



"CELEBRATION" REVELERS — The Reveler band in the Cerro Coso Community College production of "Celebration" rehearse a scene. They are (left to right) John Clark, Reno Venturi, Curtis Carroll and Tim Connaghan. Five performances of this college Drama 27 production will be presented. They are scheduled tonight and tomorrow night at 8:15, and also on Thursday, Friday and Saturday, March 16, 17 and 18.

Community College production 'Celebration' to open tonight

The Cerro Coso Community College Drama 27 production of "Celebration," a musical fable, will begin a five-performance run tonight at 8:15 in the college lecture hall. Other performances are scheduled at the same time and place tomorrow night and also on March 16, 17 and 18.

Alex Bellen, who won the Community Light Opera and Theater Association (CLOTA) best actor award for his role in the CLOTA production of "Fiddler on the Roof," will be seen in the part of "Potemkin," the narrator.

Bellen is employed in the NWC's Electronic Warfare Department and has appeared in seven CLOTA productions.

Other Center personnel featured in this musical, which is directed by Florence Green, include James Fitzgerald, who plays "Orphan," and Ken Markel, as "Mr. Rich." Fitzgerald has previously been in high school, college, and community theater productions, but this is his first musical. "Mr. Rich" is Markel's first singing role. He has previously appeared in Cerro Coso College productions.

Debbie Wood will portray the part of "Angel." Besides appearing in Cerro Coso College, CLOTA, and Burroughs High School productions, she has studied music for several years and has toured the county with the St. James Singers.

Other members of the cast who play the 11 Revelers are: Tim Connaghan, Reno Venturi, Virginia Sandberg, Marsha Burgner, Peggy Westfield, Deborah Green, Nancy Miller Nowak, Mary Woodling, Curtis Carroll, Kathy Schimpf and John

Clark. The Revelers portray a variety of parts while wearing symbolic masks which depict their characters in the play. More than 130 masks, which are the work of Walt Koerschner, will be worn by the Revelers. Bellen, as "Potemkin," leads the other performers through the battle between Summer and Winter, good against evil. At the beginning of the play, "Orphan" is the eternal optimist and lover of life.

"Angel," the actress who wants to be "somebody some day," falls in love with Orphan, but is promised her chance to be somebody by "Mr. Rich," the man who wants to turn the world into a plastic everything.

In addition to the director, Ms. Green, the production staff includes: Rebecca Connow, musical director; Debby Trousdale, technical director; Suzanne Koerschner, student director; Shawn O'Brien, student technical director; Nancy Miller Nowak, choreographer; Walter Koerschner, mask designer; Mary Eisel, rehearsal pianist; Vivian Childers costumes; Steve Green, lighting director; Scott Graham, lighting assistant; Sharon Werle and Roderick Watts, stage crew; Dawn Barra, props; Bill Benison, photography; and Paul Riley and Mike Garrett, orchestra.

Tickets are now on sale for \$2.50, general admission, and \$1.25 for students and Associated Student Body cardholders.

They may be purchased at the college business office and in Ridgecrest at the Gift Mart, Deboni's Ice Cream Parlor, and at Sports Etc.



TENSE MOMENT — Cynthia Harris (standing right), in the part of Lena Younger, and Ava McClendon (left), who plays Beneatha, comfort Nona Celestine, as Ruth, in an emotion-packed scene from the China Lake Players' production of "A Raisin in the Sun," which will open tonight to a sold-out audience. This play is the dramatization of a poignant story about a black family and how the inheritance of money affects their personalities. Tickets are still available for performances tomorrow and next Friday and Saturday, March 17 and 18, at the China Lake Players' Hut, 405 McIntire St., on the Center. A special events pass will be issued at the main gate to persons attending the play and needing one. Curtain time is 8:15 p.m.

Traveling theater group to perform Sat. at Cerro Coso

A performance by Magic Carpet, a traveling theatre ensemble of eight young San Franciscans, will be presented at 10 a.m. tomorrow at the Cerro Coso Community College lecture hall.

This program, another in the series of presentations sponsored by Cerro Coso Community Services, is one which is intended for children, but also will appeal to those who are young at heart as well.

Tickets, priced at \$2 for general admission, \$1 for students, and 25 cents for children under eight years of age, may be purchased in advance at the College Business Office or in Ridgecrest at The Gift Mart or Sports Etc. They also will be on sale at the lecture hall door prior to the show tomorrow morning.

The Magic Carpet group began as a resident repertory company for young people at Hidden Valley Theatre in Carmel Valley, Calif. — presenting original productions there for three years before going on the road.

Some of the material included in the show is written by youngsters and called "Kid Writes." This includes a number about an Easter egg that is popular with most audiences. Traditional material such as Kipling's "How the Camel Got His Hump," also is presented.

The style of Magic Carpet's production includes music, mime, dance and improvisation. The Los Angeles Times theatre critic, Dan Sullivan, called this program "quality theater for every child."

The cast includes Jim Mairs, director; Wynn White, John Rousseau, June Fry, Carlo Grossman, Deborah Berry, David Berry, David Dunham and Marlene Augustine.

Museum-sponsored trip to Red Rock Canyon rescheduled

Since the Maturango Museum trip scheduled last Saturday had to be cancelled due to the rain, the trip has been rescheduled for tomorrow.

Led by Ken Pringle, participants on this outing will explore the geology and ecology of the Red Rock Canyon area. Also on hand will be Bob Berry, who will lead a side trip to Dove Spring Canyon.

Anyone who would like to join this outing is asked to meet at the Red Rock Ranger Station at 9 a.m. tomorrow. This ranger station is located off the old Red Rock Canyon road, just to the west of the main highway.

If prospective participants will contact Carol Panlaqui, museum curator, between 2 and 5 p.m. today, they will be put on the list of people to be notified if the weather again forces cancellation of the trip. Mrs. Panlaqui's telephone number at the museum is 446-6900.

Mrs. Panlaqui would also like to remind Indian Wells Valley residents that the museum has an outstanding collection of books about wildflowers that are offered for sale. Since the unusually heavy rainfall has brightened the prospect for one of the local area's best wildflower displays, the museum has stocked up on books to help in identification and enjoyment of desert wildflowers.

The museum is open daily from 2 to 5 p.m.

CPO Club to feature 'Sounds of Country' gp.

Entertainment at the Chief Petty Officers' Club tonight and tomorrow night from 9 to 1 a.m. will be provided by "Sounds of Country."

This is a return engagement for the group, which was warmly received during its Valentine's Day appearance here.

A prime rib dinner will be served tonight from 6 to 9 and tomorrow's dinner menu will feature a seafood platter from 6 to 8:30.

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

Regular starting time—7:30 p.m.
Program subject to change without notice.
- For further information call NWC ext. 2259

FRIDAY 10 MARCH

"AIRPORT 77" (114 Min.)

Jack Lemmon, James Stewart
(Adventure Drama) The third of the highly successful "Airport" dramas inspired by Arthur Hailey's book features a cast of top names and spectacular effects. Lemmon is a pilot hired by employer Stewart to fly a small group of art collectors and critics to Palm Springs for the inauguration of his new museum collection. Three men seize the aircraft to hijack the paintings. The plane crashes and there is a thrilling, well-filmed rescue sequence. (PG)

SATURDAY 11 MARCH

"GUS" (97 Min.)

Bob Crane, Johnny Unitas
1:30 p.m. Matinee
(Comedy) The California Atoms football team is so bad that owner Edward Asner lives in the shadow of his brother, a soccer star, and must prove himself. He accidentally discovers a mule, Gus, who is a great kicker. Gus saves the team by kicking field goals. (G)

"THE GREAT TEXAS DYNAMITE CHASE" (89 Min.)

Claudia Jennings, Jocelyn Jones
(Action Drama) This film concerns two girls, Claudia, who has just escaped from county jail, and Jocelyn, a bank teller who has been fired from her job. They team up and go on a bank robbing spree with dynamite as their weapon. A hostage captured during a store holdup discovers that he enjoys their company and agrees to pose as their hostage in future bank jobs. Luck finally runs out at a secluded motel hideout when their make-believe hostage is gunned down. However, the two girls evade the police by dynamiting their car and escaping across the border. (R)

SUNDAY 12 MARCH

"THE RESCUERS" (84 Min.)

(Adventure Comedy) This is an animated cartoon with the voices of Geraldine Page, Bob Newhart and Eva Gabor. Mouse scouts from the International Rescue Aid Society, which meets in the basement of the United Nations Building, find a bottle bearing an urgent message. The message relates information about the kidnapping of a young orphan named Penny by the villainous Medusa who demands the retrieval of the "Devil's Eye" diamond. Janitor Bernard and heroine Bianca take on the rescue assignment with the aid of some swamp critters. The rescue is successful and results in television publicity which helps Penny to get adopted. (G)

WEDNESDAY 15 MARCH

"VALENTINO" (128 Min.)

Rudolph Nureyev, Leslie Caron
(Biographical Drama) The death of silent screen star Rudolph Valentino in 1926 causes riots at the New York funeral parlor where his body lies. The film shows the women in his life reminiscing for reporters. Valentino is seen progressing from a ballroom gigolo to a silent screen star in the film, "The Four Horsemen of the Apocalypse." (R)

THURSDAY 16 MARCH

"OH GOD!" (111 Min.)

George Burns, John Denver
(Comedy) This is a special return engagement. The story concerns God (Burns) who puts on His work clothes and comes to earth to clean up a few things. As His earthly messenger he chooses Jerry Landers (Denver), the assistant manager of a California supermarket. Solid citizen Denver receives a note from Burns requesting him to come to an interview. Denver goes before a group of theologians, but is later hauled into court for slandering the Rev. Willie Williams. Burns is a witness for Denver, but does not necessarily convince the court that he is God. Denver is acquitted but loses his job. Burns goes on his way to take care of other matters. (PG)

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To: _____

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Naval Weapons Center
China Lake
California

March 10, 1978

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OUTSTANDING EFFORT RECOGNIZED — In recognition of his exemplary skill in the design and fabrication of the complete antenna systems for a unique radar, Robert L. Gerber (at left) was the latest recipient of an NWC Technical Director's Award. The presentation was made by R. M. Hillyer, NWC Technical Director, during the Commander's meeting last Monday morning. —Photo by Ron Allen

Technical Director Award for radar antenna system design presented to Robert Gerber

Presentation of the NWC Technical Director's Award in recognition of outstanding technical accomplishment highlighted Monday morning's Commander's meeting held in the Management Center of Michelson Laboratory.

Robert L. Gerber, a mechanical engineer in the Electronic Warfare Department's Radar Development Branch, was the recipient of this special form of a Superior Achievement Award, which was presented by Robert M. Hillyer, NWC Technical Director.

The award, which consists of an engraved paperweight, a letter of commendation and a \$200 stipend, was presented to Gerber for his exemplary performance in the design and fabrication of the complete antenna systems for a unique radar.

"The work is exemplary—probably better than the original devices he is simulating," Hillyer commented as he presented the Technical Director Award to Gerber.

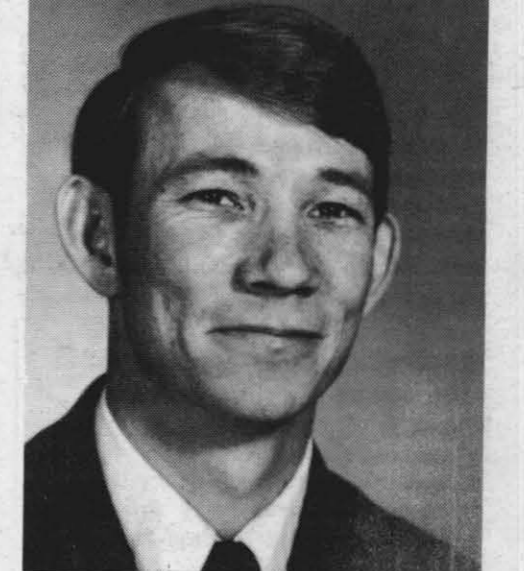
In the letter of commendation from Hillyer, the Technical Director wrote: "Your thoroughness and novel approach in the development of this one-of-a-kind radar

has contributed significantly to this radar development program's success. I am impressed with your technical competence and your professionalism."

Gerber, who is a 1965 graduate of California State University in San Diego, began working at the Naval Weapons Center in July 1966. Since starting out as a junior professional employee nearly 12 years ago, he has fulfilled assignments at progressively responsible levels and is now recognized as a topnotch mechanical engineer involved in the design and development of radar in structures and antenna systems.

From 1966 to 1975, Gerber was employed in the Weapons Department (or its

(Continued on Page 3)



AZ2 Sammie E. Goode

AZ2 Goode chosen as Bluejacket of Month for February

Aviation Maintenance Administrationman Second Class Sammie E. Goode has won the coveted Naval Weapons Center's Bluejacket of the Month award for February.

AZ2 Goode, the only AZ assigned to the Targets Division of the Aircraft Department, is responsible for maintaining log books on more than 20 aircraft and all the division's scheduling and documentation.

His recommendation for the award noted his ability to work in harmony with others and his "exceptional willingness and ability to coordinate the division's varied functions."

In addition to his regular duties, AZ2 Goode is the Aircraft Department's Athletics Officer, chairman of the department's Recreation Committee and secretary for both the NWC Joint Military-Civilian Recreation Council and the Center's Sports Committee. He is also the Target Division's safety officer.

A career Navyman with more than six years' service, he is a veteran of two tours of duty aboard the aircraft carrier USS Ranger off the coast of Vietnam during the war in Southeast Asia.

He wears the Presidential Unit Citation which was awarded to the USS Ranger's crew for Vietnam service, the Good Conduct Medal, the Vietnam Service Medal and the Vietnam Campaign Medal.

AZ2 Goode received an official Letter of

(Continued on Page 5)

CNO Sailor of Year nominees selected

Three enlisted personnel from China Lake have been nominated as representatives of their respective commands to compete for the honor of being selected as the CNO Shore Sailor of the Year for Fiscal Year 1978.

The local nominees are Aviation Machinist's Mate 1st Class Garry Walker, Aviation Hydraulics Mechanic 1st Class Denis Lambrecht, who has been nominated by Air Test and Evaluation Squadron Five (VX-5); and Hospital Corpsman 2nd Class Yvonne M. Conley, who is the nominee of the local Branch Clinic of the Naval Regional Medical Center in Long Beach.

The CNO Sailor of the Year competition is open to all active duty personnel in

paygrades E-4 through E-6 with the exception of recruiter canvassers who are eligible for the Navy Recruiter of the Year competition.

The Pacific and Atlantic Fleet Sailors of the Year will be selected by their respective Fleet commanders, while the Shore Duty Sailor of the Year will be selected by a board established by the Chief of Naval Personnel.

The three finalists who are chosen from the Fleet and Shore Establishment will be advanced to the next higher pay grade if they are eligible and will receive an all-expense paid trip with their dependents to Washington, D.C., with the option to continue on to the stateside location of their choice for five additional days of rest and

relaxation. All expenses for their dependents' transportation and per diem will be funded by the Fleet Reserve Association.

Both HM2 Conley and AD1 Walker were selected as NWC Bluejackets of the Month during 1977, and HM2 Conley this past January became the first woman sailor to win the Bluejacket of the Year award at the Naval Weapons Center.

She serves as petty officer-in-charge of the Medical Clinic's Surgical Service Department. Her responsibilities include maintaining all surgical supplies in good order and sterile condition and dispensing supplies to patients and medical clinic staff. (Continued on Page 5)



CONGRATULATIONS EXTENDED — Best wishes of their respective Commanding Officers were extended to three enlisted personnel from China Lake who have been selected as local nominees for the CNO Shore Sailor of the Year honor. In the photos shown above (left to right) Rear Admiral William L.



Harris, NWC Commander, Capt. Robert W. Taylor, Officer-in-Charge of the Branch Medical Clinic, and Capt. Leonard E. Giuliani, Commanding Officer of VX-5, are congratulating the nominees from their commands who are AD1 Garry Walker, HM2 Yvonne M. Conley and AMH1 Denis Lambrecht.



AMH1 Denis Lambrecht.



WORTHWHILE SUGGESTION — Lt. Col. H. A. Wells, Assistant Public Works Officer, congratulates Roger Turcotte, an automotive inspector in the Transportation Division of the Public Works Department, on receiving a \$145 dollar award for a Beneficial Suggestion. Turcotte suggested that heavy duty batteries be installed in 4-wheel drive vehicles, resulting in less vehicle down time. Estimated savings to the Navy will be \$1,850. —Photo by Ron Allen

Purim celebration scheduled March 18 by All Faith Chapel Jewish congregation

The All Faith Chapel's Jewish congregation will celebrate the annual observance of Purim, or Feast of Lots, on Saturday, March 18.

This year's service and festivities are sponsored by the Jewish Women's Club and will begin with a candlelight Havdalah Service at 6:30 p.m. in the East Wing of the All Faith Chapel.

Rose Vitale will conduct the service, which will be followed by folk singing by Peggy Busch and her father, Bud Sewell, as well as the presentation of an Israeli folk

dance by Sabbath School young people.

In addition, Sabbath School youngsters, under the direction of Lynn Kushner, will participate in a presentation of the Megillah entitled the U.S.S. Hamantaschen.

Traditional observance of the holiday includes reading from the Book of Esther, feasting and merrymaking. Refreshments will include hamantaschen with a variety of fillings, and there will also be games.

Tickets are 50 cents and may be ordered by calling Mrs. Vitale at 446-5186. They also will be on sale at the door on the evening of March 18.

Enrollment open in Pre-Retirement Planning Seminar

Enrollments are now requested for a Pre-retirement Planning Seminar which is scheduled to begin on Wednesday, April 12. With the exception of the third session, the other five sessions will be 1 1/2 hours in duration and will be held once a week. The third session will be in the form of an all-day workshop.

This seminar is intended for Naval Weapons Center civilian employees who are planning to retire within the next five years. The course is designed to provide a wide range of information on such subjects as Federal income tax regulations, the Civil Service Retirement System, Social Security and Medicare, legal matters, health maintenance, and the psychological aspects of retirement.

Employees who are interested in attending this seminar should submit a training request and authorization form via proper department channels in time for it to reach Code 094 by April 7.

Promotional Opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 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 996 or 997). 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 supervisor appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-116C.

Budget Clerk, GS 501-3/4, PD No. 7708015N, Code 0832 — (2 vacancies) Intermittent work schedule. The incumbent will assist budget analysts and RMAs with preparation of overhead and technical budgets and may be assigned, on a rotating basis, to one or more departments on Center to provide financial support such as monitoring expenses on job orders and customers order numbers, preparing journal entries. **Job Relevant Criteria:** Ability to work with figures; knowledge of the budget cycle; knowledge of the budgetary and funding process; and knowledge of accounting and financial reports. Status eligible accepted.

Clerk Typist or Clerk-DMT, GS 322/316-3/4, PD No. 7608028, Code 0824 — This position is located in the Word Processing Center, (located in Mich Lab) Management Division, Office of Finance and Management. The incumbent types letters, memoranda, and various reports, both technical and financial, from rough drafts or transcribes material from dictation equipment. Incumbent will also train on OS6 Document Printer and Text Editor. **Job Relevant Criteria:** Ability to meet deadlines under pressure; ability to work with a minimum of supervision; knowledge of Mag 11 is desirable, and knowledge of Navy correspondence and report format. Status eligible accepted.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2674.

Quality Assurance Specialist (Electronics) GS-1910-9/11 PD No. 7455022E, Code 3681 (3 vacancies) — Applications will be accepted from NWC employees and status eligible. This position is located in the Soldering Technology Branch, Product Assurance Division, Engineering Department. The incumbent will assist in the development of quality and reliability requirements to be utilized in the manufacture of weapons systems electrical/electronic modules. The incumbent investigates quality problems in the manufacture of hardware, determines the cause and recommends corrective action. The incumbent reviews contractor facilities, equipment, operating procedures and training programs to ascertain compliance to the contractual specification, reviews formal documentation prior to authentication, recommends approval or disapproval of contractor proposed deviations, waivers and exceptions to the specification. **Job Relevant Criteria:** Knowledge of WS-636 and AS-402; knowledge of soldering and module welding techniques; knowledge of printed wiring board manufacturing. Ability to write and revise specifications. Promotion Potential: GS-12.

Electronics Engineer, GS-655-11/12, PD No. 7455042-1E, Code 3431 — Applications will be accepted from both NWC employees and status eligible. This position is located in the Guidance Branch, Product Design Division, Engineering Department. The incumbent will be assigned to missile guidance production support. Duties will include circuit analysis and signal processing techniques, interface with the program offices, other government activities and contractors. Moderate travel will be required. **Job Relevant Criteria:** Incumbent must have knowledge of computer programming and ability to perform circuit analysis. Knowledge of automated test techniques is desirable.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

Clerk-Typist, GS-322-3/4, PD No. 7824005N, Code 265 — This position is in the Housing Division, Public Works Department. The incumbent provides clerical support to the division secretary and to the maintenance and occupant support branches. Major duties include maintaining records and files on tenants and on housing units. Occasional responsibility in support of housing assignments and terminations. **Job Relevant Criteria:** Ability to work independently with minimal supervision; must have analytical and statistical background; must have typing proficiency and knowledge of correspondence format; must be able to effectively deal with the public.

Sheet and Plate Metal Worker, WG-3801-8, JD No. 597N, Code 2453, (1 vacancy) Promotion potential WG-11 — Incumbent assists in the layout, fabrication, assembly and installation of prototypes and experimental parts and equipment made from various types of ferrous and non ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radiograph machine cutting. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of materials, hand and power tools, layout and pattern development, instructions, specifications, blueprints; knowledge of equipment.

Sheet and Plate Metal Worker Helper, WG-3801-5, JD No. 596N, Code 2453, (1 vacancy) Promotion potential WG-11 — This job is in the Structural and Support Branch, Field Support Section, Public Works Department. The incumbent assists a journeyman sheet and plate metal worker and under his direction works from blueprints, sketches, and specifications. Performs on-the-job training. Assignments are designed to prepare the incumbent for movement to the intermediate in the trade. **Job Relevant Criteria:** Reliability and dependability; shop aptitude and interest; ability to follow directions in shop; dexterity and safety; ability to work as a member of a team.

Heavy Mobile Equipment Mechanic, WG-5803-8, JD No. 448N, Code 26771 — Promotion Potential WG-11. Under the supervision of a journeyman, incumbent maintains, repairs, overhauls, modifies and tests various types of heavy duty diesel and gasoline-powered equipment, such as locomotives, cranes, tanks, firetruck engines, construction and earth-moving equipment etc. **Job Relevant Criteria:** Ability to repair, maintain, and overhaul pertinent equipment; ability to use manuals, specifications, catalogs, prints; ability to troubleshoot and test pertinent equipment; ability to use hand and power tools; ability to use measuring instruments; ability to do the work of the position without more than normal supervision.

Administrative Officer, GS-341-12, PD No. 7826011E, Code 2462 — The incumbent is Head Staff, Public Works Department, and is responsible for providing administrative services to the Public Works Officer and the Public Works Department. These include management studies, management information systems, word and data processing support, commercial/industrial activities, central files and records, budgeting, financial control and status reporting, plant property records and control. **Job Relevant Criteria:** Ability to plan, direct and execute major studies using management analysis techniques; ability to deal effectively with all levels in and outside NWC; ability to work well under pressure and adjust easily to organization, program and procedural changes; ability to work independently; knowledge of Naval Facilities Engineering Command directives and policies; knowledge of Navy budgetary process.

Automotive Mechanic Helper, WG-5823-5, JD No. 527N, Code 26774 — Incumbent assists journeyman in the repair, overhaul, modification and testing of transportation equipment. **(Continued on Page 4)**

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Tryouts set on weekend for fast pitch softball team

Tryout sessions for the Ridgecrest Raiders, a fast pitch softball team that will represent the local area in out-of-town as well as local tournaments this season, will be held at 1 p.m. Saturday and at 4 p.m. Sunday at the Pony League baseball diamond.

Veterans of previous all-star softball teams, and newcomers interested in participating in Class A softball competition are invited to participate in this weekend's tryouts.

Every position on the team is up for grabs by the most talented players, Richard Clout, manager of the Ridgecrest Raiders, reports. The Raiders are preparing for a pre-season tournament April 14, 15 and 16 that will be staged as a benefit for the Indian Wells Valley Pony League.

An invitation has been extended to the Reno Toyota world champion softball team to participate in this 16-team, double elimination event. The tourney is to be preceded on Thursday, April 13, by a softball pitching clinic that will be conducted by Bob Gregory, ace pitcher for the Reno team.

Additional information about the Raiders can be obtained by calling Clout at NWC ext. 2570.

Youth soccer skill evaluation session planned Saturday

College cagers win berth in state tourney

The Cerro Coso Community College basketball team, coached by John Boragno, pulled out a come-from-behind 73-69 win over Imperial Valley last Saturday at El Centro in the final round of the Desert Athletic League basketball playoffs.

The victory earned the Coyotes a berth in the California Community College basketball championship tournament which is to be held at the Long Beach Arena.

In their first tourney tilt, the Cerro Coso cagers will play the highly rated Menlo College team in a game that will begin at 10:45 a.m. next Thursday, March 16.

Last Saturday at El Centro, the Coyotes, who trailed Imperial Valley 38-33 at half-time, pulled out all the stops in the final minutes of the game to overcome what had been at one time a 14-point deficit to win by a 4-point margin of 73-69.

Steve Parham, center for Cerro Coso College, tallied 23 points (including 7 for 7 from the free throw line in the second half) to lead the Coyotes in the scoring department. The leading rebounder among California's community college hoopsters with an average of 16 per game, Parham snagged 16 caroms off the board in the contest with Imperial Valley.

Right behind Parham in scoring for the Cerro Coso College team was Louis Reymond, a guard, who tallied 22 points — 16 of which dropped through the hoop in the hotly contested second half at El Centro.

Reymond holds the honor of being the state's second leading scorer in community college basketball with a 1977-78 average of 24.8 points per game.

The Coyotes, who won 22 games and lost 6, finished as runner-up to Mt. San Jacinto in the battle for the Palmdale Falcons Conference title. The Coyotes were defeated twice during regular season play in overtime contests by Mt. San Jacinto, the state's fifth-ranked community college basketball team.

BHS varsity nine will face Antelopes in season opener

A Burroughs High School varsity baseball team, which can field a veteran infield but is weak in the pitching department, will begin the 1978 Golden League season by traveling to Lancaster next Tuesday for a 3:30 p.m. game against Antelope High School.

The Burros, who are coached by Ed Schwartz, will host the Palmdale Falcons in their first home game of the season next Friday, March 17, also at 3:30 p.m.

Coach Schwartz expects the Antelopes to have one of the stronger teams in the reorganized Golden League this season, while his own squad is untested except for a "scrimmage" against Barstow. The Burros are, however, slated to travel to Bakersfield High School on Saturday for a double-header against the Drillers that will start at 11 a.m.

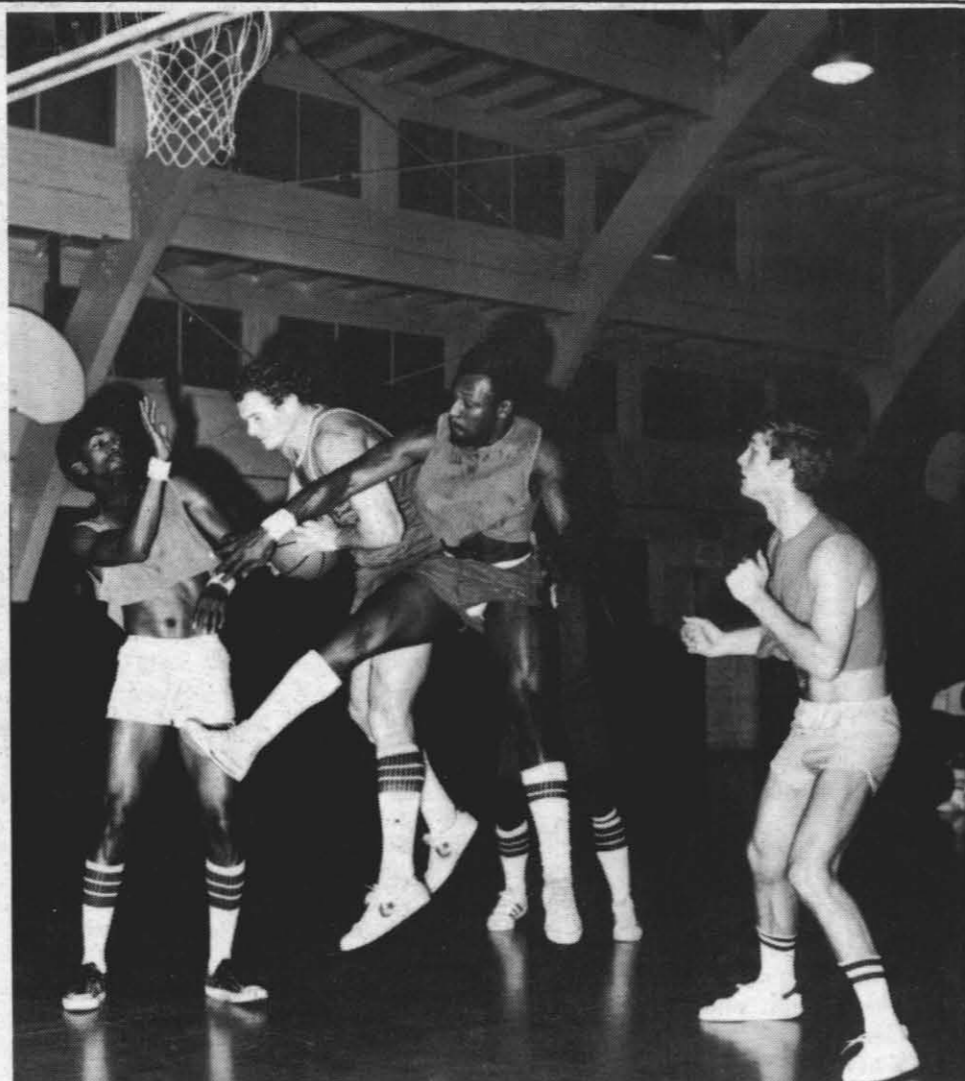
Around the infield, Coach Schwartz expects to start returnees Casey Cornelius at first base, Frank Mayer on second, Jim Peck at third base, and Randy Radcliff in the short stop position.

Behind the plate, the Burros have another returning player, Dave Cane, to handle the catching chores, and Mark Gritting has pretty well nailed down a starting position in center field.

Other outfield hopefuls are Dave Boss and Art Sterrett, while the mound staff includes John Chieze, Paul Riddle, Terry Melting, Terry Gaunt and Scott Anderson.

During the pre-season practice sessions, Coach Schwartz has been working with a roster of 20 players, but expects to cut this down some by the start of the Golden League season on Tuesday.

Schwartz is being aided by Skip Campos, as assistant coach, and volunteers Jeff Radcliff and Mike Stoner.



BATTLE FOR BALL — Bob Bailey, center for the NWC South team, has little room to maneuver under the basket after grabbing this rebound during Tuesday night's Admiral's Cup basketball game between NWC South and the cagers from VX-5. Bailey is hemmed in by John Spells (at left) and Greg Robbins of the VX-5 team. At right is Ron Naparella, a leading scorer for the NWC South team which won this game by a final score of 66-48.

NWC South outscores VX-5 in Admiral's Cup basketball finals

Admiral's Cup competition in basketball for the 1977-78 season ended Tuesday night with a victory by NWC South over the VX-5 cagers by a final score of 66-48.

In what was a well-played game, the NWC South squad got its fast break offense moving well and, thanks to 17 assists by Hod Wells, at one of the guard positions, pulled steadily ahead to win by a final margin of 18 points.

Tim Cornelius was the top scorer for NWC South with 24 points, while two of his teammates — Ron Naparella, with 21, and Bob Bailey, who pumped in 14 — also played vital roles in the win.

The VX-5 team relied heavily on the scoring ability of Kevin McSwain and John Spells, who between them accounted for 38 of their team's 48 points. McSwain tallied 22 and Spells chipped in 16 points.

In the two Admiral's Cup basketball contests which led up to Tuesday night's championship game, NWC South romped to a 66-37 win over NWC North on March 1, and VX-5 trimmed the NWC North (airfield) team, 63-40, on Thursday, March 2.

At halftime in the NWC South vs. NWC North game, the hoopsters for NWC South were ahead by just 8 points (28-20), but then began to find the range and outscored their opponents 38-17 in the second half to win going away by a final score of 66-37.

Naparella and Cornelius, forwards for the NWC South team, were the leading scorers in this game with 18 and 16 points, respectively. Hudie Thompson and Charlie Barrows were the only players for NWC North to break into the double-figure scoring column. They tallied 11 and 10

Commander's Trophy golf tourney set March 18-19

The China Lake Men's Golf Club Commander's Trophy Tournament will be held Saturday and Sunday, March 18 and 19.

There will be three flights based on handicaps in the 36-hole, individual stroke play competition. They are ten and under, 11 through 16 and 17 and over.

Daily and overall prizes will be awarded, and the entry fee is \$6 per golfer.

Those desiring to enter may sign up now at the China Lake golf course clubhouse.



Recreation Round-up

Water exercise classes to begin next Wednesday

A new series of water exercise classes will begin next Wednesday, March 15, at the indoor pool in the Naval Weapons Center gym.

Cost of the series of 10 classes, which will be held on Mondays and Wednesdays from 3:30 to 4:30 p.m. is \$10. No swimming skill is necessary in order to participate.

Registration for the class and payment of the enrollment fee is being handled at the gymnasium office. Further information can be obtained by calling NWC ext. 2334.

Children's Swim Classes

Another six-week session of swimming classes for tiny tots will begin on Tuesday, March 21, at the indoor pool in the Center gym.

An adult must accompany the child in the water during these lessons, which will be held once a week. A class for tiny tots from 6 to 18 months of age will be held from 9:30 to 10 a.m., followed from 10 to 10:30 a.m. by a session for toddlers from 19 months through 3 years of age. There is a fee of \$6 per child for this instruction.

Also scheduled to begin on March 21 is a swim class for children 4 to 5 years of age. Screening will take place at 1 p.m. on that date, and youngsters will be placed in different groups depending upon their ability to swim.

The fee for this six-week series of lessons, which will be taught by Adrienne Swinford, is \$8.

Enrollment is being handled at the gymnasium office, where additional information can be obtained by calling NWC ext. 2334.

Spring Season Volleyball

Last-minute registration is still being taken for the China Lake Intramural Volleyball League spring season.

All interested individuals, or persons who desire to form a team of their own to compete in either the coed division, or a men's division which will be split into two groups — Class A and B — should contact the gymnasium office by calling NWC ext. 2334 before 4:30 p.m. today.

Each prospective volleyball league player must obtain an Athletic Association card in order to participate.

Over-Hill Track Club to sponsor 3-mile road race Saturday

The Over-The-Hill Track Club is sponsoring a three-mile road race Saturday, March 18. Sign-ups begin at 8 a.m. at the Cerro Coso Community College parking lot with race time at 9 a.m.

The race course will go around the college parking lot, then along dirt roads to the water storage tanks south of the college, and return to the parking lot for the finish.

There will be age group awards for men and women with medals for the first three finishers in each category.

As an incentive to new runners, or those who compete infrequently, there will be novice groups for men and women, the winners of which will receive ribbons for their efforts.

Certificates will be awarded to all finishers, and the entry fee is \$1.50 per person.

For additional information, contact Scotty Broyles by calling 446-2941.



HIGHLIGHTS OF SEABEE BALL — The Community Center was the setting last Saturday night for the annual Seabee Ball which this year was held to commemorate the 111th anniversary of the Navy's Civil Engineer Corps and the 36th anniversary of the formation of the Seabees following the attack on Pearl Harbor that plunged the United States into World War II. In this group of photos, Capt. R. B. Wilson, CEC, USN, the NWC Public Works Officer who was honored as the "King Bee" of the evening, cuts the first slice of the CEC-Seabee birthday cake (top left), while his wife, Patricia, stands ready to help serve the first two slices to the oldest and youngest Seabee Reservists in attendance. They are (in photo at lower left) BU2 Harold L. Schneider, 54, (on left) and EO3 Phillip Quinton, who stood in for EO3 Wiley Allen since the latter was unable to be present for the festivities. EO3 Allen was 23 years old on Saturday. Another highlight of the evening was the presentation of the Seabee of Year award to EO1 Richard M. Hardwick (in top right photo) by Lt. Michael Levine, a former officer-in-charge of China Lake Detachment 0217 of Reserve Naval Mobile Construction Battalion 17. Looking on as her husband received this special recognition was EO1 Hardwick's wife, Jessie. Master of ceremonies for the evening was Harry Parode, NWC Public Information Officer, while Rear Admiral W. L. Harris, NWC Commander, and Mrs. Harris, were represented at the Seabee Ball by Capt. and Mrs. S. I. Stocking. He is head of the Aircraft Department. Other honored guests were R. M. Hillyer, NWC Technical Director, and his wife, Luverne, and Ridgecrest Mayor Ted Edwards and his wife, Jan. A crowd of 140 persons attended this year's Seabee Ball. The special ceremonies shown above followed a buffet-style dinner, and the evening was rounded out by dancing and listening to the music of Joe Jones and his country and western style combo. —Photos by PH2 Tony Garcia

Picking of wildflowers on Center banned

The winter season's unusually heavy rainfall has created prospects for an exceptional year for wildflowers in the upper desert area.

In view of this, it is timely to remind Centerites and all other local area residents that, without prior approval of the Naval Weapons Commander, no collection of native plants or seeds thereof is permitted within the NWC boundaries.

Accredited professional botanists, graduate students working on Command-approved projects for higher degrees, or bona fide members of the California Native Plant Society, may request approval from the NWC Commander to collect limited samples of plants or seeds for identification or for inclusion in herbariums or seed collections used for educational or scientific purposes by recognized institutions.

Those submitting such requests must identify the use to be made of specimens and the location of the herbarium or collection in which the material will be maintained.

The NWC Natural Resources Management Office (Code 26309), headed by Tilly Barling, is responsible for reviewing each request and preparing a proposed reply for signature by the NWC Commander.

No approval will be granted for collection or disturbance of any endangered or threatened plant or seeds thereof listed by the U. S. Fish and Wildlife Service under the Endangered Species Act of 1973.

Additionally, no approval will be granted for the collection or disturbance of plants or seeds thereof that are protected by statute in the State of California, or by ordinances of Kern, Inyo and San Bernardino Counties, without a prior valid permit from the appropriate state or county Agriculture Department.

Collection of native plants within the NWC boundaries for temporary or short-term display, or for decorative or aesthetic purposes by organizations or individuals also is banned, and approval for such activities on the Center will not be granted.

Fed'l Women's Committee 'Career Day' program slated

The first in a new series of one-day programs developed by the Federal Women's Program Committee at NWC will be held next Wednesday, March 15, starting at 9:30 a.m. at the Community Center.

A total of six such programs, which have been labeled "Career Day" sessions, will be offered at intervals throughout the coming year instead of having a full week of activities at the time of the Federal Women's Program awards banquet in October.

Reason for Change

This change is being made by the Federal Women's Program Committee in the hope that more Center employees will have the opportunity to attend a greater number of sessions than in the past.

The March 15 program also will include a luncheon that will get underway at 11:30 a.m. at the Chief Petty Officers' Club. The speaker at this time will be Dallin Childs, head of the Personnel Department's Personnel Services Division No. 1. He will discuss "Highlights of the Civil Service Reorganization and How it Affects NWC."

Reservations to attend the luncheon can be made by calling Margy Zinke, at NWC ext. 3637, or Karen Altieri, Federal Women's Program Coordinator, at NWC ext. 2348 or 2748. On the menu will be a choice of sirloin tips with noodles (\$2.50) or chef's salad (\$2).

Career Options To Be Discussed

Next Wednesday's initial "Career Day" session will be opened at 9:30 a.m. with a talk by Nick Curran, a Training Division employee, about career options open to women in the pre-journeyman and apprentice programs that have not (in the past) been considered typical or traditional for women.

Also before lunch, there will be a 90-min. panel presentation by six women who are currently involved in either the apprentice or pre-journeyman programs, or occupy Upward Mobility positions in the Wage Grade series. The speakers will be women who are undergoing training to become air conditioning mechanics, machinists, electricians and electronic technicians.

Following lunch at the CPO Club, the "Career Day" program will continue at the Community Center, where a 30-min. talk (beginning at 1 p.m.) will be given by Lynn Lacey, who will discuss career expansion programs, assertion training and stress reduction training. Lacey is the NWC Employee Assistance Program advisor.

The final speaker of the day will be Vickie Ayers, of Code 09's Personnel and Organization Development Division. She

TD Award . . .

(Continued from Page 1)

forerunners) and was responsible, during that time, for the design and development of a 2.75 in. forward firing chemiluminescent target marker, a pyrotechnic weather modification dispenser, and an airborne jet seeder.

In addition, he was in charge of the design and fabrication of the feasibility model of a combination launcher and shipping container for the vertically launched Sea Sparrow missile, as well as for a 4,000 round weather modification dispenser.

Since transferring to the Electronic Warfare Department in 1975, Gerber has become an expert in the areas of radar structures and antenna systems. He is involved in scanner failure analysis and repair work, structural resonance analysis and repair, antenna mount design and installation, RF transmission line layout and installation, pedestal failure investigation and repair, and technical supervision of the disassembly and assembly of antennas and pedestals.

His most recent accomplishment, and the one for which he received the NWC Technical Director Award, is the design and fabrication of the complete antenna system for a unique, one-of-a-kind radar. This work included the development of analytical models, handling a major portion of the RF design, as well as the utilization of novel fabrication approaches and techniques.

AFGE to meet Monday

The American Federation of Government Employees, Local 1781, will hold its next regular monthly meeting on Monday at 7 p.m. at 65-B Halsey Ave., China Lake.

Local 1781 is the exclusive representative of a unit composed of those non-supervisory civilian employees of the Police and Security Operations Division, Safety and Security Department, who are located at China Lake.

Paper presented on AMRIP work at NWC during seminar in Anaheim

The outstanding repair work being accomplished on miniature and microminiature electronic assemblies and modules by military and civilian personnel of the Navy was hailed at a recent Electronic Assembly Technology Seminar held in Anaheim, Calif.

An invited paper entitled "Current Technology for Rework of Electronic Assemblies" was presented by William Sake and John Robertson, both of the Fleet Requirements Branch in the NWC



William Sake

Engineering Department, which is headed by Dr. G. W. Leonard.

Sake, project coordinator of the Avionic Module Repair Improvement Program (AMRIP), discussed the history and present status and capabilities of this program.

Under AMRIP, personnel are trained to repair the tiny electronic modules and assemblies used by the Navy. Repair and rework of these parts — used in weapons, aircraft, and ships — must be of the same quality as the original technology under which the parts were developed and built.

When the program was initiated by NAVAIR, the Naval Weapons Center was designated the cognizant field activity and tasked to develop and implement AMRIP. Currently it has been established at more than 150 intermediate level maintenance sites, including aircraft carriers and overseas bases.

Critical factors in the success of the program have been the selection and multilevel training of personnel involved, selection and development of tools and hardware, and the maintenance of a standard and current level of capability at established rework and repair sites by a certification and recertification program for activities and personnel.

Major cost and time savings have accrued to the government because of AMRIP.

9 Centerites receive MS degrees under long-term training program

Nine Naval Weapons Center employees have received Masters of Science degrees after completing long-term training programs.

Seven attended 15 months of instruction at the Naval Postgraduate School, Monterey, Calif., and two completed one semester of study at the University of Southern California in Los Angeles.

Those who attended the Naval Postgraduate School received MS degrees in Management under the Systems Acquisition Management Program. They are:

Attend Navy Postgrad School

Rodney D. Beran, a supervisory electronics engineer in the Weapons Department; Robert K. Bonner, a general engineer in the Long Range Planning Office of the Test and Evaluation Directorate; Paul R. Decker, a physicist in the Systems Development Department; Kinerly W. Funk, a supervisory general engineer in the Electronic Warfare Department;

Richard Loraine, head of the Systems Effectiveness Branch of the Electronic Warfare Department; Richard G. Moe, a mechanical engineer in the Systems Development Department; and Dennis L. Potts, a mechanical engineer in the Ordnance Systems Department.

Graduates of USC

USC graduates are electronics engineers David M. Brindeiro, of the Electronic Warfare Department, and Eric Sommeria of the Weapons Department. Both received Masters of Electrical Engineering degrees.

The Postgraduate School graduates began instruction in September 1976 and graduated last December. The USC graduates completed their one semester courses in January.

Personnel presently attending school under long-range training programs include Office of Finance and Management em-

Career counseling course completed by 16 members of VX-5

Sixteen members of Air Test and Evaluation Squadron Five (VX-5) recently completed a course in career information and counseling. The course was conducted at the NWC Training Center.

The course was geared toward reenlistment and designed to help participants get information across to enlisted personnel on the advantages of making the Navy a career. Ltjg. D. J. Holmes, VX-5 public information officer, said.

In addition to instruction on various opportunities available to persons reenlisting, such as bonuses and guaranteed duty station options, the VX-5 counselors were informed on total career patterns, personnel manning levels and duty assignments as they relate to Navy rates and ratings, Ltjg. Holmes said.



—Photo by PH1 R. L. Ziesler

CAREER COUNSELORS — VX-5 personnel who recently completed a course in career information and counseling are, left to right (front), Lt. M. R. New, ADC T. G. Forrest, AD2 G. L. Harper, AZ2 M. C. White, PR3 E. G. Bishop, AQ2 R. M. Suits and AT2 W. M. Just. In the back row (l.-r.) are AME3 G. C. Guevarra, AD3 K. S. Vornbrock, AME2 S. A. England, AT2 W. L. Henderson, AMS2 B. L. Prow, YN3 A. N. Brown, YN2 D. M. Marter, YN2 L. L. Bomberger and AQ2 G. L. Krebs.

ployees Donald R. Bridges, who is a special financial assistant, and Donald T. Green, head of the Financial Operations Division; and electronic engineers Douglas M. Turner of the Systems Development Department, Allan M. Wetzstein and Robert H. William, both of the Range Department. They are all undergoing five quarters of instruction at the Naval Postgraduate School.

Those attending other schools are physicists Keith L. Gardner, of the Systems Development Department, who is enrolled at the University of Arizona in Tucson, and Marion J. Soileau, Jr., a physicist in the Research Department, who is attending USC.

Error noted in COM bulletin; Club will be open on March 20

Contrary to information published in the Commissioned Officers' Mess bulletin for March, the COM will be open during regular hours of operation on Monday, March 20.

The COM is now open every day of the week except Sunday for dinner service. Dinner hours are 6 to 9 p.m., Monday through Thursday, and 6 to 10 p.m. on Friday and Saturday. A special chicken dinner is served every Monday night and every Saturday night is steak night.

Next Tuesday will be "King Neptune" night at the COM with whole dungeness crab and whole broiled lobster on the menu, in addition to other seafood selections.

The next membership night at the COM is scheduled on Friday, March 17. Featured will be a St. Patrick's buffet dinner for \$3 per person and dancing from 8 p.m. to midnight to music provided by the "Sounds of Country," a popular country-western group from Las Vegas. In addition, door prizes will be awarded.

Reservations can be made for the St. Patrick's day dinner and dance by calling 446-2549.

Happenings around NWC

The next meeting of the Indian Wells Valley Chapter of Federally Employed Women will be held on Tuesday, from 11:30 a.m. to 12:30 p.m., in Rm. 103 of the Training Center.

Mary Flores and Mary McMullen from the Bank of America in Ridgecrest, will discuss "Women and Credit." Those who plan to attend should bring a sack lunch.

Dance Slated at Shuttle

Appearing at The Shuttle tonight from 9 to 1:30 a.m. will be "Spice," a 5-piece rock and soul band from Los Angeles. A dinner of "surf and turf" will be served from 6 to 8.

Ladies night, offering reduced prices on dinners for female patrons, is slated tomorrow from 6 to 8:30 p.m. at The Shuttle.



A STEP FORWARD — Robert A. Kahley (l.) and Ronald W. Jeff (r.) are handed certificates by Capt. R. B. Wilson, Public Works Officer, certifying that they have completed prejourneyman training in their specialized fields. Kahley has been promoted to the rate of electrician after having completed 6,900 hours of instruction since November 1973. This instruction consisted of on-the-job training, International Correspondence School classes, Naval Technical Training Center courses, and classes taken at both Cerro Coso Community College and the Training Center. Jeff, an equipment mechanic, began the prejourneyman development program for trades and crafts personnel in June 1975. He has completed 4,336 hours of training in a three-phase program in the Public Works Department machine shop, classes at the Training Center, and at Cerro Coso College.

Complaints filed about motorists exceeding speed limit on Center

Complaints have been received regarding a few drivers going at excessive speed in the south Capehart area when school is dismissed in the afternoon — especially when the regular high school class day ends.

With the warmer weather, more small children will be out to play in all areas and may get into the streets riding bicycles, to get a ball or go across the street to see a friend. They can't always tell how fast a car is moving.

China Lake residents are urged to discuss this problem with teenage drivers and other motorists in their

family. Even the driver going at the posted speed limit may be going too fast to stop in time if a child suddenly runs out into the street. In the past, a youngster was struck by a car being driven within the Center's speed limit.

The prima facie law of California states that the driver will go no faster than it is safe to do so.

All vehicle operators on the Naval Weapons Center are reminded to observe the speed limit and be on the alert and prepared to stop in time if there are children on or adjacent to the streets on which they are traveling.

Promotional Opportunities . . .

(Continued from Page 2)

Equipment. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest; ability to follow directions in shop; dexterity and safety; ability to work as a member of a team.

Electronics Mechanic (Maintenance), WG-2463-1, JD No. 465N, Code 24621, (4 vacancies) — Duties of this position are to lay out, plan, design, build, test, install, maintain, troubleshoot and repair all types of highly complex integral devices, sub-assemblies and complete electronic units such as remote control and telemetry, instrumentation, data recording, boiler flame safety devices, diathermy, X-ray, electro-cardiac monitors and recorders, security alarms and devices, and voltage and frequency controls for power generating equipment. **Job Relevant Criteria:** Ability to do the work of the position without normal supervision; knowledge of industrial equipment operation, control and control repair; ingenuity; knowledge of electrical and electronic theory; use of test equipment; ability to troubleshoot. Ability to interpret instructions, blueprints, schematics, specifications, etc.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2022.

Physical Science Technician, GS-1311-8, PD No. 7832084, Code 3244 — (Known promotion potential to GS-11) This position is located in the Applied Science Branch, Advanced Technology Division, Ordnance Systems Department. The incumbent assists project personnel in the laboratory testing of fuel-air explosives and missile propellants. After discussing objective of tests with project personnel, the incumbent determines the proper chemical formulation mix and required curing time. He prepares a testing schedule, selects and modifies required equipment, formulates the substance being tested, and conducts the tests; alters tests as appropriate; responsible for control and storage of explosives under the cognizance of the Applied Science Branch. **Job Relevant Criteria:** Knowledge of formulation and forming of experimental explosives and developments; knowledge of chemistry, algebra, and college mathematics; ability to use a variety of chemistry and physics laboratory equipment; knowledge of rocket motor firing stands, hookup of firing lines, detonators, and squibs.

Aerospace Engineer, GS-861-12, PD No. 744501-1, Code 3274 — This position is located in the Solid Propulsion Branch, Propulsion Systems Division, Ordnance Systems Department. The incumbent directs and coordinates the design and development of one or more major propulsion system components, either in-house or by contract; mathematically predicts performance or design parameters; exercises technical supervision over draftsmen and junior engineers; plans and evaluates test of components; represents engineering team at meetings and contractors and other activities; and performs duties associated with project's personnel, fiscal, technical, and scheduling aspects. **Job Relevant Criteria:** Knowledge of solid propellant rocket motor design; knowledge of pyrotechnic delay design. Demonstrated skill in interpersonal relationships (working harmoniously with others, facilitating compromise, directing work efforts of

others); ability to communicate correctly and concisely, both orally and in writing.

Mechanical Engineer, GS-830-11/12, PD No. 7432084/7445071, (2 vacancies) Code 3273 — This position is located in the Systems Technology Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent designs mechanical and insulative (thermal) components for propulsion systems, conducts internal ballistics analysis, plans and coordinates component and system test and evaluation, plans and schedules fiscal and technical effort associated with area of responsibility, prepares written oral reports, and performs administrative duties associated with the positions. **Job Relevant Criteria:** Knowledge of propulsion systems and components. Knowledge of pyrotechnics and explosive devices. Demonstrated ability to plan and execute both technical programs and test-and-evaluation efforts. Ability to communicate correctly, both orally and in writing.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2293.

Clerk-Typist, GS-322-3/4, PD No. 7833016N, Code 325 — This position is located in the Electromechanical Division of the Fuze and Sensors Department and is physically located at the Electromechanical Laboratory, Salt Wells.

Duties and responsibilities include maintaining files and typing travel orders and vouchers, stub requisitions, official letters, reports, and general correspondence of a highly technical nature. **Job Relevant Criteria:** Typing skills; knowledge of Navy correspondence procedures; ability to meet and deal effectively with others. Applications accepted from status eligibles.

Woodworker, WG-4464-5, JD No. 459, Code 2591 — This position is located in the Traffic Branch, Material

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Bluejacket of Month selected . . .

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Appreciation from his division officer aboard the Ranger for outstanding performance of duty.

He is very active in sports at China Lake and was named Outstanding Athlete of the Year in the 1976-77 Admiral's Cup competition. This year, he has missed only one Admiral's Cup event and, at this time, is leading in the individual point standings with a total of 17, he said.

AZ2 Goode plays shortstop and third base on the Center's fast pitch softball team, was a guard on the Wild Bunch team in Division C of the China Lake Intramural Basketball League, and has signed up to play in this season's volleyball league.

AZ2 Goode, 26, is a 1971 graduate of Ballard Memorial High School in LaCenter, Ky., and attended Murray State University, Murry, Ky., as a physical education major before joining the Navy in March 1972.

He continued his education under the Navy's PACE program while aboard the Ranger and received his Associate of Arts degree in physical education in March 1974. His wife, Evyonne, is formerly of Trona, Calif.

AZ2 Goode, who has been assigned to the NWC for two years, said that he likes the Navy, its benefits and the security of a military career, but he is upset over the possibility of a change in the 20-year retirement policy.

After recruit training at Orlando, Fla., he

graduated third in a class of 50 at AZ "A" School at Memphis, Tenn.

For his selection as Bluejacket of the Month, AZ2 Goode and his wife will visit Bakersfield some weekend soon under the sponsorship of Paul Meyer, owner of Bakersfield Welding. They will have their room and meals paid for there, and also will receive the loan of a new Ford from Desert Motors in Ridgecrest to use in making the trip.

Tickets on sale for St. Patrick's dinner-dance

Tickets are now on sale for a St. Patrick's Day dinner-dance that will be held on Friday, March 17, at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest.

This event, which is co-sponsored by the Catholic congregations of the NWC All Faith Chapel and St. Ann's Parish in Ridgecrest, will feature a steak dinner with wine, Irish coffee and dancing to the tunes of a musical group led by Mike Garrett.

Thursday, March 16, is the deadline for purchasing tickets (priced at \$7.50 per person), which can be obtained after weekend masses at either the All Faith Chapel or at St. Ann's Catholic Church.

The tickets also are available during the week at the NWC Chaplain's Office, phone ext. 3506, or at St. Ann's School, phone 375-2110.

Dave and Katy Mechtenberg are the general coordinators of the St. Patrick's Day fete, which will begin with a social hour at 6:30 p.m. Dinner is to be served at 7:30 and dancing will start at 9.

Nominees picked . . .

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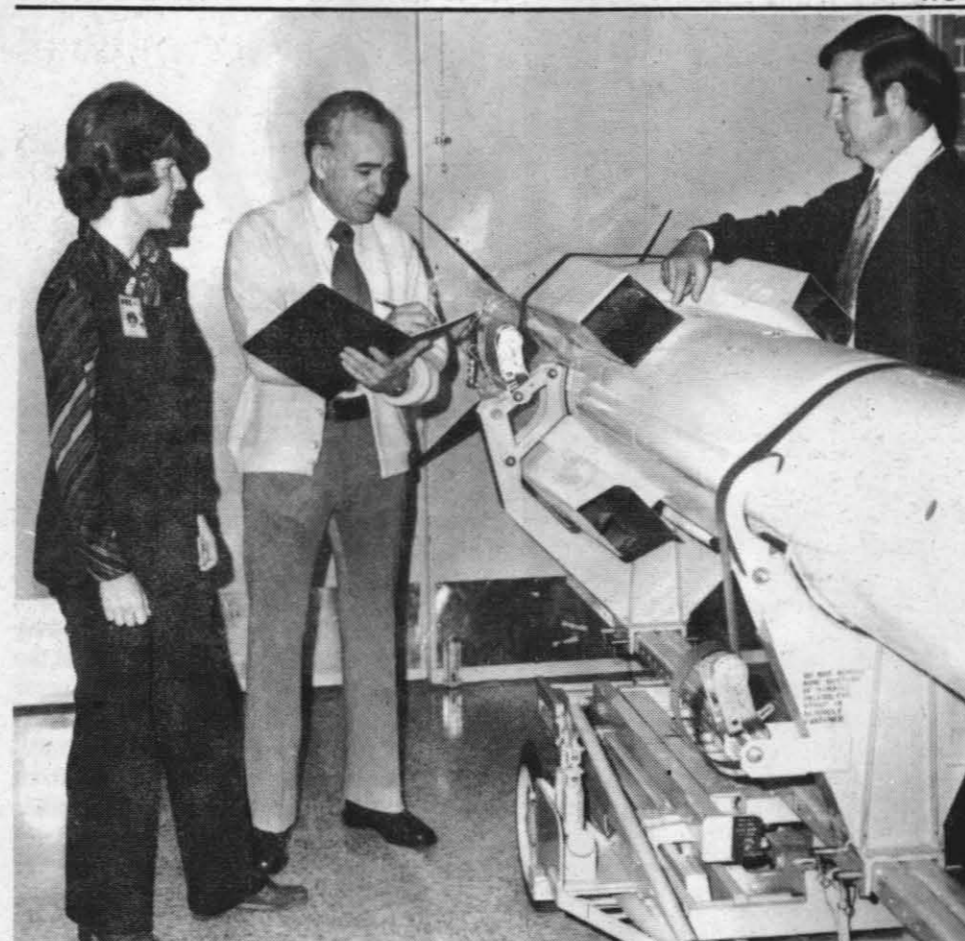
Although HM2 Conley was singled out as the 1977 Bluejacket of the Year from among all enlisted personnel at China Lake, since she is assigned to duty at the Medical Clinic (a separate command) AD1 Walker, runner-up for the 1977 Bluejacket of the Year honor, was chosen to represent NWC in the CNO Shore Sailor of the Year competition.

AD1 Walker is in charge of the Power Plants Shop at the NWC airfield, where he supervises maintenance work on the various types of aircraft used in project work or for transportation and supply.

AMH1 Lambrecht, the CNO Sailor of the Year nominee from VX-5, is one of four troubleshooters assigned to the squadron's Line Division. He is involved in the final checkout of aircraft before they take off — keeping an eye open for any type of minor repairs that may be needed to prevent problems during flight.



INSTALLATION CEREMONY HELD — Maj. Keith Manfull, U. S. Air Force retired (extreme right), receives the gavel as incoming president of the Indian Wells Chapter of the Retired Officers Association from NWC Senior Chaplain Capt. Theodore C. Herrmann, ChC, USN. The ceremony took place on Feb. 23, at the Commissioned Officers' Mess. Also installed were (left to right) Maj. Manuel Torres, U. S. Air Force retired, second vice-president; Lt. Col. Bobby Connors, U. S. Army retired, third vice-president; Warrant Officer Jim Elder, U. S. Navy retired, secretary-treasurer; and Lt. Col. Ben Hartman, U. S. Army retired, first vice-president. Chaplain Herrmann, who was installing officer, retired from the Navy last week. The association's outgoing president was LCdr. Lou Czerwonka, U. S. Navy retired.



GETTING THE DATA — Max Smith (r.) program manager for the supersonic tactical missile program in the Weapons Department, helps Sandy Gamble, a computer systems analyst, and Bob Garrett, a resource analyst, both from the Weapons System Cost Analysis Division of the Office of Finance and Management, gather the information they need to complete a life cycle cost analysis of the missile. —Photo by Ron Allen

Life cycle cost big factor in weapons development

By Mickey Strang

During World Wars I and II, for Korea, and for the war in Vietnam, weapons and weapon systems were designed with primary emphasis on performance with cost only a secondary item to be considered.

Now, however, with increasing competition for the tax dollar, both from within the Department of Defense and between the Department of Defense and other departments of the government, accurate estimates of life cycle costs of a weapon or weapons system weigh heavily in government decisions as to which of several potential competing systems will be developed. Potential performance must be balanced by cost.

The Naval Weapons Center's response to the new emphasis is centered in the work of the Weapons System Cost Analysis Division (Code 081) of the Office of Finance and Management.

Code 081 Responsibility

Code 081 is tasked to estimate life cycle costs of weapons systems (mainly conceptual tactical missile systems and components), and to assist engineers and scientists with "design to cost" operations.

Three phases are involved in estimating the life cycle costs of a system. First comes the RDT&E phase — from the time that the system is merely a concept in the mind of the engineer through the development of experimental hardware, testing of the hardware, and evaluating the potential of the result.

The second phase of life cycle costing involves estimating procurement costs to determine what manufacture of the system would run in order to ready it for deployment in the Fleet.

No Crystal Ball Used

The third phase of life cycle costing involves expenditures for operating and maintaining the system in the Fleet until it is phased out some decades later.

Does Code 081 use a super crystal ball for this?

Not at all, says Division Head Floyd Erickson. Statistical techniques and computer modeling are used to estimate life cycle costs.

Engineering drawings are analyzed, cost data examined, costs are estimated on the basis of prior experience and projections of future prices.

This is where one bit of crystal-balling is needed, notes Erickson wryly. Based on past experience, it is safe to assume that rising prices will continue; a crystal ball would help determine just how much they

will continue to rise.

Code 081 personnel work closely with personnel from the technical departments to develop the data base necessary for projections. Erickson stresses that the coordination of effort is essential for the division to support the operation of these departments.

"Our function is to protect the project engineer — to keep him from being surprised," says Erickson. This is done by giving him an honest estimate of the life cycle cost of his project, so that he will be prepared for any questions that may be asked of him.

Close Contact With Washington

"We interface with our counterparts in Washington informally, and know somewhat how they think," Erickson continued. "While there is great uncertainty in any results that we get, we try to give an honest and conservative appraisal to our project people so that when it is appropriate, they can advocate a project realistically. And advocacy is sometimes very much in order."

Erickson is quick to point out that his group does not deal directly with Congress or Congressional budget committees; the group is strictly a support function for the Center, and has taken outside work only when that has been appropriate to the NWC mission.

Unique Division

The Weapons System Cost Analysis Division is unique in the Navy laboratory community as being a recognizable entity that is both visible and visibly supported by Center management to perform honest life cycle costing.

It was formed in 1973 at the behest of Dr. Walter LaBerge, who was Technical Director at that time. The formation of the group had the enthusiastic support of Mel Sorge, head of Central Staff, the precursor of the current Office of Finance and Management.

Professional division staff consists of the division head, two computer systems analysts, four resource analysts, and four engineers.

When asked what he'd consider as the ideal background for a professional staff member in his division, Erickson laughs and says that such a person should have a technical background, come from a technical environment, have at least 25 years experience in the aerospace industry, have been exposed to manufacturing technology, and have a broad overview.

A knowledge of specific techniques of