enrollment forms for a course entitled "Creative Problem Solving for Secretaries," must be sent via proper department channels in time to reach Code 654 no later than 4:30 p.m. today.

This course, which is to be held Dec. 15, 16 and 17 at the NWC Training Center, is designed to help participants sense problems in their work, studies and personal lives and to properly define and attack these problems through creative problem-solving and decision making techniques.

Robert Adler, a management consultant, will be the instructor.

Dinner-Dances Planned

George Barnard, manager of the Chief Petty Officers' Club, has scheduled a big weekend of dining and dancing starting tonight and continuing tomorrow night.

The "Harrison Key" Band, from Los Angeles, will provide the music for dances that are scheduled from 9 o'clock until 1 a.m. each night.

Prime rib will be featured in the dining room tonight and turf and surf will be on the menu tomorrow night.

"All members and their guests are invited to attend these dinner-dances," Barnard said.

Special Orders Accepted

Special orders for uniforms and uniform items are now being accepted at the Navy Exchange Uniform Shop. All that is required to place a special order is to tell the sales clerk what items are desired, and she will include them on the regular monthly orders.

When the specially ordered items arrive, the sales clerk will notify, by telephone, the individual who placed the order.

Got a Problem?

Got a problem?

If it relates to the China Lake community, then the person to call is a member of the China Lake Community Council board of directors.

Following are the names of the Community Council board members and their phone numbers:

Robert Fletcher	446-7251
Bob McCarten	446-2457
Aletha Benson	446-2739
Don Cook	446-3355
Robert Kaufmann	446-4167
Dick Mahan	446-6424
Gail Richards	446-4208
Rudy Shepard	446-2219
Jim Walden	375-4700
Wilt Wyman	446-2310

Nominees sought for Leadership Assessment Development Program

Nominees will be solicited from various departments at the Naval Weapons Center on Monday for the third NWC Leadership Assessment/Development (LA/D) Program that is to be conducted Jan. 25 to 30 at Stallion Springs Lodge near Tehachapi.

Designed for employees at the GS-12 and GS-13 level who are identified by their departments as having strong management potential, the LA/D Program evaluates an individual's management skills through personal inventories and tests, individual and group problem solving exercises, in-depth interviews with staff members, and short oral presentations.

To date, 24 NWC employees have completed the programs conducted in July and October 1975.

Two-Part Program

The week-long program is divided between two days spent in management-related activities for evaluation and 2½ days of involvement in career development activities, discussing overall evaluation and planning developmental activities.

The program can help participants better understand what they want from their career, take control over factors which will provide career growth, increase their awareness of capabilities for current and future responsibilities, and assist them in becoming aware of career alternatives.

Staff members are experienced NWC line managers and behavioral science specialists who evaluate the individual in group problems solving exercises and one-on-one interviews.

Value of Report

This report is reviewed with the participant during a feedback interview. One recent participant stated, "I feel I was evaluated unbelievably accurately." Another participant felt "assessment was very valuable—it provided data on both strong and weak characteristics, thus indicating areas for improvement as well as reinforcing self-concepts."

The career planning activities closely relate to the evaluation activities. A participant stated, "Since I was considering management when I came, the assessment part would have been of little value without the development (application part)."

A master copy of the report is kept in Code 654 files apart from the official personnel records. Each participant receives his/her personal copy approximately three to four weeks after the session. After reading the report, he/she will share it

with his/her manager in order to develop an action plan relevant to his/her career plans.

Center management is committed to facilitate activities involved in achieving established objectives. Long-range follow up on the participant's progress will be conducted by Code 654.

Individuals desiring to participate in the LA/D Program should make their interests known to their immediate supervisor. For additional information, contact the LA/D Coordinator by calling ext. 2359, Code 654.

Sign-ups for college spring semester classes begin Mon.

Registration for the Spring semester at Cerro Coso Community College will begin Monday in the college Lecture Hall.

Continuing students will get the first crack at registering for classes to be offered during the new semester.

Registration of continuing students will be handled on Monday and Tuesday from 2 to 6 p.m. Those whose last names begin with the letters L through Z will be registered on Monday, while other continuing students with last names that begin with the letters A through K will be signed up on Tuesday. New students only will be registered next Wednesday, also from 2 to 6 p.m.

Open registration, without regard to student classification or alphabetical listing, will be held next Thursday and Friday, Dec. 11 and 12, in the college administration lobby from 2 to 6 p.m. on Thursday and 1 to 4 p.m. on Friday. Open registration also is scheduled Monday through Wednesday, Jan. 5 through 7, from 3 to 6 p.m. in the Student Center.

Dr. Donald Rosenberg, acting dean of instruction, has announced that approximately 35 new daytime courses (out of a total of 75) will be offered during the Spring semester. In addition, 100 courses are scheduled during evening hours. Bicentennial Cookery, Basic Horticulture, Ecological Anthropology and Children's Theater are among the new courses that will be offered.

Students are advised to register as early as possible, since many courses will be filled to capacity during the first few days of registration. A \$5 Associated Student Body membership will be charged.

New dept. head . . .

(Continued from Page 1)

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

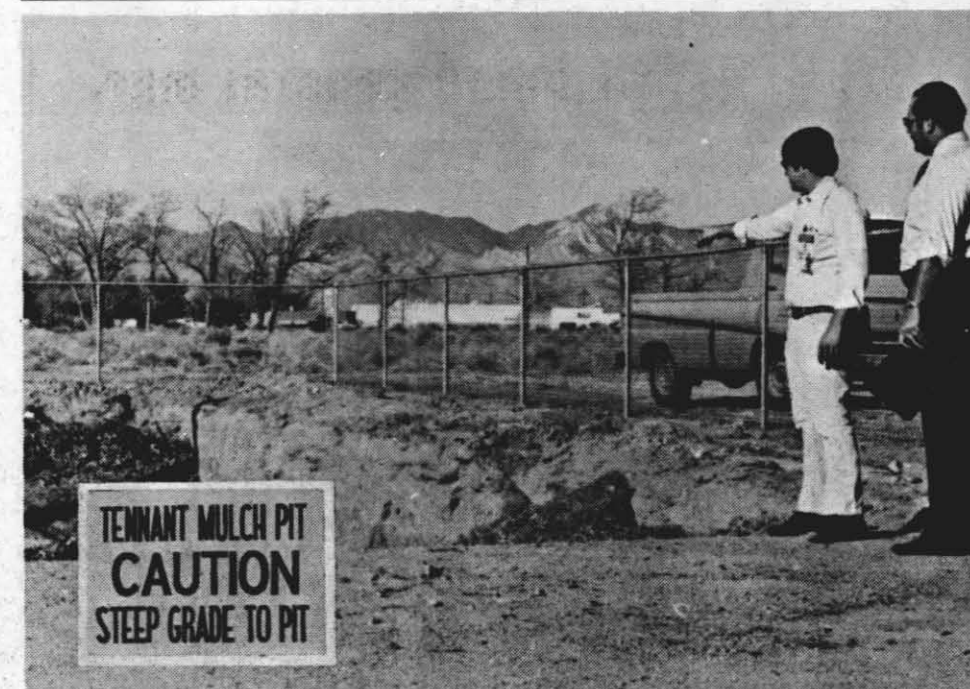
In February 1972, Mrs. Bien was chosen to head a service division within the Personnel Department and supervised the work of the department's many personnel management advisors. She remained in that position until September 1973 when the Personnel Department was reorganized and she was singled out to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

Was Acting Dept. Head

Mrs. Bien has been the acting head of the Personnel Department since the departure of Harrison this past August.

A native Californian, she was born in Hanford and was graduated from high school there before moving on to the University of California at Berkeley, where she received a bachelor's degree in personnel management in 1958.

Since joining the work force at China Lake, Mrs. Bien has earned a master's degree under the University of Southern California Master's Program in Public Administration. Instead of writing a thesis for her master's degree, however, she elected to take three additional courses pertaining to the management of a research and development activity or organization.



MULCH PIT COMPLETED—A leaf and mulch pit, located at 10th Pl. and Farragut St. (in the old trailer park area south of the Public Works Department compound) is now available for use by China Lake residents. Any NWC resident is welcome to remove mulch from the pit for use at his residence on any day of the week. As a safety precaution, however, it is recommended that this be done only during daylight hours. Shown looking over the mulch pit is Pete Dietrichson, an inspector in the Public Works Department's Maintenance Service Branch, which is headed by Jim Upson (at right). Inset into the photo is a sign that warns users about the steep grade into the pit. Additional information can be obtained by calling Upson at NWC ext. 2724.

—Photo by Ron Allen