

Rehearsals Now Being Held for 'My Fair Lady'

Pat Schwarzbach, instructor of Theatre 27 at the Desert Campus of Bakersfield College, and director of the Lerner-Loewe smash musical "My Fair Lady," slated for production on April 7, 8, 14 and 15, announced recently that rehearsals are under way.

"The cast has been chosen and most of the sets have already been constructed," the drama instructor said. "We are currently rehearsing two nights a week, and expect to have the play ready to go on schedule," she added.

Jeanne Gritton, well-known local songstress, has been cast as Eliza Doolittle, the flower girl transformed into a lady by Professor Henry Higgins (played by Jack Chandler). Mrs. Gritton has been seen in many local little theater productions, including "Brigadoon," "Camelot," and "Kiss Me Kate."

Chandler played the lead in the Theatre 27 production of "The Fantasticks," and had strong supporting roles in "Brigadoon" and "Show Boat."

Colonel Hugh Pickering will be played by Jack Lindsey and LeRoy Carson has the role of Doolittle, the lovable garbage collector who has a very philosophical outlook on life. Carson also was seen in the role of Doolittle in the Theatre 27 production of "Pygmalion," ("My Fair Lady," without music), and has been cast in many other roles on the local stage in the past.

Others who have supporting roles include Ann Lewing, as Mrs. Eynsford-Hill; Jim Harrelson, as Freddie; Elayne Roese, in the role of Mrs. Pearce, and B. J. Peck, as Mrs. Higgins.

Lord and Lady Boxington will be played by David and Karen Sepich, and John Hanne will be seen

as Zoltan Karpathy.

Chorus members include Ernie George, Gordon Wandell, Mary Vernon-Cole, Alan Gervasi, Randy Carson, Bob Townsend, Gary Thompson, Bob Norman, Debbie Wood, Melinda Kirkpatrick, Alice Carpenter, Karen Roberts, Anna-Marie Leibert, Pat Jamie, Nancy George, Marion Carter, Angie Lindsey, Debbie Sewell, Renee Tate, Marty Butrick and Wynn Musser.

Paul Riley is the music director for "My Fair Lady" and Mark Goza will handle technical chores. Kitty Lockwood has taken on the duties of choreographer and Bruce Amos and Don Keene are in charge of lights.

Curtis Barker is the student director and Inez Oakes and George Lindeat are designing the sets.

The show will be presented in the Burroughs Lecture Center. Tickets are priced at \$1.50 for adults and \$1 for students and children.

Book Sale Set On Saturday

A book sale to raise money that will be used to provide scholarships to the Arrowbear Music Camp this summer for deserving music students from Murray School will be held on Saturday from 9 a.m. to 5 p.m. in front of the Shopping Bag Market.

The fund-raising event is being sponsored by the China Lake Elementary Music Parents Club.

Contributions of used books in good condition are still being accepted and can be left at the sale or with either Mrs. Jean Backman, 513 Kearsarge Ave., phone 446-2325, or Mrs. H. R. Leon, 310 Toro St., phone 375-7778.

1-Man Art Show Now on Exhibit

A one-man show of oil paintings by Joseph Adler, which has been set up at the Community Center, will remain on exhibit through the end of this month.

Adler, a physicist in the Weapons Development Department, has lived in the local area since 1950 and has been trying his hand at painting for the past three years. Oil is his most frequently-used medium, but he has also worked with water colors and tempera paints.

Most of Adler's paintings are of local desert scenes, and the Randsburg area in particular has provided many of his subjects.

A Look Into The Past 25 Years Ago . . .

Dr. C. T. Elvey, for whom one of the craters on the moon has been named, delivered a lecture on "The Light of the Night Sky" to all interested residents . . . The Rocketeer reprinted the revised Housing Policy for those days. Some excerpts: An employee had to give up his house if he planned to take a vacation for longer than 26 working days . . . If he terminated voluntarily, he had 24 hours in which to vacate. If terminated for cause, they gave him 72 hours . . . and you think it's rough now!

15 Years Ago . . .

The Spring clean-up campaign swung into high gear with many individuals, clubs and organizations helping to spruce up the desert . . . Congressman Harlan Hagen reported that NOTS would soon get Capehart housing to help alleviate the housing shortage . . . Community Council elected to study the feasibility of adding a community hospital.

5 Years Ago . . .

Cmdr. W. L. Reardon, Jr., for whom Reardon Field is named, V. K. Whipkey, and Lt. Cmdr. R. R. Kornegay, lost their lives in a plane crash . . . Remember the Go-Go Girls at the COM?



FLOWER JUDGE SHOWS HOW IT'S DONE—Mrs. Edward E. Hall, of Woodland Hills, Calif., a nationally-accredited flower show judge, visited the local area on Thursday, March 9, to give a talk on flower arranging before the Oasis Garden Club. The club meeting was held on the patio of the Commissioned Officers' Mess in order that Mrs. Hall could give flower arrangement demonstrations.

Desert Honor Band, Chorus Festival Set Tuesday Night

The annual Desert Honor Band and Chorus Festival will be hosted by the China Lake Elementary School District on Tuesday, starting at 7:30 p.m., in the Burroughs High School Lecture Center.

The band and chorus are composed of students selected from Murray School, James Monroe School, Edwards AFB, Mojave, Boron and Rosamond schools.

Joseph Giesler, of Antelope Valley College, is to be the guest conductor for the band, and Robert Petker, of Bakersfield, will conduct the chorus.

Twenty-four Murray School students, and 21 students from the Indian Wells Valley Union School District, were selected to participate in the 71-member Honor Band. For the festival, the band has chosen an ambitious program, including the following numbers: "Marching Bugle Boy," the

"Washington Post March," "Air for the G String," "Dialogue in Fugue," and "Theme in Rock-Out."

The Honor Chorus will sing six numbers. They are "The Computer," "Kyrie," from The Mass, in G Major, "Faith," "A Song in the Wind," "Who's Lookin' for Glory?" and "Bridge Over Troubled Water."

The 62-member chorus includes 11 students from Murray School, and 18 from the IWV district.

The chorus and band will combine for the finale of the program, "From Sea to Shining Sea."

An admission price of 50 cents will be charged, with all proceeds designated to aid music students in the local area. Tickets will be available at the door on the night of the performance.

Bank Open During a.m. Only March 31

With the Easter season fast approaching, a reminder was issued this week that there will be a change in the hours of operation on Good Friday at the China Lake facility of the Bank of America.

On Good Friday (March 31), the bank will be open for business during the morning hours only—from 10 a.m. to noon.

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

FRI. 17 March

"T. R. BASKIN" (90 Min.)
Candice Bergen, Peter Boyle
(Drama) Small-town girl's caustic sense of humor and lack of inner faith helps her fail to find fame and fortune in Chicago. Her wisecracking wit upsets romantic interludes creating inevitable frustration. (PG)

"SENTINELS OF SILENCE" (19 Min.)
18 March

SAT. 18 March

—MATINEE—

"TROUBLE WITH ANGELS" (112 Min.)

"MOTHER MANGO" (7 Min.)

—EVENING—

"BLESS THE BEASTS AND CHILDREN" (102 Min.)

Bill Mumy, Barry Robins

(Drama) Stanley Kramer production has six youngsters trying to stop slaughter of a buffalo herd in relating their own status as misfits to that of the unwanted beasts. An engrossing, unusual film with ecology. (PG)

"PINTO PINK" (7 Min.)

SUN. & MON. 19-20 March

"THEY CALL ME TRINITY" (108 Min.)

Terence Hill, Bud Spencer

(Western Comedy) The lazy drifter-gunslinger was so fast with a gun that he was called "the right hand of the devil"! And his crooked brother was a wacky sheriff. Hilarious brawls and bloodless battles. TOPS! (G)

"GONE WITH THE WIND" (7 Min.)

TUES. & WED. 21-22 March

"THE ORGANIZATION" (107 Min.)

Sidney Poitier, Sherie North, Barbara McNair
(Crime Drama) "Mister Tibbs" moves to San Francisco settings where the police lieutenant fights a group associated with dope smuggling. Thrills galore in an unfinished subway system chase. Top cast. (PG)

"PAIR O' GREEN BACKS" (7 Min.)

THURS. & FRI. 23-24 March

"THE CACTUS FLOWER" (104 Min.)

Walter Matthau, Goldie Hawn

(Comedy) Wacky farce about a middle-aged dentist who evades marriage to his kooky young mistress by pretending to be married. When forced into showing his "wife" he recruits pretty ingrid, his loving receptionist. (PG)

"BUNGLED BUNGALOW" (7 Min.)

New Method...

(Continued from Page 1)

In recommending that Pearson, Sewell, Carlisle and Burford be singled out to receive Superior Achievement Awards, department officials were of the opinion that the four men "pursued the problem in a dedicated and vigorous fashion, demonstrating remarkable initiative and creativeness."

They devised a "grid method" for metal warhead casings in order to more effectively control the fragmentation process by producing a greater number of uniform size fragments from a given mass of metal through the elimination of larger fragments, as well as very fine ones.

As it turned out, the application of the award recipients' findings not only effectively controlled the fragmentation process to meet varied requirements, but considerably reduced production time and cost.

In forecasting what will happen when full production is initiated, a value engineering study indicates that the "grid method" will result in a savings of \$5,400,000 over a three year period in connection with just one of six NWC weapons programs in which the new system will be used.

Recalling the circumstances that

nwc rocketeer

Naval Weapons Center
China Lake
California

Vol. XXVII No. 11



COOPERATION PAYS OFF—Employees in three Naval Weapons Center departments put their heads together to come up with what is both an improved and less costly method of controlling warhead fragmentation. In recognition of their accomplishment, Superior Achievement Awards were presented this week to John Pearson, Robert G. S. Sewell, Richard T. Carlisle and Milton K. Burford, who are shown with their department heads during the presentation ceremony. Pictured are (from left) Leroy Riggs, head of the Electronic Systems Department, Carlisle, Sewell, Dr. Hugh Hunter, head of the Research Department, Pearson, Dr. G. W. Leonard, head of the Propulsion Development Department, Burford, and P. E. Cordle, head of the Conventional Weapons Division in Code 45.

Timely Effort by NWC Fireman Saves Year-Old Trona Tot's Life

Because a Naval Weapons Center fireman was in the right place at the right time and (more importantly) was well trained to assist in an emergency, a year old Trona youngster is alive today.

Man of the hour Saturday night was Wesley Hobbs, a lieutenant in the China Lake Fire Division, who serves as a crew chief assigned to fire station No. 3 at the Naval Air Facility.

Hobbs' timely effort in administering mouth-to-mouth resuscitation to year-old William Toler, Jr., of Trona, earned him a letter of commendation from Rear Adm. W. J. Moran, Commander of the Naval Weapons Center, that was presented on Tuesday at the main fire station by Lt. Cmdr. R. M. St. Germain, head of the Security Department.

Recalling the circumstances that

Educational TV Gets FCC Green Light

Authorization has been received from the Federal Communications Commission for full-time transmission here of Channel 28 (educational TV) programs via facilities at the Laurel Mt. TV booster station.

According to Dick Furstenberg, who is in charge of the crew responsible for maintenance of the local TV booster and translator equipment (an operation paid for from recreation funds—not tax money), final inspection of the newly-installed Channel 28 equipment by FCC personnel is still pending, but has not held up authorization to go ahead with

(Continued on Page 3)

led up to his timely intervention, Hobbs, who is a veteran of nine years service with the fire division at China Lake, stated that he was drying some clothes at a laundromat in Ridgecrest at around 9 p.m. last Saturday.

Having noticed earlier that a

woman with an infant son was in another part of the same building, Hobbs perked up his ears when he heard a minor commotion and someone saying: "He's stopped breathing, call the police."

Moving quickly to investigate,

(Continued on Page 3)



JOHNNY-ON-THE-SPOT—The capable and timely assistance of Wesley Hobbs, a Naval Weapons Center fireman, on Saturday night saved the life of a year-old Trona youngster. Mouth-to-mouth resuscitation brought the youngster around after his breathing had stopped when he was stricken by convulsions.

March 17, 1972

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Improved Method Of Controlling Warhead Fragments Devised

Superior Achievement Awards totalling \$352.50 each were presented Tuesday morning to four employees of the Naval Weapons Center who have devised an improved method for controlling warhead fragmentation.

Recipients of the awards, whose work will result in an estimated savings of \$309,600 on the prototype that is now in pilot production, were John Pearson, head of the Research Department's Detonation Physics Division; Robert G. S. Sewell, a physicist in the same division; Richard T. Carlisle, an engineer in the Program Management Division of the Electronic Systems Department, and Milton K. Burford, a mechanical engineer in the Conventional Weapons Division of the Propulsion Development Department.

In warhead technology, fragmentation was semi-controlled in the past by the method of cutting grooves in the outer surfaces of the warhead's metal casing, or by placing specially prepared plastic liners of predetermined shape between the inner surface of the warhead casing and the explosive.

These costly and time consuming methods initiated fragmentation, but did not effectively control it.

With the requirement for large numbers of single and multi-walled warhead casings, in various sizes and shapes, the problem became acute in the matters of costs, production time, and increased efficiency in fragmentation control.

The four award recipients, after reviewing the problem, determined that a more effective, efficient and less costly method of controlling fragmentation was in the realm of possibility.

(Continued on Page 8)

Calling attention to the successful inter-departmental cooperation that resulted in a greatly improved and less costly means of controlling the size and shape of warhead fragments, the Superior

(Continued on Page 3)

Talk About School District Unionization Is Premature

The hope expressed last week by China Lake Elementary School District officials that the way might now be clear for moving ahead with unionization (combining) of China Lake and Indian Wells Valley elementary schools has since proven to be premature.

It was learned at the March 9 meeting of the IWV Union School District board of trustees that combining the two local elementary school districts would have the effect of nullifying the recent successful election that was held to qualify the Ridgecrest and Inyokern schools for state loan assistance for new construction.

Joining together of the two elementary school districts would change the boundaries of her district, Mrs. Ruth Lewis, superintendent of the Indian Wells Valley School District, explained. If this was to happen, another election would have to be held to gain approval of both school bond and state loan issues by voters of China Lake, as well as those in Ridgecrest and Inyokern.

Her district, Mrs. Lewis said, needs to look at the question of unionization and obtain the advice of the county counsel, as well as county and state school officials. "There are alternatives, and we need to look at them all to see

which would create a minimum of problems," she added.

The earliest that the two elementary school districts could be combined (by unionization) is a year from June, Mrs. Lewis stated, and a vote on this question could be delayed until next fall.

Interest of China Lake Elementary School District officials in such a move has been aroused due to the fact that enrollment in the China Lake district is dropping, and recent approval of both school bonds and a state loan request by voters of the Indian Wells Valley district has allayed China Lakers' fears about combining with a school district that was in financial trouble and on double sessions.

At a special meeting of the China Lake school board, held at noon last Friday, announcement was made by Dr. Paul Smith, district superintendent, that due to the drop in enrollment, notice has been given to seven teachers informing them their contracts, which expire in June, will not be renewed.

At this same meeting, trustees of the China Lake district went on record "strongly in favor of a continuing study of unionization of the China Lake and Indian Wells Valley elementary school districts."



CLASS IN SMALL BOAT HANDLING—Earl Hart (in uniform), Public Education Officer of Flotilla 76, U.S. Coast Guard Auxiliary, supervises a class in the reading of charts and compasses. The special training session is part of an eight week Aids to Navigation class set up by the Flotilla to help small boat owners with the operation of their craft. Other class sessions will cover rules of the road and legal responsibilities, and safety. The classes are held on Tuesday and Thursday nights at 7 o'clock in the Boat Club clubhouse, 355-B McIntire St. on the Naval Weapons Center. The public is invited to attend.

Center Library Lists New Books

New library hours: Monday-Friday—2-9 p.m.; Saturday 10 a.m.-4 p.m.
Readers are reminded that all employees, regardless of residence, are eligible and most welcome to use the Center Library.

Fiction
Kazan—Assassins.
Latham—The Longer the Thread.
Le Carré—Naive and Sentimental Lover.
O'Hara—Ewings.
Seton—The Sea Change of Angela Lewis.
Wambaugh—Blue Knight.

Non-Fiction
Barry—Confessions of a Basketball Gypsy.
Brayer—Guide to the Soviet Navy.
Campbell—The World of Ponies.
Dowling—The Skin Game.
Edel—Henry James.
Foner—America's Black Past.
Goreau—Bridge Complete.
Gurney—A Pictorial History of the United States Army.
Hughes—New Negro Poets: U.S.A.
Missidine—Score Better at Trap.
Montessori—The Child in the Family.
Mooney—Hindenberg.

Munsey—The Illustrated Guide to Collecting Bottles.
Oberdorfer—Tel.
Palmer—Introducing Pattern.
Palmer—This Was Air Travel.
Pigott—Gilding.
Polley—America's Folk Art.
Poor—4 days, 40 hours.
Westoff—From Now to Zero.
White—No Quittin' Sense.

Swim Pool Closed

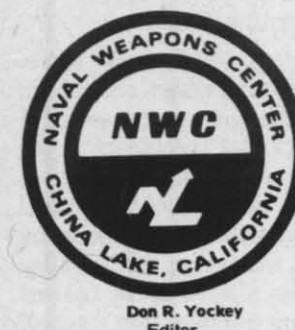
The Naval Weapons Center swimming pool will be closed on Saturday and Sunday in order to permit workmen to proceed with remodeling not yet completed.

The swimming pool will re-open for use on Monday at 4 p.m.

The Rocketeer

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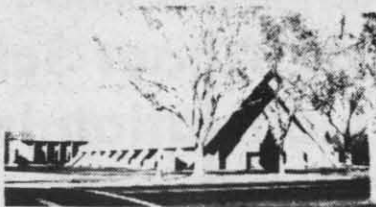
News Stories Tuesday, 4:30 p.m.

Photographs Tuesday, 11:30 a.m.

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Phones 3354, 3355, 2347



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1000
Sunday School All Ages 0830
1900
Sunday Evening Bible Study 1130
Wednesday Bible Study 0645
Wednesday Teenage Bible Study 0645
Sunday School Classes are held in the Chapel Annexes 1, 2 & 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.
Communion—first Sunday of the month

ROMAN CATHOLIC
MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL
MASS
Daily except Saturday 1130
First Friday ONLY 1130 1700
First Saturday ONLY 0830

CONFESSIONS
Saturday 1545 to 1645
Sunday 0800 to 0825

CCD CLASSES
Sunday Kindergarten through 6th grades 1000
Wednesday 7th and 8th grades 1900
As announced 9th through 12th grades.

JEWISH SERVICES
EAST WING—ALL FAITH CHAPEL
Friday 1st and 3rd ONLY Sabbath Services 2000
Saturday Sabbath School 1000 to 1200

UNITARIANS
CHapel ANNEX 95
Sunday Services 1930

Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant, and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

Worship Services.

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PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 453, Extension 2049. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Budget Clerk, GS-591-4 or 5, PD No. 35184, Code 4002—This position is that of budget clerk in the Budget and Fiscal Office, Department Staff, Weapons Development Department. Duties include fiscal reports, budget preparation, expenditure control, maintenance of job orders and customer orders to maintain departmental fiscal records. Job Relevant Criteria: Good knowledge of budget and accounting procedures as applied to NWC. Must be able to type. Minimum Qualification Requirements: GS-4, 1 year general experience and 1 year specialized; GS-5, one year general experience and two years specialized in accordance with CSC Handbook X-118.

Clerk-Typist, GS-322-3 or 4, PD No. 7035088, Code 40408—This position is located in the A-7E Program Office, Weapons Development Department. Incumbent will type from rough draft or handwritten copy all types of letters, charts, memoranda, official correspondence, reports, forms, etc. Miscellaneous duties will consist of answering phones, placing and receiving long distance calls, receiving visitors, arranging for travel for members of the branch, keeping time cards, sorting and distributing mail and whatever duties required to maintain an efficient office. Minimum Qualification Requirements: GS-3, one year experience and GS-4, two years experience in accordance with CSC Handbook X-118.

File applications for above with June Chipp, Bldg. 34, Rm. 204, Phone 2577.

Mechanical Engineer GS-530-7, 9 or 11, PD No. 7230039, Code 3053—Responsible for design, development, analysis and testing of servo systems (pneumatic, hydraulic and electro-mechanical). Other duties are to conduct mechanical design and analysis including structural, dynamic, thermo and aerodynamic analyses. Required to use analog and digital computer techniques to various degrees for these analyses. Designs mechanical hardware, coordinates the fabrication and assembly, and conducts necessary evaluation tests. Minimum Qualifications: Outlined in CSC Handbook X-118. Job Relevant Criteria: BS degree in mechanical engineering with experience in design, analysis, and preparation of documentation is required.

File above applications with Dora Childers, Code 457, Ph. 2514.

Electronics Engineer, GS-455-11 or 12, Code 3507—Position is located in the Standard Arm

Program Office, Electronic Systems Department. Incumbent will provide technical assistance to government and contractor personnel in resolving service problems associated with the Standard Arm Weapon System. Will be involved with every aspect of the weapon system including missile, avionics, logistics, training, documentation, procurement, testing, analysis and liaison. Must communicate effectively with all levels of technical and management personnel. Prepares reports as necessary for submission to cognizant Navy offices. Travels frequently to participating activities in the Southern California area and occasionally to more distant locations within and outside CONUS. Minimum Qualification Requirements: Two years of general and three years of specialized experience in accordance with CSC X-118 Handbook. Job Relevant Criteria: Experience in weapons system operation, maintenance and testing. Also broad knowledge of engineering principles, methods and techniques in the electrical, electronic and mechanical fields.

Engineering Documentation Specialist, GS-301-11 or 12, Code 3507—This position is located in the Standard Arm Program Office, Electronic Systems Department. Incumbent serves as a documentation specialist assisting in the direction of contractor effort concerning manuals, configuration documentation, and changes (ECP's). Develops or independently monitors all drawings, manuals ECP's for the Standard Arm missile. Sets up and maintains a system for review and approval of all documentation. Acts as configuration control co-ordinator between the Center, various government agencies and the contractor. Responsible for all configuration control documentation, drawings, contracts, proposals and work assignments for completeness in the area of configuration management. Minimum Qualification Requirements: Three years of experience in engineering documentation. Job Relevant Criteria: The incumbent must be familiar with configuration management in general and the documentation process and controls of missiles in particular. Must be experienced in documentation control, management of a documentation control center and evaluation of documentation packages.

File applications for above with Sue Praslowicz, Bldg. 34, Rm. 204, Phone 2577.

Physicist, GS-1210-11 or 12, or General Engineer, GS-501-11 or 12 (1 position) Code 35093—This position is located in the Reliability Analysis Section, Analysis Group of the Electronic Systems Department. The function of the Reliability Analysis Section is to provide reliability, maintainability and quality assurance support to programs within the department. The incumbent's general assignment is preparation and implementation of programs for complex electronic systems with particular emphasis on anti-radiation weapons. The spectrum of duties entails by this assignment ranges from initial program development through performance of elemental tasks such as reliability allocation and prediction, failure mode and effect analysis, electronic component selection and qualification, and failure analysis/corrective action determination, to coordinating program elements among cognizant NWC organizations, other governmental activities and industrial contractors. Minimum Qualification Requirements: Three years of appropriate professional experience in the reliability discipline and compliance with the requirements of CSC Handbook X-118. Job Relevant Criteria: Broad background in reliability engineering disciplines with emphasis on analysis activities associated with hardware design, test and evaluation.

File applications for above with Sue Praslowicz, Bldg. 34, Rm. 204, Phone 2577. General Engineer, GS-501-12, 13, 14 PD No. 7240035, Code 4007—This position is located in the CHAPARRAL Program Office, Weapons Development Department. The incumbent will coordinate feasibility program for the vertical launch of existing Chaparral and Sparrow missiles. Will serve as the NWC Point defense program deputy engineer coordinating both on and off-Center activities. Job Relevant Criteria: A minimum of two years experience in the general area of missile development and project coordination. Must be familiar with all phases of weapon development. Experience: must include development, production, fleet support, reliability maintainability, documentation test and evaluation. Minimum Qualification Requirements: In accordance with CSC Handbook X-118.

General Engineer, GS-501-13, 14, PD No. 7240034, Code 4007—This position is located in the CHAPARRAL Program Office, Weapons Development Department. Incumbent will act as senior advanced point defense engineer reviewing and coordinating development efforts in areas of dual mode seekers, propulsion systems, vertical launch concepts, advanced fuse concepts, etc. Will provide review of NAVORD Advanced Point Defense planning documents and program elements. Job Relevant Criteria: Familiarity with NAVORD Systems Command Management organization and other Navy facilities in the area of ships weapons systems. Three years experience in the area of weapon development from concept formulation through fleet use is required. Experience shall include: development, production, fleet support, reliability, maintainability, documentation, test and evaluation. Minimum Qualification Requirements: In accordance with CSC Handbook X-118.

File applications for above with June Chipp, (Continued on Page 7)

Health Plan Open Season Is Reopened

Another open season for enrollment in health insurance plans that are available under the Federal Employee Health Benefits Program has been scheduled from March 15 through April 14.

As was previously announced by the U.S. Civil Service Commission, re-opening of the health plan open season follows the establishment of 1972 premium rates that have now been set in accordance with Price Commission guidelines.

An open season from April 1 through 30 also is provided for enrolled annuitants, but it will be handled by their Civil Service retirement system.

During this health plan open season, as in previous ones, employees who are not now enrolled may sign up, while those who are already enrolled may elect to change plans, options, and type of enrollment (self-only to family, for example).

Any changes that are made by employees in their health plan coverage during the open season from March 15 through April 14 will become effective on the first day of the first pay period that begins on or after April 15, 1972. New enrollments also will be effective on this date if the employee was in a pay status during any part of the preceding pay period.

The new premium rates and new government contribution rates (for most plans) also are effective on the first day of the first pay period that begins on or after April 15, 1972. In addition, it should be noted that the new rates will require an adjustment in the amount withheld from paychecks to cover health plan insurance for a large majority of NWC employees, whether or not they elect to change their health insurance coverage during this open season.

Plan benefits for 1972 are the same as for 1971. Therefore, new brochures are not being printed. The 1971 or 1972 brochures previously distributed may be referred to for plan benefits. However, premium rates shown in these brochures are not applicable after the open season.

The government contribution is increased to \$3.79 for a self only enrollment, but to no more than 50 per cent of the total premium of a particular plan or option. To find out the changes, employees should compare their present withholding rate with the new rate. The monthly withholding rate is approximately 2-16 times the bi-weekly rate.

The new biweekly premium rates for 1972 are shown on the accompanying chart.

Dime-a-Dip Dinner Slated

The Junior class of Burroughs High School will sponsor a dime-a-dip dinner next Tuesday, from 4:30 to 7 p.m. in the multi-use room. On the buffet will be food for all tastes and types. Residents of the Indian Wells Valley are invited to bring the family and eat-out that night. All proceeds will go into a fund that will be used to help cover the expenses of the annual Junior-Senior prom.

PLAN (OPTION-TYPE ENROLLMENT)	OLD TOTAL PREMIUM	NEW 1972 BIWEEKLY PREMIUM RATES		
		TOTAL PREMIUM	GOVMT. PAYS	EMP. PAYS
SERVICE BENEFIT-BC/BS				
HIGH SELF	11.06	11.06	3.79	7.27
HIGH FAMILY	26.98	26.98	9.48	17.50
LOW SELF	4.80	4.80	2.40	2.40
LOW FAMILY	11.76	11.76	5.88	5.88
INDEMNITY BENEFIT-AETNA				
HIGH SELF	9.79	9.79	3.79	6.00
HIGH FAMILY	24.26	24.26	9.48	14.78
LOW SELF	5.36	5.36	2.68	2.68
LOW FAMILY	12.80	12.80	6.40	6.40
GOVT EMPLOYEES HOSP. ASSN.				
HIGH SELF	8.73	9.34	3.79	5.55
HIGH FAMILY	19.10	20.45	9.48	10.97
LOW SELF	7.14	7.63	3.79	3.84
LOW FAMILY	13.82	14.80	7.40	7.40
AMER. FEDER. GOVT. EMPL				
HIGH SELF	7.95	8.58	3.79	4.79
HIGH FAMILY	20.89	22.57	9.48	13.09
LOW SELF	4.74	4.74	2.37	2.37
LOW FAMILY	13.82	13.82	6.91	6.91
NAT. ASSN. LETTER CARRIERS				
HIGH SELF	6.28	6.80	3.40	3.40
HIGH FAMILY	19.38	20.99	9.48	11.51
LOW SELF	4.26	4.62	2.31	2.31
LOW FAMILY	12.44	13.16	6.73	6.73
MAILHANDLERS BENEFIT				
HIGH SELF	6.68	7.66	3.79	3.87
HIGH FAMILY	17.88	20.72	9.48	11.24
LOW SELF	4.92	5.92	2.96	2.96
LOW FAMILY	14.10	16.94	8.47	8.47
ALLIANCE HEALTH BENEFIT				
HIGH SELF	6.42	7.40	3.70	3.70
HIGH FAMILY	16.74	19.34	9.48	9.86
LOW SELF	3.24	3.76	1.88	1.88
LOW FAMILY	8.26	9.56	4.78	4.78
AMER. POSTAL WORKERS UNION				
HIGH SELF	10.00	10.75	3.79	6.96
HIGH FAMILY	20.25	21.95	9.48	12.47
LOW SELF	4.80	5.80	2.90	2.90
LOW FAMILY	11.86	14.16	7.08	7.03
ROSS-LOOS				
HIGH SELF	7.82	7.82	3.79	4.03
HIGH FAMILY	18.51	18.52	9.26	9.26
KAISER-SOUTH CALIF.				
HIGH SELF	8.99	9.84	3.79	6.05
HIGH FAMILY	23.43	25.60	9.48	16.12

PROMOTIONAL OPPORTUNITIES

Bldg. 34, Rm. 204, Ph. 2676.

Property Disposal Assistant, GS-1104-7, PD No. 425012, Code 2597—This position is located in the Supply Department, Material Division, Disposal Branch, Naval Weapons Center. Incumbent makes receipts for property, supervises segregation of materials, prepares commercial descriptions of sales items, lots or groups sales items. Recommends appropriate method of sale and directs display of items. Is responsible for the operation of two scrap yards. Minimum Qualification Requirements: Three years of general supply experience plus two years specialized experience for GS-9 level and three years of general supply experience plus 1 year specialized experience for GS-7 level, which must have included responsibility for the examination, classification, segregation, redistribution and utilization, sale, donation, abandonment or other disposal of surplus and obsolete property or of salvageable and waste materials. Job Relevant Criteria: Must have working knowledge of the Navy Supply System with particular emphasis toward the Disposal Program. Advancement Potential: GS-7 to GS-9.

File applications for above with Claire Lewis, Bldg. 34, Room 204, Phone 3118. Electronics Engineer, GS-455-12, PD No. 7155091, Code 5533—General assignment is the design, development, testing, evaluation and documentation of telemetry units for this Center. The spectrum of duties ranges from original design through operational use of the telemetry system. Minimum Qualifications:

Three years professional experience one year of which is equivalent to GS-11 level. Job Relevant Criteria: Broad background in electronic engineering discipline including solid-state electronics and specifically in the airborne telemetry areas. Comprehension of other fields such as chemistry, mechanical engineering and metallurgy is required. Advancement Potential: GS-13.

Mechanical Engineering Technician GS-502-7, 8 or 9, PD No. 7155091, Code 5517—Prepares and conducts environmental tests of weapons systems and their components. Analyzes test requirements, prepares test plans, modifies test fixtures and establishes basic instrumentation requirements. Responsible for proper operation, functioning of all test conducted by his Section. Coordinates and assesses test data and prepares final report. Minimum Qualifications: Three or four years specialized and two years general experience including one year at next lower grade. Job Relevant Criteria: Background in mechanical or electronic test and fabrication. Proficiency in operating mechanical test machines and related equipment.

File applications with Joan Macintosh, Code 457, ext. 2371.

Three years professional experience one year of which is equivalent to GS-11 level. Job Relevant Criteria: Broad background in electronic engineering discipline including solid-state electronics and specifically in the airborne telemetry areas. Comprehension of other fields such as chemistry, mechanical engineering and metallurgy is required. Advancement Potential: GS-13.

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Employee In the Spotlight

"Before I came to China Lake, I kinda lived a gypsy existence," joked Lee Oldfield, Dr. Walter B. LaBerge's capable secretary.

Lee was born in Monroe, La., and during her childhood years she lived in Louisiana, Arkansas, Tennessee and Texas. "It seems we were constantly travelling," she recalled.

She was graduated from Hope High School in Hope, Ark., and went to work in that city for the Federal Youth Authority. Then she took a job as secretary for a contractor building defense housing at Camp Polk, La.

"I've been a secretary all my adult life," she commented. "I really think it's about the most exciting job a girl can have, if she's working for the right boss," she explained.

If Lee thought her travelling days were over when she entered the work force, she was mistaken. "I married an Army officer and that's when I really put on my traveling shoes." Lee lived in Pennsylvania, and California, then moved back to Louisiana and then on to Colorado and Puerto Rico.

Then in 1965, a single girl again, she came to China Lake to visit some relatives, and wound up working as a secretary-steno in the old Sidewinder Division when it was part of the Aviation Ordnance Department.



Kegler's Korner

By Jack Lindsey

With two weeks remaining in the Premier League, four teams are still in the thick of battle for the league title.

Last Monday night's action tended to tighten things up a bit as league-leading Loewen's took it on the chin from second place Ridgecrest Lanes. The Lanes' boys won three games, as did fourth place Columbia 300. Third place Ace-TV managed to win two games.

The way it stands now, Loewen's is a mere half game in front of Ridgecrest Lanes, while Ace TV is a full game out of first place and Columbia 300 resides only 2½ games from the top spot.

Ken Dalpiaz continued to bang away at the pins, hitting 225, and 259 for a 682 series. Ken has now averaged better than 217 for his last 12 games in this league. He and his partner, Chuck Albright, did all right in the Men's City Tournament doubles category, too, finishing up in second place.

George Barker had a good night, toppling the pins for a 255 and a 233, and wound up with a 662 series. Bob Hooper hit a big 254 on his way to a 630 series, and Dan Ryan rolled 227 and 211 in a 629 series. Bill Tomaras had a 231 single.

Men's City Tourney

Clif Yokota won the singles crown with a fine 696 series (counting handicap), while Champ Pearman placed second. In the doubles category, our own RC Jones and his teammate, Jim Bowen, combined to roll a 1271 (including handicap), good enough for first place. Dalpiaz and Albright finished with 1256.

The team events will take place at Hall Memorial Lanes tomorrow and Sunday. Forty-two teams have entered the tournament.

Sunday Sinners

Bill Gilmartin held the hot hand, hitting a 563 series, including a 205 game. Leslie French outdid the other women in the league with a fine 531 series, although Peggy Ames stayed right on her heels as she cracked out a 529 total. Leslie's three-gamer included a big 210 game.

Wednesday Handicappers

Pat Maddux shot 222, 200 and 174 to finish up with a 596 series last week. Nita Martin stayed in the running, hitting a 521 for second high of the night. Mary Jane Clark (506), Liz Furstenberg (503), and MarLyn Heeke (502) also bowled well.

PLEBE CLASS HAS 45 BLACKS

There are more blacks in this year's "Plebe" class of first year midshipmen at the Naval Academy than there were in the entire Academy a year ago. This past June 45 blacks were appointed to the Academy and began their four-year Midshipmen careers.



BOWMAN REACHES FOR THE BASKET—Herman Bowman (35) of NAF, tries a jump shot over the outstretched arm of John Taylor (20), defending for the Cerro Coso cage team. Cerro Coso won the game, 64-48, to sew up the title in Division A of the China Lake Intramural Basketball League. Watching the action, (backs to the camera) are Ron Black (10) of NAF, and Rich Dominguez (21) for Cerro Coso.

—Photo by Jack Learned

Cerro Coso Basketballers Wrap Up Division A Title

Cerro Coso cagers put the frosting on the cake Tuesday night as they routed the NAF Hawks 64-48 and laid claim to their first China Lake Intramural Basketball League championship.

The win changed the collegians' season record to 12-1 in Division A and safely removed any threat to their title hopes. Although one game remained to be played at this writing, Cerro Coso has nailed down the No. 1 spot.

The defending champions, Loewen's Lions, were upset last week by a tough Ace TV squad, 79-57, and this knocked the Lions out of the run for the crown.

Although it appeared Ace had its foot in the door and would put strong pressure on Cerro Coso, Ace was also upset and saw its title hopes go down the drain at the hands of the NAF Hawks, 69-61.

Had the Hawks then come on to beat Cerro Coso in their first meeting Tuesday and again last night, it would have thrown the league into a tie between CC and Loewen's.

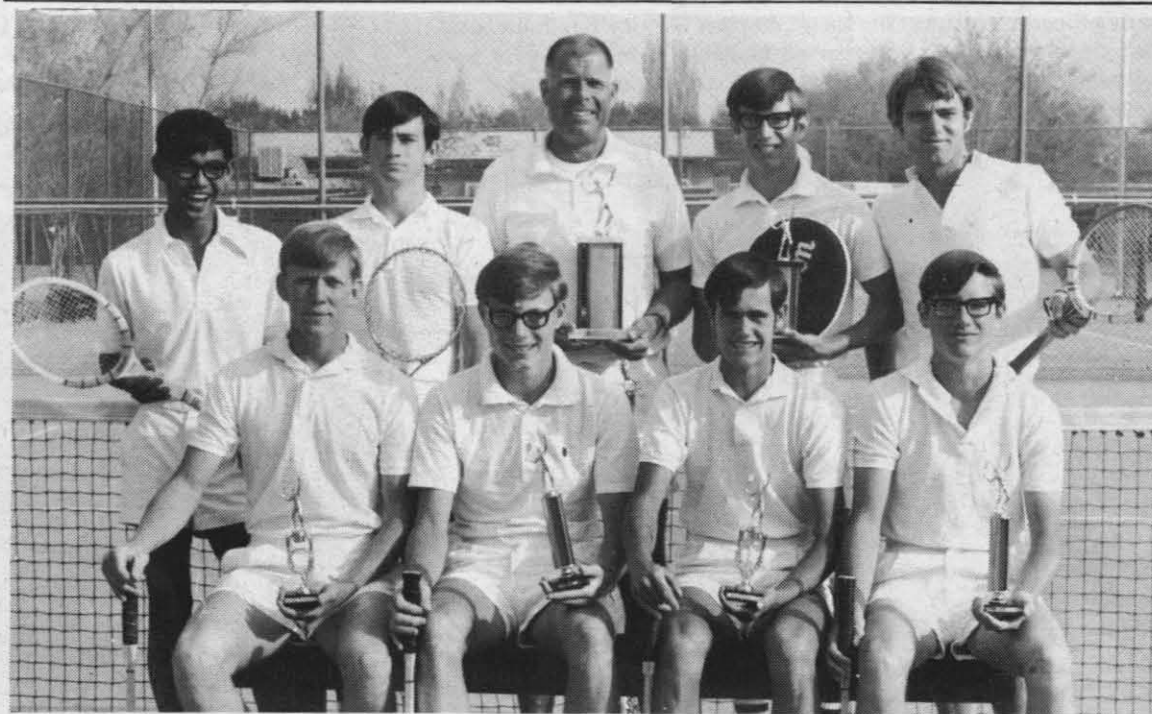
With Cerro Coso in the top spot the remainder of the Division A teams finished in the following order: Loewen's 2nd, Ace TV 3rd, NAF Hawks 4th, Odds and Ends 5th, VX-5 Vampires 6th, Wallbangers 7th, and Bud Eyre, last. The latter quintet held the unfortunate position of cellar-dweller throughout the season and finished with nary a win, 0-14.

In what turned out to be the title-winning contest for Cerro Coso, surprising Rich Dominguez led the

offense with 14 points in one of his finest performances of the year. Six-foot-seven center Mark Moore made his presence known as his tip-ins and follow-up shots gave the lanky collegian a 13 point total for the night.

For the NAF Hawks, it was a story of cold-shooting from the

(Continued on Page 7)



OFF TO A FLYING START—For the first time since Burroughs High has been involved in Golden League tennis competition, the Burros this past weekend walked off with the team title as well as championships in both the singles and doubles events of a pre-league tournament. Shown with the trophies they won at Victorville are (seated l-r) Bob Pritchett, Joe Strang, Steve Curran and Gus Beatty. Curran and Strang emerged as winners in the doubles play after turning back teammates Beatty and Pritchett, 6-2, 6-3, here on Tuesday. Coach Bob Gilkinson (standing in center) is flanked by his singles players who also helped to lead Burroughs High to the pre-league tourney title. They are (at left) Ted Ribault and Mike Knox, 2nd and 3rd singles, and (on right) Chuck Beatty and Ray Hocker, who garnered 1st and 4th singles honors, respectively. Beatty defeated Don Dudley of Victor Valley, 6-1, 6-0, to win the singles crown.

—Photo by PH3D. W. Yeatts

Spotlight On Sports

By Jack Learned



Perhaps the most abused person in any sport, pro or amateur, is the guy who calls the shots—the referee.

From baseball to hockey they're booed, hissed, cussed and often socked in the eye. It's actually a dangerous business to be in!

Fans, players, and sportswriters, and probably their wives, too, have few kind words for the men in the striped shirts. But, right or wrong, good or poor, the game could not go on without them.

My purpose is not to explain the motivation behind these fellas, however, but rather to applaud what the local faction of this group has contributed to the perpetuation of athletic programs at NWC.

Meager pay, giving up time they could be spending with their families, and having to cope with endless trials and tribulations are little inducement for them to return to the court, or field, night after night. But they keep coming back and the leagues here are fortunate that they do.

I don't know if any trophies are given officials at athletic events, so I hope that this mention will be some consolation to them. All the people concerned with the athletic programs at China Lake thank you for your time and energy and appreciate your efforts to promote fairness and sportsmanlike conduct among all concerned.

WORTH MENTIONING: Teams from Marty Denkin's Youth League have played more than 150 basketball games this season. Over 250 youngsters, ages 8-17, have participated on 22 teams. Many of the young fellows have done some traveling as well, participating in recent tournaments held in Bakersfield and Delano and there is another one coming up next week at 29 Palms.

ON THE LINKS: Local duffers are trying to straighten their tee shots and improve putting techniques as the Commander's Trophy tournament comes into view. One of the yearly highlights at the China Lake club, the event is slated for April 22 and 23.

SPRING IS IN THE AIR and baseballs, golf balls and tennis balls are everywhere! For the bat and ball gang, softball will get underway on May 8. Further information about registration and league meetings will be passed on as soon as it becomes available.

Tennis buffs interested in signing up for the annual spring tournament can contact Dick Boyd or Janie Cleaves for the particulars. If you're still a little rusty from the winter lay-off, the tennis courts are lighted and open for use daily from 8 a.m. to 10 p.m.

China Lake Volleyball Squad Takes It on Chin at 29 Palms

The China Lake team entered in the Mojave Desert Inter-Service League volleyball tournament, hosted at 29 Palms last weekend, came off a pressure-packed opening round win to salvage just one other victory in the nine-match schedule.

The local contingent defeated George AFB in the first round of play and then took on Los Angeles Air Force Station. LAASF won the match 15-4 and 15-12, to put China Lake in the losers' category.

In its third match, against Barstow, the China Lake team regained its composure and won 15-8, 15-6. But it was all to no avail, as this proved to be the squad's last victory of the tourney.

Pre-tourney favorites Edwards AFB, Nellis AFB and Norton AFB, plus the host team, all defeated China Lake.

The tournament was won by the Edwards volleyballers who unseated defending champion Nellis AFB. Los Angeles finished third

Fireman Saves Child's Life

(Continued from Page 1)

Hobbs found several persons clustered around a pickup truck that the driver was having difficulty getting started.

Identifying himself as a fireman, Hobbs offered his help to the youngster's distraught mother, who was seated in the vehicle with her young son, whose lips had already begun to turn blue.

Sizing up the situation at a glance, the NWC fireman wasted no time in beginning mouth-to-mouth resuscitation. After a dozen or so breathes, Hobbs' efforts were rewarded by seeing the tiny tot, who had gone into convulsions that constricted his throat muscles, begin to breath again.

The convulsions, attributed to a high fever and possibly a virus, ceased about five minutes after the infant regained consciousness and he began to breath again, Hobbs said.

An ambulance then arrived to take the Toler boy and his mother to the Ridgecrest Community Hospital where he was treated and held for observation until being

UC San Diego Prof To Speak Here Monday

A technical lecture entitled "Filtering Procedures for Non-Linear Systems" will be presented at 1 p.m. Monday in Conference Room A of Michelson Laboratory.

The speaker will be Prof. Harold W. Sorenson, from the University of California at San Diego's Department of Aerospace and Mechanical Engineering Sciences.

A 1957 graduate of Iowa State University with a B.S. degree in aeronautical engineering, Prof. Sorenson later received his Master's degree and PhD from UCLA in 1963 and 1966, respectively.

For a year, 1966-67, Dr. Sorenson was a guest scientist at the Institute for Guidance and Control, Oberpfaffenhofen, West Germany, and left there to join the faculty at UC, San Diego.

released Tuesday night.

Happy that he was able to assist in what otherwise might well have been a tragedy, Hobbs refused to accept a hero's role. "Any other fireman could have done the same thing," he observed.

Drive To Sign Up Voters Now In Progress

A drive to sign up those eligible to vote who are not yet registered before the April 13 deadline for the June Primary Election is now in progress.

Deputy vote registrars will be on duty this afternoon and throughout the day tomorrow at both the Shopping Bag Market in Bennington Plaza and at the K&R Market in Ridgecrest, Carol Panloui, voters' service chairman for the League of Women Voters, reports.

Vote registrars also will be available at these same two locations daily except Sunday during the period from April 3 to 13, when the current registration drive ends.

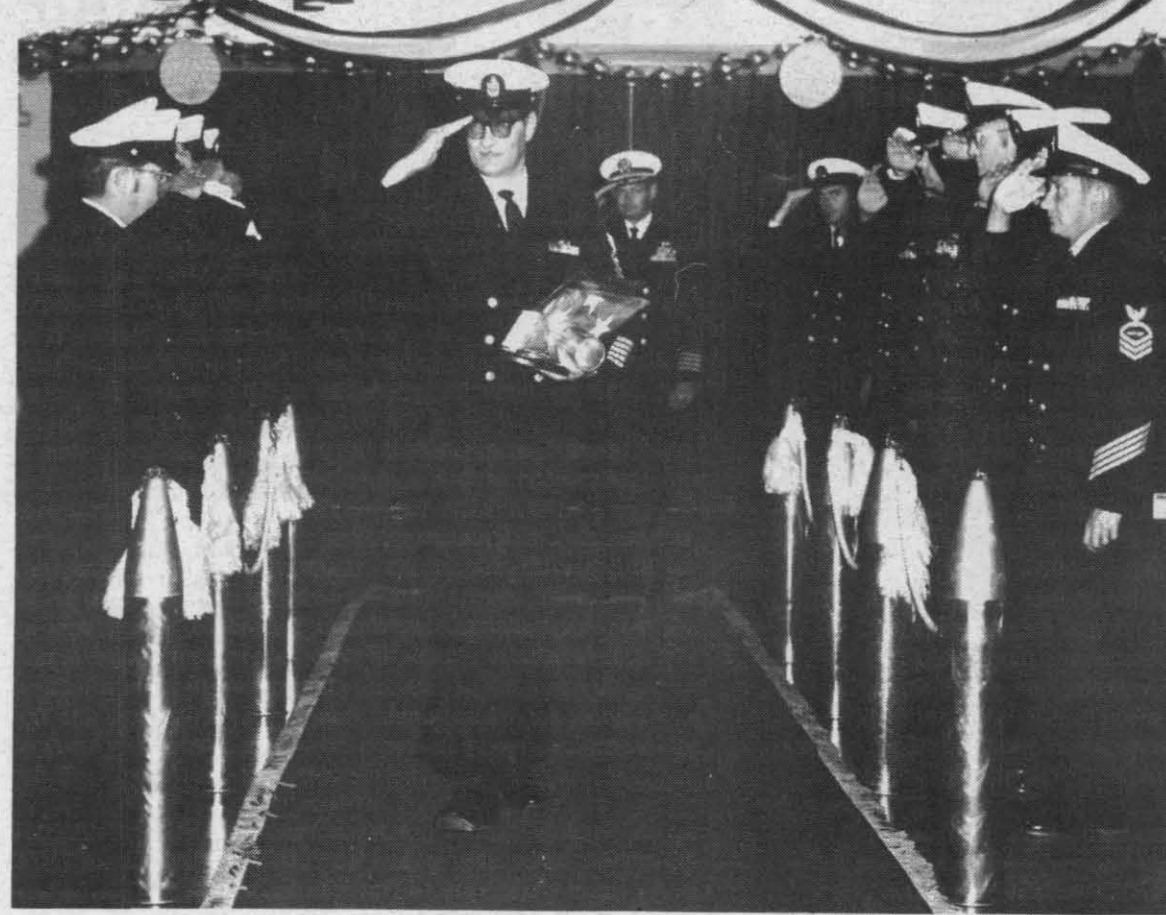
Everyone who is a citizen of the U.S. and who will be 18 years of age or over by June 6 is eligible to vote in the upcoming Primary Election. The vote registrars in this area will have change of address cards that can be filed by those who have moved within Kern County since the last election if they wish to maintain their eligibility to vote.

USC Professors To Be Here March 23

Two professors from the University of Southern California will be here next Thursday, March 23, to counsel students who are enrolled in the USC Graduate Program in Engineering.

The visiting professors are Nasser Nahi, whose field is electrical engineering, and C. Roger Freberg, a mechanical engineering instructor.

An appointment for a counseling session can be made by calling the Education Office, phone Ext. 2641.



ENDS ACTIVE DUTY CAREER—K. A. Edwards, a chief aviation electronics technician, was transferred to the Fleet Reserve following a recent retirement ceremony that marked the end of more than 20 years' service in the Navy. Chief Edwards served his last hitch with Air Test and Evaluation Squadron Five (VX-5) being transferred here from NAS, Atsugi, Japan, in December, 1968.

Go Ahead Given to Educational TV...

(Continued from Page 1)

transmittal of educational TV programs.

It has been found that local reception of Channel 28 (converted to Channel 55) requires an external TV antenna pointed south in the direction of Laurel Mt. The quality of the signal varies from place to place within the China Lake area, being affected by obstacles and even trees in some instances.

Richard Halen, principal of Groves School, reported that there have been some problems with the distribution system that has been installed for the purpose of disseminating Channel 28 programs to individual classrooms. On the whole, however, educational TV reception is good at Groves School where teachers are making use of two morning programs.

There has been difficulty, because of the school's lower elevation in relation to the surrounding neighborhood, picking up the Channel 28 signal at Richmond School.

While there is still some work to be done before all the problems have been eliminated in connection with receiving and transmitting educational TV programs in the local area, consideration also is being given by the China Lake Community Council's TV Booster Committee to the matter of improving the reception of VHF Channels 2 to 13.

According to John Crossley, Community Council treasurer, the TV Booster Fund (built up by contributions from local residents) still totals more than \$16,500 that is available for improvements to local TV reception. In addition, an amount (not yet decided upon) is to be contributed by the China Lake Elementary School District as its share of the cost of making educational TV available in the local area.

The latter sum, when it is received, will be added into the pot from which money will be drawn for use in upgrading TV reception.

Enrollment Slated in Four UC Santa Barbara Classes

Enrollment forms are now being accepted for a group of four University of California at Santa Barbara extension program courses that will be offered at China Lake during the spring quarter.

Interested students should submit a copy of NWC Enrollment Form 12410-28 to the Employee Development Division (Code 654) no later than Monday, April 3. Registration for the UC Santa Barbara classes will be held on one day only—Thursday, April 6, from 1 to 4 p.m. in Room 107 at the Training Center.

Non-government personnel, who will be charged a fee of \$20 per unit of credit, may enroll provided there is space available.

The courses to be offered, the day, time and place of the class sessions, and the instructor are as follows:

X116B Electronic Circuits, Tues. and Thurs. (starting April 18) from 4:45 to 6:45 p.m. in Room 107, Training Center, Douglas J. Sticht, instructor.

X411.1 Scientific and Technical Writing, Mon. and Wed. (starting April 17) from 4:45 to 6:45 p.m. in Room 107, Training Center, C. E. Van Hagan, instructor.

X423B Transistor Electronics in Engineering, Tues. and Thurs.

(starting April 18) from 4:45 to 6:45 p.m. in Room 203, Training Center, Richard A. Schmitt, instructor.

X492.3 Configuration Management, Tues. and Thurs. (starting April 18) from 7 to 9 p.m. in Room 203 Training Center, Charles Scarborough, instructor.

Textbooks needed for the above-listed courses will be on sale on weekdays from April 10 to 28 at the Cerro Coso College bookstore, located on the Burroughs High School campus. Students are responsible for purchasing their own texts.

New EEO Film Now Available

A new film that highlights the major aspects of the equal employment opportunity program is now available for showing and can be checked out by working groups around the Naval Weapons Center. The movie, a 16mm color production, is entitled "The Supervisor and Equal Employment Opportunity." Its running time is 37 minutes.

Working groups interested in checking out this film can make arrangements to do so by calling Stella Payne in the Employee Development Division, phone ext. 2648.



RECREATION AREA IMPROVED—Getting ready for the warm weather season, improvement work that is being carried out as part of the Navy Self-Help Program at the Naval Air Facility swimming pool is now nearly complete. Concrete block structures housing men's and women's shower and restroom facilities, and separated by a shaded snack bar in center, have been built with the help of four SeaBees and the volunteer aid of a group of around 10 enlisted men from NAF. Another SeaBee enlisted man is scheduled to report to China Lake this week and, joining the others already on board, will begin remodeling work at the NWC Enlisted Personnel Barracks (No. 880), where three wings are to be converted from cubicles to rooms.



NATIONAL PRESIDENT VISITS—F. E. McCulley (center), national president of the Fleet Reserve Association, was the guest of honor last week during a meeting of FRA Branch 95 at China Lake. McCulley, who is flanked by Harry Bond (at left) and Fred M. "Blackie" Mann, local and regional presidents, respectively, of the Fleet Reserve, reported on the progress of legislative bills sponsored by the FRA for the benefit of career Navy, Marine Corps and Coast Guard men and women.

Happenings Around NWC

A representative of the Social Security office in Lancaster will pay another in his regular series of visits to China Lake next Wednesday, March 22.

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

Back by Popular Demand
"The Golden State Music Co.," led by Bill Lee, has been invited back to the Jolly Roger (EM Club) to play dance music in celebration of St. Patrick's Day tonight, from 9 o'clock until 1:30 a.m.

Bob Furey, manager of the popular local nightery, has booked the band again for Saturday night, during the same hours.

Furey invites all members and their guests to attend and help celebrate "St. Patty's Day" with him.

Ceramic Show Slated

The annual hobby show, sponsored by and open only to entries submitted by members of the Desert Ceramic Club, will be held on Sunday and Monday at the Community Center.

This is a competitive event, and articles on display will represent top workmanship, Darlene Boy-

Flower Show Set March 23 In Ridgecrest

The public is invited to view "Spring Favorites," the fifth annual flower show of the Desert Empire District of California Garden Clubs, Inc., next Thursday, March 23, at St. Michael's Church, 200 Drummond Dr., Ridgecrest. The show will be held from 1:30 to 3 p.m. and will include horticulture and artistic arrangements emphasizing Spring flowers.

Prior to the showing, the District will hold a luncheon meeting at the Continental Buffet, in Ridgecrest, during which officers of the Desert Empire District will be honored guests.

Two local women, Mrs. Wallace F. Hirsch, second vice-president, and Mrs. George W. Daiber, Parliamentarian, are on the board.

ack, the club president, said. First, second and third place ribbons will be awarded in each class, along with trophies that will be presented for "best of class" and "best of show."

All residents of the area are invited to attend the Desert Ceramic Club's annual hobby show free of charge. It will be held from 5 to 9 p.m. Sunday and from 9 a.m. to 6:30 p.m. on Monday.

Safety Council To Meet

Good riding practices and safety around horses will be discussed by Mrs. Floyd Pickrell, of Bottom Acres Stables, at the March meeting of the Indian Wells Valley Safety Council.

The meeting will be held next Wednesday, March 22, at 7:30 p.m. at the NWC Safety Building. Anyone who rides, or who has children who ride horseback, is especially invited to attend this open meeting.

Artist To Speak

The Desert Art League will hold its March meeting on Monday at the Community Center at 8 p.m. Members and guests are asked to note that the meeting date has been moved ahead a week because of Easter vacation.

The guest speaker will be Lynn Karp, of Lancaster, who will present an oil painting demonstration. Karp teaches art at Edwards Air Force Base and in private classes. He was with the Disney Studios for many years and also has served as a newspaper staff artist doing cartooning and illustrating.

STC To Meet

A talk about the mission and work of the Naval Underwater Systems Center at New London, Conn., will highlight Monday night's dinner meeting of the Sierra-Panamint Chapter of the Society for Technical Communication.

The speaker will be F. H. "Pete" Hunt, Associate Director of Operations at NUSC, and the meeting will be held at The Hideaway in Ridgecrest, starting at 7 p.m.

Hunt, who is responsible for NUSC's technical communications, will discuss how the Underwater Systems Center handles its technical information.

Clean Air Goal of NWC Employee Converts Engine Of Mustang To Run on Propane

A lot of people talk about doing something to help reduce the problem of air pollution caused by auto exhaust emissions, but Jack Richards, a management analyst assigned to the staff of the NWC Public Works Department, is one of a comparatively few persons who have actually done something about it.

Richards' move, which he made last August, was to convert the engine of his 1968 Mustang from a gasoline consumer to a user of propane (liquefied petroleum) gas.

When looking into this matter, Richards discovered that at present there are no factory-equipped LP gas-fueled passenger cars—although some commercial vehicles with engines modified for use of propane can be found on the market.

The work of converting the V-8 engine in his Mustang to one capable of using LP gas was done locally in a day's time for Richards, who had a 19 gallon capacity pressurized tank to hold the propane installed in the trunk of his car and a special carburetor put under the vehicle's hood.

The liquid gas, stored in the tank under 250 lb. pressure, is vaporized as it goes into the engine. No fuel pump is necessary.

Richards' principal interest in having his car converted to use LP gas was due to the fact that he does a lot of low speed driving in the



NON-POLLUTER—The trunk of Jack Richards' 1968 Mustang encloses a special fuel tank containing propane (liquefied petroleum) gas. Unhappy over the way gasoline caused carbon to foul up the engine of his car, which he uses mainly for low-speed driving in the local area, Richards had his machine modified to use PL gas for fuel.

local area and he found that the carbon from gasoline was badly fouling up the engine in his car.

The use of LP gas has eliminated this problem and he finds that the oil in his car is just as clean weeks after he puts it in the engine as the day he bought it. LP-gas is always inducted into an engine in a vapor state. As such, it mixes readily with the intake air, and accumulations of carbon and sludge

are non-existent and the engine stays clean.

Richards has found that he is able to get around 10 miles per gallon using the less expensive propane gas on short trips in and around the local area. One of the reasons that he doesn't use his car to travel longer distances is that places where propane gas can be purchased on the road are few and far between.



TO BUY OR NOT TO BUY?—That seems to be the question this pensive visitor to the Computer Peripheral Designers Exhibition, held recently in the Community Center, is considering. This specialized exhibit was brought to NWC by Electronic Marketing Specialists (EMS), and was attended by more than 200 NWC employees, who observed operational displays of both on-line and off-line computer peripherals. These included paper tape punchers and readers, magnetic tape transports, both reel type and cassette, CRT displays, both alpha-numeric and graphic, line printers, core memory extensions, plated wire memory, op amps, D-A and A-D converters, power supplies and I-O typewriters. More than \$80,000 worth of equipment was set up in the Joshua Room of the Community Center by a team of EMS men led by Stu Reile. Dick Fryer, of Code 3031, was instrumental in bringing the exhibit to NWC.

—Photo by PH2 E. R. Ortiz



PROMOTED TO LIEUTENANT—James Seymour (at right) receives congratulations and a set of lieutenant's bars from Capt. C. "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five (VX-5) during a promotion ceremony held recently. Lt. Seymour had been waiting to receive the papers which authorized his promotion and was surprised (upon returning from a flight) to be called into the VX-5 skipper's office to receive the good news. Lt. Seymour has been working as his squadron's legal officer and assistant administration officer for the past year, and will soon take over the duties of line division officer.



CHIEF McMULLEN AGREES TO FOUR MORE—AGC Jerome E. McMullen is congratulated by Capt. R. E. McCall (left), Commanding Officer of the Naval Air Facility, following his re-enlistment for four more years. The 16 year Navy veteran is the chief petty officer in charge of the Naval Weather Service Environmental Detachment at NAF. He reported to China Lake two years ago following an assignment at the Naval Station Argentina, in Newfoundland.

—Photo by ADJ2 G. B. Kynard



SIGNS ON FOR SIX MORE YEARS—AMSC Robert D. Anderson is being given the oath of enlistment by Capt. R. E. McCall, Commanding Officer of the Naval Air Facility, during reenlistment ceremonies in the NAF office. Chief Anderson, who re-enlisted for six years, is a 17 year Navy veteran and has been at NAF for the past 18 months. He transferred to this assignment from VA-55, at Lemoore. He is the aircraft maintenance control chief for AMD at NAF.



Dr. Carl Austin To Speak At IEEE Meeting

Dr. Carl Austin, head of the Petrodynamics Branch of the Detonation Physics Division, Research Department, will be the guest speaker at a luncheon meeting of the Institute of Electrical and Electronic Engineers (IEEE), Monday, March 27, in the Commissioned Officers' Mess. The meeting will begin at 11:30 a.m. Dr. Austin will discuss the fundamentals of geothermal tech-



Dr. Carl Austin

nology for the primary purpose of electric power generation and how it might effect the national ecological program. He will relate to and use data from his recent analysis of the Coso thermal area, as well as information about hot springs thermal sources in New Zealand, Mexico and Italy.

Helmets, Goggles To Be Required On 'Cycle Riders

Beginning next Wednesday, March 22, helmets and goggles must be worn by all military and civilian personnel who operate (or ride as a passenger) motorcycles or mini-bikes on the Naval Weapons Center.

Helmets and goggles (or face shields) must meet the requirements of the American National Standards Institute. The approved items may be purchased, at cost, from the Safety Issue Room of the Safety Department. In cases where a motorcycle or mini-bike is equipped with an appropriate windshield, the wearing of a face shield or goggles is not required.



PROMOTED TO CHIEF—Valentin C. Pensader, petty officer in charge of the Bachelor Officers Quarters, is shown receiving a cap that goes along with his recent promotion to chief steward. The cap was presented to him by Lt. Cmdr. T. N. O'Hara, aide to Rear Adm. W. J. Moran, NWC Commander. Chief Pensader, who has more than 17 years of Navy service to his credit, reported for duty here in November, 1970, from NAS, Chase Field, Beeville, Tex.



TWO VX-5 MEN RE-ENLIST—Capt. C. "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five (VX-5) is shown reading the re-enlistment oath to HM1 Douglas Loving (at left) and extending his congratulations to AME1 Ronald H. Presnell following the latter's recent re-enlistment. Loving, a hospitalman first class assigned to the NAF Dispensary, has been with VX-5 for three years. He re-enlisted for two more years and is due to leave here soon for San Diego, where he will join Coast River Squadron One. Presnell, an aviation structural mechanic (emergency systems), signed on for three more years. He has been with VX-5 for 4 of the 12 years that he has served in the Navy.