

Kern County Art Festival Opens Tomorrow at Community Center

The Community Center will be the scene of the area show of the Kern County Art Festival this Saturday and Sunday as more than 700 entries will be in competition for ribbon awards.

Hours for public viewing are from 2 to 8 p.m. on Saturday and from 11 a.m. to 6 p.m. on Sunday.

The elementary division will have over 500 entries which have been prejudged by local teams of artists and teachers. All work in the elementary division must have been done in the classroom and no student may have more than two works entered in the area show.

Ribbon awards will be presented and there will be three sweepstakes awards, representing, in the opinion of the judges, the best of the blue ribbons in the following categories: kindergarten through third; fourth through sixth; and seventh through eighth grades. Schools entered are Las Flores, Ridgecrest Heights, James Monroe, Murray Annex, Seventh Day Adventist, and St. Ann's in Ridgecrest; Inyokern; and Vieweg, Pierce, Groves, Richmond, and Murray Junior High at China Lake.

Burroughs High School will have two divisions: freshman and sophomore; and junior and senior, with a sweepstakes award going to the best of the blue ribbon winners. Adult amateur artists also compete for ribbons and there also will be a sweepstakes award in this division.

Ribbons are awarded as follows: first place, blue; second place,

red; third place, white; fourth place, yellow; and honorable mention, green. First-place works then advance to the county finals that will be held at the Cunningham Gallery in Bakersfield, on May 5. The art will be displayed at Cunningham throughout the month of May.

Judging for the Community Center show will be done by a team of three persons who are from outside the local area but within Kern County. All are either art teachers or professional artists.

Sculpture also will be exhibited and judged and there will be a number of junior high entries entered in this category. Included will be papier mache, wood, and clay sculptures.

Professional artists will exhibit at the local area show and there will be an invitational crafts display, but neither will be in competition. The Desert Art League will award five paintings as door prizes. The artists who have donated their work are Betty Brown, Ida Davis, Ruth Mayer, Maxine Booty, and Ken Decker of Buena Park who has donated his demonstration painting from the February meeting of the Desert Art League.

Local artists will present demonstrations on Saturday and Sunday afternoons and there will be a snack bar where coffee, punch and cookies may be purchased. The popular miniature paintings donated by Art League members also will be offered for sale. Each is matted in harmonizing colors.



DONATES PAINTING — Ken Decker, an artist from Buena Park, puts the finishing touches on a watercolor painting that he has donated to the Desert Art League. The painting, which was part of Decker's demonstration during the March Art League meeting, will be given away as a door prize. Loyal Mayer, an illustrator for the Technical Information Department, and an Art League member, takes notes about the painting.

Classes May See 'Mikado' At Reduced Ticket Price

Pat Schwarzbach, director of "The Mikado," currently being produced by the Theater 27 class at Cerro Coso College, has announced that teachers and their pupils who wish to see the Gilbert and Sullivan comedy, may do so at a reduced rate.

Japanese culture, teachers who wish to bring their classes to the 2:15 p.m. Sunday matinee this weekend will be admitted for 75 cents per person," Mrs. Schwarzbach said.

Instructors in the Indian Wells Valley who would like to take advantage of this offer are asked to call Mrs. Schwarzbach at 446-4656 to make the necessary arrangements.

"The Mikado" is scheduled for four more performances—tomorrow night at 8:15, the Sunday matinee, and again on Friday and Saturday, April 13 and 14, at 8:15 p.m., in the Burroughs High School Lecture Center.

Suzanne Koerschner, student director of the production, pointed out that the elaborate costumes, designed by Louise Gillespie, can also be of instructional value to students. "They are as close to the real thing as our budget permitted," she stated.

"In addition, the music of Gilbert and Sullivan, which has been played by millions of musicians since "The Mikado" opened in 1882, is also worth studying," Mrs. Koerschner noted.

Tickets, priced at \$1.50 for adults and \$1 for children and military personnel, are available at The Gift Mart in Ridgecrest, the Station Pharmacy, from members of the cast, the Cerro Coso College office, or the door of the Lecture Center at performance times.

AFGE To Meet

The next regular monthly meeting of Local 1781 of the American Federation of Government Employees will be held at 7 p.m. Monday in the Joshua Room of the Community Center.

Good Friday Hours

The Bank of America branch office on the Naval Weapons Center will be open for business on Good Friday, April 20, from 10 a.m. to noon.

Clean-up Drive To Begin April 14

Homes, fences and yards will take on a new look aboard the Center, beginning on April 14, when the annual spring "Clean-Up, Paint-Up, Fix-Up" campaign, sponsored by the Public Works Department's Housing Division, will get under way.

Once again, the Housing Division will make available to tenants of Center housing, materials, paint and tools to aid individuals in giving their homes and yards a bright, new look.

"There are a few changes that have been initiated this year," said G. R. Ray, head of the Opera-

tions and Maintenance Branch. "Tenants will be asked to pick up and haul their own fencing materials and fence paint, and trash pick-ups will probably be provided only during the final week of the campaign," he stated. The special spring clean-up campaign will end on May 20.

Fencing materials, including 4x4 redwood posts, will be issued to tenants at Warehouse 28, located north of Blandly Ave., and west of Argus St. Also available at this location will be fence paint and redwood stain. Three colors of fence paint have been ordered by

the Housing Division for the spring clean-up. They are barn red, cottage white and barn green.

Tenants who desire either fencing material or paint must first contact the Housing office for prior approval. They will be given the directions to Warehouse 28 at that time.

Also available at the Housing office will be tools needed to repair fences and to get lawns in shape. These include post hole diggers, seeders, tree trimmers and rototillers. In addition, grass seed will be available at the Housing office.



SPRING CLEANUP ON THE WAY — Getting a jump on the annual spring Clean-Up, Paint-Up, Fix-Up month, sponsored by the Public Works Department's Housing Division, is this group of children from the China Lake Nursery School, led by June Pierce, right. The special period set aside for renovating yards, fences and homes is April 14 to May 20. —Photo by PHAN Jerry Sizemore

SHOWBOAT

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

FRI. 6 April

"TWO LANE BLACKTOP"

(CS 100 Min)
James Taylor, Dennis Wilson
(Drama) This picture is about a cross-country tour by a driver (James Taylor) and a mechanic (Dennis Wilson) in search of something in a souped-up Chevy, as they go from race to race. There are encounters with hitchhikers and difficulties in the setting up of money races, with some excitement in the races. (R)

SAT. 7 April

"FIVE WEEKS IN A BALLOON"

(CS 102 Min)
Red Buttons, Fabian (G)
—EVENING—
"SOMETHING BIG"

(STD 109 Min)
Dean Martin, Brian Keith
(Western Comedy) In New Mexico territory, 1870, bandit leader Dean Martin and cavalry Col. Brian Keith both await the arrival of their women. Martin's fiancée comes with an ultimatum, she wants to pull off "something big." (PG)

SUN. & MON. 8-9 April

"TROUBLE MAN"

(STD 99 Min)
Robert Hooks, Paul Winfield
(Action Drama) Robert Hooks is a super cool troubleshooter and only those who know him intimately are allowed to call him "T." A loner, Mr. T. is the handsomest black man in South Los Angeles and the best dressed. He has a luxurious apartment, and claims, the most beautiful girl, Paula Kelly. A heavy emphasis on sex and much use of the vulgar street vernacular may be offensive to some. (R)

TUES. & WED. 10-11 April

"THE POSEIDON ADVENTURE"

(CS 117 Min.)
Gene Hackman, Ernest Borgnine
(Adventure) One New Year's Eve, the S.S. Poseidon, on her way from New York to Athens, is struck by a gigantic seaquake. The ship capsizes, and only a handful of people remain alive. This small band struggles to get to the top (or bottom) of the ship and to be rescued. Gene Hackman leads them, while Ernest Borgnine provides stiff resistance. (PG)

THURS. & FRI. 12-13 April

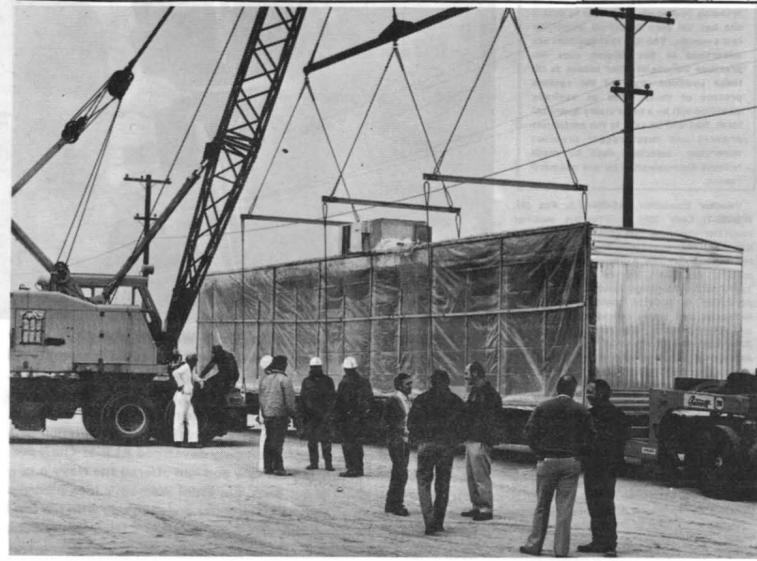
"SNOWBALL EXPRESS"

(STD 94 Min)
Dean Jones, Nancy Olson
(Comedy) This is the story of a rat-race-escaping New York City insurance company accountant (Jones) who, with his wife (Olson) and children, head for the Colorado Rockies when he inherits his great uncle's Grand Imperial Hotel. The Baxter (Jones) family, having spent most of its money, discovers the hotel is a dilapidated wreck burdened by the dust and cobwebs. (G)

From _____
TO _____
PLACE STAMP HERE



Naval Weapons Center
China Lake
California



TRAILERS WILL EASE OFFICE SPACE BIND — These house trailers from the Atomic Energy Commission site near Tonopah, Nev., are shown as they arrived at China Lake in preparation for reassembly into an "H" pattern on a permanent location north of Michelson Laboratories. Manufactured in Canada for the AEC, the trailers were declared surplus in Nevada and an alert NWC Supply Department employee spotted the ad in a General Services Administration bulletin. A visit to Tonopah resulted in the Center obtaining 63 trailers, 52 of which will be formed into H-Units for use as offices.

Trailers Will Help To Relieve Center's Office Space Shortage

By Jim Knight
The Supply Department's quest for a suitable vehicle to use as a Mobile-Mart has led to a bonanza of 63 house trailers for NWC. Last year, Capt. T. R. Hendershot, Director of Supply, broached the idea of converting a motorized vehicle for use as a traveling storeroom to provide front door delivery service to

customers in outlying areas. As issuing and delivering supplies is a Material Division function, the Mobile-Mart project was assigned to Jesse Bell, head of the Material Division. A continuing search by the division's key personnel for an adequate vehicle climaxed when a GSA flyer alerted Lew Radcliff, the Storage Officer, to the availability of a 10 by 30-ft.

trailer at the Atomic Energy Commission test site near Tonopah, Nev. A trip to the site by Cdr. R. B. Nygaard, Deputy Director of Supply; Lou Sidney, head of the Public Works Department's Maintenance and Utilities Division, Bell and Radcliff resulted in the acquisition of this particular 30 ft. trailer for Supply Department use, plus a windfall of 62 other trailers to be used as offices by various codes on the Center. Obtained were 11 single trailers ranging in size from 8 by 25 to 10 by 55 ft. The remaining 52 trailers are the so-called "H-Units" from the Nevada site.

An H-Unit is so named because it (Continued on Page 3)

Counter-barrage Fired On Unification Facts, Figures

A report on school unification, shooting holes in the claim that the operation of Burroughs High School is being subsidized by the Kern High School District from funds generated outside the local area, was presented at Thursday's luncheon meeting of the Kiwanis Club of Ridgecrest. The speaker was Grant Pinney, assistant superintendent for business of the China Lake Elementary School District, who zeroed in on information publicized on behalf of the Kern High School District which stressed that additional money, over and above the total generated locally, is required annually to help support the operation of Burroughs High.

For this same year (the last school year that complete figures are available) the total expenditure at Burroughs High was \$1,838,319—or \$44,461 less than was available from just local, state and other tax sources for operation of the local high school, Pinney stated. The amounts of this income generated for support of Burroughs High were arrived at, Pinney continued, by multiplying the Burroughs' ADA of 1836.86 by \$663 per student in local aid, \$331 per student in state aid, and other income of \$31 per student. It's important to note, however, Pinney stressed, that the foregoing surplus of more than \$44,000 does not take into account any of the (Continued on Page 4)

Armed Forces Day To Be Held May 19

The annual observance of Armed Forces Day will take place on Saturday, May 19, at the Naval Weapons Center. Cdr. R. L. Wright, Executive Officer of Air Test and Evaluation Squadron Five (VX-5) has been appointed to serve as Armed Forces Day Project Officer, and will be coordinating the work of committee members who will be in charge of various details connected with the Armed Forces Day program. Planned as a report to the nation, the theme of the 1973 observance of Armed Forces Day will be "Serving the Nation."

April 6, 1973
INSIDE...
Honor Orchestra To Play 2
Etching Presented to NWC 3
Defensive Driving Week 4
Volcanic Eruption Studied 5
Sports 6
Absentee Ballots Available 7
Art Festival Opens 8

Echo Range Site Of Major Electronic Warfare Complex

(Ed. Note: The series of articles about the ranges of the Electronic Systems Department, headed by Leroy Riggs, continues with this installment on Echo Range. The final increment on Code 35 will be next week's article about the Joshua Ridge Electro-Optical Field Laboratory.)

The Naval Weapons Center (known then as the Naval Ordnance Test Station) was designated as the site location for the installation of an electronic warfare complex on Jan. 18, 1966. The complex was to be located in the 800-sq.-mi. Randsburg Wash test range area, approximately 25 miles southeast of the Center's Richmond Rd. entry.

P. Bock and William W. Baer. Technical plans were formulated on a high priority basis to develop the complex for the purpose of test and evaluation of airborne electronic warfare equipment and develop tactics against surface-to-air weapon systems. The installation was designated the Electronic Warfare Tactical Environment Simulation (EWTES) facility; however, it soon became known simply as "Echo Range," and that name has stuck.

(Continued on Page 3)

New Type Pass For Visitors To Be Issued

Beginning Monday, a new type of Casual Visitors' Pass will be issued to persons visiting at China Lake for a period ranging from one day up to a month in duration. The new passes for visitors will be issued by personnel of the Casual Pass Section located at the Visitors Center outside the main gate to the Naval Weapons Center.

The new Casual Visitors' Pass is a three-part form consisting of the original copy that is to be kept on file, a second part that will be issued to visitors and must be kept with them at all times while they are on the Center, and a third part project officer, assisted by Roger

Dr. Ivar E. Highberg, then head of the Systems Development Department (Code 30), now head of the Engineering Department, and the LCdr. A. M. (Marty) Wildberger, were the two foremost NOTS participants. A program management office was established with LCdr. Wildberger as the project officer, assisted by Roger

(Continued on Page 3)



VISITS NWC—Rear Admiral (Vice Admiral selectee) William R. St. George, (at right) Commander Cruiser Destroyer Flotilla 11, is greeted at NAF by Rear Admiral Henry Suerstedt, Jr., NWC Commander, RAdm. St. George, who will be the new Deputy CINCPACFLT, arrived at NAF on April 3 to be briefed on current NWC programs and become familiar with the commands which will be under his cognizance in his new post. Also on hand to greet the distinguished visitor were Capt. R. S. Moore (left), Commanding Officer of NAF, and Capt. E. M. Crow (foreground, saluting), Commanding Officer of VX-5.



TEACHER HONORED— Wanda Wisler, a China Lake Elementary School District teacher since September 1948, was the honored recipient of the Sylvia Besser Award. The presentation, made by Dr. John O'Lane, outgoing president of the Desert Counseling Clinic board of directors, took place during the clinic's annual dinner meeting held on March 28 at the Commissioned Officers' Mess. Mrs. Wisler, who will be retiring in June, was cited for her many contributions for the benefit of handicapped children during the nearly 25 years that she has been a local teacher. In addition to her work as a teacher of special education, Mrs. Wisler has been an officer in statewide groups for exceptional children, has been active with the IWV Council for Retarded Children, and helped to organize both Girl and Boy Scout units for handicapped children in the local area.

Nat'l Library Week Begins Sunday

"Get ahead, read! Widen your world!" are the dual themes of the 16th annual National Library Week program, April 8 to 14. The basic goal of National Library Week is to educate the public to the fact that the library is their servant, providing a resource for their ideas, and should be cherished as a bulwark of their individual freedoms. "In today's complicated, high-speed technological society, one can not afford to neglect the purposeful use of books and other library materials. For enlightened personal decisions, for getting heads out of the sands of apathy, books, reading and libraries are indispensable," Betty Wilkie, acting head of the China Lake Library, stated.

PROMOTIONAL OPPORTUNITIES

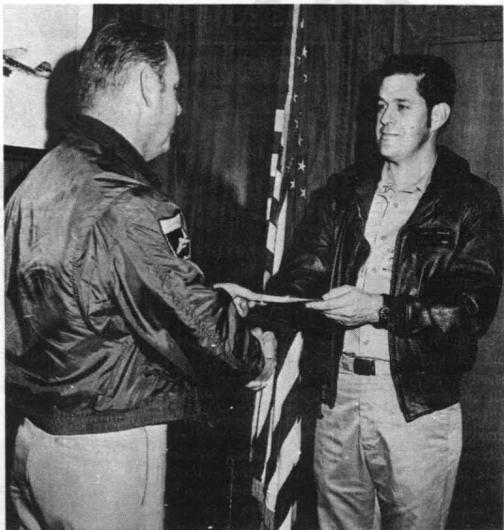
Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2049. Current applications (SF-171)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

Voucher Examiner, GS-540-4/5, Pos No. 6729096-1, Code 2575 — Provides voucher examiner services on contracts for the payment of supplies and/or services received. Examines a variety of contracts, specific provisions thereof and modifying instruments. Maintains liaison with technical personnel to provide material status information and issues cancellation, rejection and short notices. Minimum Qualification Requirements: One year of general clerical experience plus one year of specialized experience for the GS-4 and two years for the GS-5 in the type of work described above. Job Relevant Criteria: Ability to deal effectively and tactfully with people; Ability to work under pressure; Accuracy; Ability in using calculator; Knowledge of contract documents. Advancement Potential: GS-4 to GS-5.

Physical Science Technician, GS-1311-7/9, Pos. No. 7260977, Code 6052 — Position is located in the Physical Chemistry Branch, Chemistry Division of the Research Department. The incumbent is responsible for the preparation of samples for the Scanning Electron Microscope (SEM), for the operation and maintenance of the SEM, and for scheduling the operation of the SEM. The Scanning Electron Microscope is the only instrument of its kind at NWC; therefore, the incumbent has the responsibility of providing the services of the SEM for the entire Center. Minimum Qualification Requirements: As defined in CSC Handbook X-118, requirements for the GS-7 level are two years general experience and three years specialized experience, the GS-9 level requires one more year of specialized experience. Job Relevant Criteria: Experience in general chemistry, plus experience in microscopic preparation and coating of materials. Patience and attention to detail are essential to the successful performance of this job. Advancement Potential: GS-7 to GS-9.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ext. 2392. Clerk (Stenographer), GS-301-5, PD No. 7355814, Code 5509 — Position is located in the Engineering Department office. The incumbent will assist the department secretary in providing clerical and stenographic services for the department office. Primarily, the incumbent will provide clerical support for the two associate department heads. Duties will include taking dictation, typing, scheduling appointments and meetings, arranging travel, and a variety of secretarial type duties. Minimum Qualification Requirements: As defined in CSC X-118. Job Relevant Criteria: Ability to provide the full range of clerical services in an engineering organization. Experience that has provided knowledge of engineering and scientific terminology. Ability to work under pressure. Ability to work independently. The position has promotion potential to GS-6.

File applications for the above with Carol Dowland, (Code 657), Bldg. 34, Rm. 210, Ph. 2393. Secretary (Typing), GS-318-4/5, Pos. No. 7346009, Code 604 — Incumbent provides clerical and basic administrative services to the head of the Applied Science Division, Research Department, and to other members of the division staff, as assigned by the division head. Incumbent receives personal visitors to the division head, screens incoming information and requests, maintains a calendar of events for the division head and staff and performs other secretarial, administrative and clerical duties as assigned. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Two years general



IDEA WORTH \$1245 — ATC Charles R. Wassom, of VX-5, recently received a \$1245 check for submitting a cost-saving idea that will mean an overall savings to the Navy of \$145,000. Capt. E. M. Crow, Commanding Officer of Air Test and Evaluation Squadron FIVE, made the presentation during informal ceremonies held in his office. Chief Wassom's beneficial suggestion involved the adaptation of a presently used chaff tester to the newly developed ALE-37 Chaff pod. The corporation producing the new pod had offered the Navy a new test set costing about \$8,500 each, but Chief Wassom's idea placed a \$200 adapter on an already in-stock tester and did away with the need for the costly new item. This was Chief Wassom's third Benny Sugg cash award.

Honor Orchestra Concert Slated Tonight at BHS Lecture Center

The 88-piece Kern County Honor Orchestra, which includes 33 members from James Monroe and Murray Schools, will be heard in concert tonight at the Burroughs High School Lecture Center, beginning at 7:30. The vocal group has prepared seven selections. "Sauna Canzona," by Zechi will lead off the program, followed by "The Water Is Wide," by Luigi Zaninelli. "God Made Our Hands," by Hawley Aedes, is the next number, to be followed by "Cherish," by Lojeski. Rogers & Hammerstein's "You'll Never Walk Alone," from "Carousel," and "God Bless Our Native Land," by Arthur Frackenpohl, are the next numbers to be sung. "Hey, Look Me Over," by Coleman and Leigh, will close out the vocal group's participation in the concert.

The orchestra's contribution will open with Beethoven's "Song of Brotherhod," and "Legend," by Tschaikevsky. A modern piece, "Rumba Numbah," by Richard Bowles, will be followed by "Scarborough Fair," arranged by R. L. Bauernschmidt. Highlights from "Sound of Music," by Rogers & Hammerstein precede a huge finale number, "The Battle Hymn of the Republic," in which the vocal group and the audience will be asked to participate.

Survey Launched Of Interest in Eastern Orthodox Religions

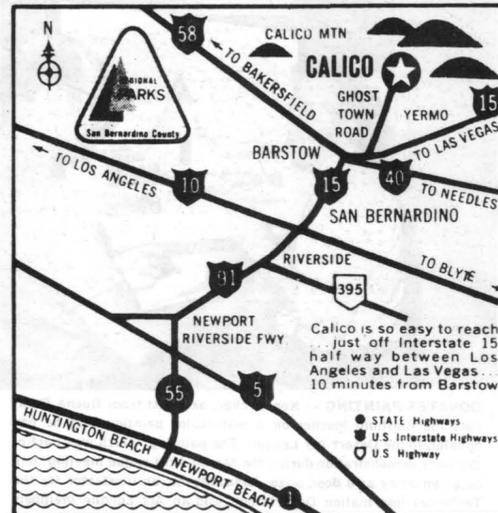
Several Russian, Greek and other eastern Orthodox families in the area have recently expressed a desire to have a chaplain that caters to their particular religions visit China Lake occasionally to hold services. Chaplain R. E. Osman has requested that persons of these faiths who are interested in a visit by an Orthodox chaplain call the Chapel office, ext. 3506, and express their wishes.

Combined Choirs To Sing Cantata On Palm Sunday

An Easter season choral cantata entitled "The Seven Last Words of Christ" will be presented on Palm Sunday (April 15) at 4 p.m. at the NWC All Faith Chapel. The program, which is open to the public without charge, will be presented by the combined choirs of the All Faith Chapel Protestant Congregation, the Grace Lutheran Church of Ridgecrest, and the Cerro Coso Community College. This traditional Lenten cantata combines the savagery of a hostile mob yelling for the death of Christ, with the simple and beautiful portrayals of Christ and His mother, Mary. Ray Blume, director of the Cerro Coso College choir, will conduct the 70-voice combined choir. Accompanists will be Shirley Helmick, at the organ, and Joan Fowler, pianist. Narrations by Capt. Robert Osman, NWC senior chaplain, and by the Rev. Robert Johnson, pastor of the Grace Lutheran Church, will set the scene and mood for the choral production.

Town That Died in 1896 Now Restored

By Jack Lindsey
If Walter Knott's uncle, John C. King, then the sheriff of San Bernardino County, had not grubstaked three "one blanket, one burro" prospectors in 1881 to hunt for silver ore in the foothills just north of Barstow, Calif., the ghost town of Calico might not be restored today, and attracting thousands of visitors yearly.



The prospectors hit pay dirt and discovered one of the richest silver ore mines ever known. In 15 short years, the mines of Calico produced over \$86 million in high grade silver. Walter Knott is the famous Knott of Knott's Berry Farm (in Buena Park, Calif.) fame. It was he who purchased the land and buildings of the old ghost town of Calico and restored the buildings to look much like they did in the 1880s, when the town was born.

Later, the Knott family deeded Calico to the County of San Bernardino and it is now managed by the Regional Parks Department. Following the rich strike, more than 3,000 men, women and children swarmed into Calico. As the price of silver continued to rise, Calico grew. A school was added and other mines went into operation. Calico was twice ravaged by fire and each time it was rebuilt.

However, by 1896, the town began to die. The price of silver dropped from \$1.31 to 63 cents an ounce, and as suddenly as it appeared, the people drifted away, to other towns and other strikes. Walter Knott and his family kept Calico from being completely obliterated. Thanks to them and their dedicated planning, the town has been reborn and is living again.

The stories of Calico are as important as the town itself. The name of the collection of buildings and mines came from an argument that developed one night in Hank's Saloon. One of the men said, "Look at them mountains, boys, they're as purty as a gal's calico petyskirt. Let's call 'er Calico," and it was done.

Visitors to Calico can walk through the town via Main St., and take side trips along many smaller streets and alleys. There's a general store, the bottle house, the old school house, Boot Hill, an old Calico print shop, a pottery works — and most famous of all, the Maggie Mine, where visitors can actually explore the tunnels of this once famous silver mine. Another "must" is Calico's famous collection of paintings, "Gunslingers of the Old West," which are the work of the celebrated western artist, Lea Franklin McCarty. They hang in Lil's Saloon, and are one of the most popular features at Calico. The hours of operation from Sept. 15 to June 1 are from 9 a.m. to 5 p.m. A campground is open 24 hours each day and visitors may make reservations by calling (714) 254-2122. Motels are available nearby.

Absentee Ballots Available for School Election

Absentee ballots for school district elections coming up on April 17 can now be obtained by writing to the Kern County Clerk, 1415 Truxtun Ave., Bakersfield.

Applications for absentee voter ballots must be received in the county clerk's office on or before next Tuesday, April 10. Printed forms for use in applying for an absentee ballot are printed on the reverse side of polling place cards, or a letter can be composed giving the voter's home address, the reason for making the request, and the address to which the ballot is to be mailed.

A separate request for an absentee ballot must be signed by each voter.

Those entitled to absentee ballots are voters who expect to be absent from their election precinct on election day (April 17), or who are unable to vote by reason of physical disability.

In addition, persons who live more than 10 miles from the nearest polling place by the most direct route are entitled to receive an absentee ballot.

Two candidates have filed for the short term vacancy on the China Lake Elementary School District board of trustees that was created by the departure from the local area of Lynn Powers. They are William T. Cooper, head of industrial engineering and Michaelson Lab coordinator for the Engineering Department's Mechanical Division; and Dr. Richard Knipe, a physicist in the

Chemical Kinetics Branch of the Research Department's Chemistry Division.

Automatically re-elected to the China Lake school board without contest, since they were the only candidates to file, were incumbents Bill Porter, Annaliese Odencrantz and Dick Rusciollelli. Other school trustees automatically elected — since they were the only candidates to file for the position they were seeking — are Dr. Gilbert Plain, NWC Education Director and a consultant in the Research Department, who will represent Area II on the Kern Community College District board of trustees, and Dr. Rex Shacklett, a Ridgecrest businessman and member of the Ridgecrest City Council, who will represent Trustee Area 7 on the Kern County Board of Education.

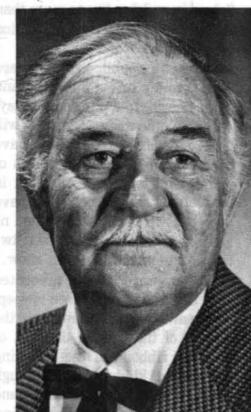
Voters casting ballots on April 17 also will have the opportunity to help decide the outcome of the Kern High School District trustee election. Dr. Arnold Adicoff, head of the Polymer Science Branch in the NWC Research Department's Chemistry Division, is one of 13 candidates vying for three vacancies on the high school district board. The others are: Dr. George Albin and Rayburn S. DeZemmer, incumbents; Don M. Cross, J. Craig Jenkins, Christina McClanahan, Anne Monroe, Robert Paaren, Philip Rudnick, Jim Tillet and Joe R. Torres, Jr., all of Bakersfield; Otis L. Turk, of Lamont, and David L. Eckert, of

Kernville. Balloting also will take place on April 17 to decide which one of a group of five candidates will be chosen to represent Trustee Area No. 1 on the Kern Community College District board. Those in the running are Angus M. Marchbanks and Mark G. Raney, incumbents, and Nathan M. Krevitz, Mary Timmermans and George H. Webster.

After the Century of Progress ended, Al stayed with the company and was transferred to Nebraska as a field service engineer, to the Omaha office. During World War II, Al helped lay out and design the factory where the Vought Corsair (F4U) was manufactured. Later, he was placed back in the field as a technical observer. His route was from west of Pennsylvania to California. "I was sort of a nationwide troubleshooter," he explained. In 1946, Al left Goodyear to go into business for himself, but was wooed back into industry in late 1947 by the War Assets Administration in Cleveland, Ohio. In 1949, he was transferred to the Air Force at Dayton, where he was employed as an industrial specialist. Then in 1950, he went to the Rural Electrification Administration of the Department of Agriculture. "Trying to bring electricity and

Employee In The Spotlight

Everyone is familiar with the Goodyear Blimp. The flying advertisement for Goodyear Tire and Rubber Co. makes appearances at important events each year all over the United States.



Alfred H. Wacker

But how many persons know that China Lake's own Al Wacker used to FLY that thing? "Probably the same blimp, too," Al said. Al piloted the blimp during the Century of Progress exposition in 1933 and 1934 in Chicago. "Those were fun days," he recalled. "We used to work about 16 hours a day, but nobody minded."

Al hasn't really come down from the clouds he played with when he was on the blimp. Most of his adult life has been spent bouncing from one state to the next, one career to another. Presently the head of staff for the Public Works Department, Al came to work at NWC in March 1958 from Shelby, Ohio, when the Air Force base he was working at closed.

In his own words he stated that he would probably retire from Civil Service sometime in September and "... get a job."

Full of Zest
Belying his 68 years, Al is full of energy and zest. He applies his personal "love for life" to everything he does, and admits unabashedly that his work is his hobby. But then, it always has been.

Al was graduated from Akron South High School in Akron, Ohio, and attended Ohio State University in Columbus. He joined the Bell Telephone Co. in Akron in 1929 and was married to his wife, Fern, a student at Akron University, in April 1930. "Six weeks later I was fired because of the depression, so I went to work for Goodyear," he grinned.

He literally threw himself into his employment and Goodyear placed him on the "Flying Squadron." This was a group of young men who could fill in on any production job in any part of the factory. "The union loved us," Al said sarcastically.

In 1933, after serving as an instructor at Goodyear Industrial University, where he taught apprentices the trade, Al was transferred to Goodyear's airship operations, and that's when he began to fly the blimp.

Other Jobs Held
After the Century of Progress ended, Al stayed with the company and was transferred to Nebraska as a field service engineer, to the Omaha office. During World War II, Al helped lay out and design the factory where the Vought Corsair (F4U) was manufactured. Later, he was placed back in the field as a technical observer. His route was from west of Pennsylvania to California. "I was sort of a nationwide troubleshooter," he explained.

In 1946, Al left Goodyear to go into business for himself, but was wooed back into industry in late 1947 by the War Assets Administration in Cleveland, Ohio. In 1949, he was transferred to the Air Force at Dayton, where he was employed as an industrial specialist. Then in 1950, he went to the Rural Electrification Administration of the Department of Agriculture. "Trying to bring electricity and

telephones to farmers was a headache I'd like to forget," Al said.

After a brief stint as a stock broker, Al came back into Civil Service with the U.S. Air Force as a supervisory management analyst at Shelby, Ohio. When that facility closed, he came to China Lake as a management analyst with Code 17.

He joined the administrative officer staff of Public Works about four months later, and has remained there since that time.

He assumed his present position in 1969. "As head of the department staff, Al has turned in a superlative job in coordinating many recent organization and procedural changes within Public Works," stated Cdr. J. L. Uhe, the assistant Public Works Officer. "Al has introduced many reporting techniques that are proving to be valuable tools in the management effort. The department leans heavily on his knowledge and experience," Cdr. Uhe concluded.

Active Rotarian
Al has been very active with the China Lake Rotary Club, and served as president in 1968. The helpout, recently completed, was initiated during Al's term of office, and it was while he was serving as president that visual-screening tests for Ridgecrest school children were begun by Rotary.

Al is also a 32nd degree Mason and a Shriner. For many years he was also First Reader for the China Lake Christian Science Society. "Col. Sanders," as he is called around his office, also enjoys reading and putting around the garden. He likes to build model ships and electronic kits, and he and Fern enjoy traveling and sight-seeing.

Fern's two biggest hobbies are bowling and swimming. Since she and Al came to China Lake, Fern has swum more than 700 miles in the Center pool. She used to teach lifesaving classes and in the past she has worked with Special Education children at the swimming pool.

Fern also tinkers with silver-working and jewelry making. "Unfortunately, Fern and I have no children, but we do enjoy raising cocker spaniels," Al said. "Over the years, we have had many of this lovable breed of dog," he added.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake Lake, California
RAdm. Henry Suerstedt, Jr.
NWC Commander
H. G. Wilson
Technical Director
C. E. Van Hagan
Head,
Technical Information Department



DIVINE SERVICES

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

ROMAN CATHOLIC
MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1130

BLESSED SACRAMENT CHAPEL
MASS
Daily except Saturday 1135
Daily during Lent 1435
First Friday only 1135 1700

CONFESIONS
Saturday 1545 to 1645
Sunday 0800 to 0825

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

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

UNITARIANS
CHAPEL ANNEX 95
Sunday Services 1930



Don R. Tockley
Editor
Jack C. Lindsey
Associate Editor
Jeanne Schreiber
Editorial Assistant
PH1 D. C. Manderscheid PH2 R. D. Cox, PH2 D. W. Yeatts, PHAN Jerry Sizemore, PHAN D. M. Jeneraux, ADJAN Bill Brooks, PHAA
Shelie K. Reed
Staff Photographers

DEADLINES
News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVEXOS P35, revised July 1958. Office of Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.
Phones 3254, 3355, 2347

(Continued on Page 4)



By Jack Lindsey

Plaudits and accolades must go to the organizers of this year's China Lake Women's Golf Club Invitational Tournament set for Wednesday, April 11, at the local course.

More than 25 sweet swingers from out of town have registered for the annual event, and Carol Gove expects a good representation from among local lady golfers.

The ol' Catbird has to go with Mary McDonald, the current China Lake champ, to win the low net prize. She's swinging the club really good these days and she likes the home course. Doris Cosner and Nona Turner shouldn't be counted out either. Nor should Barbara Zernickow or Eileen Russell. Eileen is a past three-time champion on the local links.

Tops Among Visitors

Two outsiders who could take the low net crown are Donna Shoblom, who plays like Carol Mann one day and the Barnum & Bailey Circus the next, and an athletically-inclined young lady by the name of Nancy Webster.

Low gross should go to one of four visitors—Faye Riedhart or Margie Kules, from the Desert-Aire Golf Club, in Lancaster; to Ivy Babbitt, who represents the Calabasas Country Club, or Evelyn Betterley, from Apple Valley. That is, if they can master the distances and general technical difficulty of our course.

Annual Event for Men

The China Lake Men's Golf Club is kicking off a little affair of its own tomorrow and Sunday—the annual Commander's Trophy Tournament. A 36-hole, medal play event, the Commander's Trophy will draw the best players at the club.

If he is recovered from his operation and plays, Max Smith will definitely be the favorite in this column. A man who never quits and who gives all he has on the golf course, Curt Bryan, is also a logical choice to take the huge trophy home.

Bob Hooper's handicap has spiraled, but his game is still good when he bears down, so he's given the nod if he turns it on. Laying in the weeds, ready to steal the title if everybody slips a little, is the perspicacious, persimmon pelted, Bobby Kochman.

Softball Clinic

Tom Fortney, umpire-in-chief of the International Association of Softball Umpires in the local area, will conduct a series of clinics for persons interested in becoming umpires, or who want to learn the rules of the game of softball.

The first such clinic will be held tomorrow at 10 a.m. in Training Annex No. 1 (behind the Training Building).



ROCKING CHAIR WINNERS— These ancient warriors, the Over-the-Hill-Gang, took the title in Division C, or the Rocking Chair Division, of the China Lake Intramural League. This division was set up for players 35 years of age, or older. In this happy group are, (kneeling, l-r) Max Hess, Pete Klassen and Marty Denkin, and (standing) Bill Nicol, Sam Minchew, Tom Fortney and John Revels.

Dispensary Tops Tweets For Division B Cage Title

With the Division A crown safely tucked away by the Blazers, and the Division C title in the grasp of the Over-the-Hill Gang, only the Division B championship remained to be decided last week.

The Dispensary Docs and the Tweets met in the Center gymnasium on March 29 in the final wrap-up of the China Lake Intramural Basketball League.

The Docs, winners of Division B-

1, were the underdogs in a game against the Division B-2 winners, the Tweets, who were undefeated during the season.

However, the Docs played as if they had never heard of the Tweets and won the game, 47-40, to take the Division B crown. Jerry Pikka (with 14 points) and Dennis Heggem (13) led the Dispensary attack. Les Johnson, with 16 points, paced the losers.

Spartans Beat Huskies To Take Intermediate Crown

If they never receive another award in their lives, the team members of the Spartans in the Intermediate Division of the Youth Basketball League can take solace in the fact that they really earned the division crown last Friday night in play-off action between the Spartans and the Huskies.

The Spartans were down as much as 13 points late in the third quarter, but came back to tie the score at 28-28 and force the game into overtime. Having learned from an earlier o.t. defeat at the hands of these same Huskies, the Spartans cagers played it cool and

Local Net Squad Downs Edwards Team, 9-Zilch

The China Lake Tennis Club played a match against netmen from Edwards Air Force Base on the home court last Saturday and blanked the visitors, 9-0.

China Lakers participating in the devastation were Jay Taylor, Dick Boyd, Bernie Wasserman, Gary Fry and Jim Smith, all winners in the men's singles, and Janie Cleaves, the only entry in the women's singles.

In the men's doubles, Taylor and Boyd paired up to nail the Edwards duo, 6-4, 6-3, and Duncan Cleaves teamed with John Clinton to come out on top 7-6, 6-3. Chuck Falterman and Mrs. Cleaves made it a perfect day as they romped, 6-1, 6-2, in the mixed doubles event.

The victory is significant because the Mojave Desert Inter-Service League team will consist mainly of these same players and indicates a strong tennis entry for NWC

Premier League Won By Loewen's on Final Night

The Loewen's TV keglers came back to win the final two games, after dropping their first game last Monday night, and finished on top of the Premier League by a scant 1½ game margin.

The Western Columbia keglers, who were one-half game behind going into the final evening, were simply outbowled.

Doug Fisher fired a 666 series and Kenny Dalpiaz found the pocket for a 635 total as the two Loewen's hotshots put the lid on the league leadership.

Benny Whiteside was high for the Premier League, hitting a 673 set on games of 243, 212 and 218. Fisher's score included games of 213, 225 and 228, while Dalpiaz rolled single game totals of 206 and 243.

Chuck Roulund managed a 614 series total on the strength of a 228 and a 207, while Thad Brightwell posted a 606 series and Dan Ryan rolled a 603.

Although Dalpiaz' 201 average was high for the league, he only bowled 42 games, not enough to qualify for high average in this league. Premier League rules state that a bowler must compete in at least four-fifths of the games, which Dalpiaz did not. Brightwell will take home the high average

money with a 198 average for 84 games. RC Jones was third in the league with an average of 195.

Women's Scratch

The race in this league looks like it is going to go right down to the wire. The Crestline Motel team is now in first place following last Monday night's action, one-half game in front of Team No. 1. The AV Trophy keglers are in the third spot, 1½ games back, and the Frisbees hold down fourth place, just two games out of the lead.

Carol Andrew set the pace last Monday with a 582 series and a 202 game. Pat Maddux continued her good scoring by posting a 573 set that included a 202 game. Sue Emde also recorded a 212, and a series total of 571. Other fine scores included Gladys Dean (559), Peggy Perridge (557), Pat Brightwell (211-547), Darlene Herbstreit (205-531), June Lyons (527), Mary Olson (514), and Sue Haacks (502).

Sunday Sinners

Vern Logue strung nine straight strikes before leaving the 6-10 combination, which he converted and went on to record a big 277 game in this league last Sunday. Logue finished with a 650 series for the night.

Softballers Must Reserve Fields For Practice

The NWC softball program is about to begin, and league organizers are looking at early May as a starting time.

Reservations for practice fields are now being taken at the Center gymnasium by either Marty Denkin or Bill Nicol.

In order to reserve a field, team captains or coaches are admonished to complete their arrangements as early as possible.

Those who want further information are asked to call Denkin or Nicol at NWC ext. 2334.

MDISL Bowlers At Edwards AFB For Tournament

Six NWC men, brave and true, will take to the lanes tomorrow morning at Edwards AFB in an attempt to wrest the Mojave Desert Inter-Service League bowling title from the men in blue (Edwards AFB).

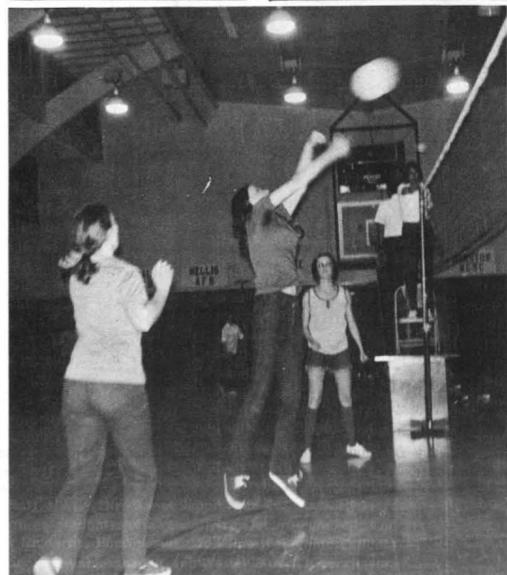
The NWC captain, Jeff Mattick, feels that unless the members of his squad fall flat on their collective faces, the task is not a difficult one.

Individual averages of the team tend to bear Mattick out. Ken Dalpiaz leads the list with a 201 average trailed closely by RC Jones with 195. Benny Whiteside sports a 193 label and Mattick comes in with 191.

Jim Bowen (190) and Jim Brown (187) are the other two bombers.

Tryouts Scheduled

Minor League tryouts will be held tomorrow at 9 a.m. at the Little League diamond, corner of Richmond Rd. and Halsey Ave. Boys 10-12 years of age not chosen for Major League teams, and those who have not yet registered, are eligible for these tryouts. Sign-up cards will be available at the diamond.



VOLLEYBALL UNDER WAY—Action in Division I of the Women's Volleyball League got under way last Tuesday night at the Center gym. Here, a member of the Ifs drives the ball over the net during a game against the Hits and Misses. The Ifs won the match, 15-2, 15-3, 15-4. There are 12 women's teams competing in the league this year.

Echo Range Described...

(Continued from Page 1)

SYSCOM authorized an increase of 22 billets in the Center's ceiling for staffing, and the EWTES facility was "in business." The billets were allocated to the Systems Development Department, and complete responsibility for maintaining and operating the facility was assigned to the Range Operations Division, Code 302, under the direction of James E. Colvard.

By this time, the Program Management Office had nearly completed its mission and LCdr. Wildberger continued in a consultant capacity. Other personnel reassignments included two new appointments—Richard E. Boyer as head of the Test Engineering Group, and Duane Burton as head of the Maintenance and Operating Group. Bock was then reassigned, becoming an Echo Range project engineer.

First Big Project

In November 1967, Project F/O-210 (a program to develop aircraft tactics against surface-to-air weapon sites) was assigned to Echo Range with an A-1 priority.

Within the next year, the EWTES facility became deeply involved in efforts to support the Southeast Asia conflict. This included Fleet support effort to develop and maintain the capability to provide engineering services for successful introduction of systems into the Fleet. With this involvement, Echo Range shifted into "high gear," as more billets, funds and equipment were required.

The Countermeasures Division was established in March 1969, and all efforts of Echo Range were consolidated under one division. Fred M. Ashbrook replaced Colvard, who transferred to the Naval Weapons Laboratory at Dahlgren, Va.

It soon became apparent that the establishment of an in-house engineering team was needed to assemble, interpret and correlate available information on enemy electronic warfare threat systems and to provide suitable specifications for hardware development to simulate the threat systems. In addition, this team was needed to provide much-needed engineering services support to the EWTES facility.

This was accomplished by combining a select group of engineers and technicians in the Technology Development Division, under the direction of Kenneth O. Bryant.

Becomes Advanced System Echo Range progressed from an interim to an advanced system in late 1970. The advanced system provides a comprehensive electronic warfare test environment and permits multiple tests to be conducted concurrently. On July 1, 1971, NWC assumed full responsibility for the design, fabrication, maintenance and operation of the hardware and software at Echo Range, and the Applied Physics Lab became a technical consultant to NWC.

In June, 1971, another reorganization took place and all EWTES functions and responsibilities, formerly under the cognizance of the Countermeasures Division, Code 305, were reassigned to the Electronic Systems Department as Code 355. Also, the growth of the electronic warfare program, including EWTES equipment and facilities,

along with austere aircraft and associated operational sources, required a more closely operated management program.

Therefore, on July 1, 1972, NWC was assigned technical direction over the Echo Range facilities by NAVAIR. Bryant's group was reassigned en masse from the Technology Development Division (Code 3042) to the Countermeasures Division (Code 355) with primarily the same duties they had provided before. Bryant was named the associate head for Surface Threat Development.

The Echo Range facility has evolved into a unique, self-contained outdoor laboratory, designed to provide an electronic warfare environment for the R&D test and evaluation of airborne electronic countermeasures and tactics against surface-to-air weapon systems. It is equipped with the best available simulations of tactical defense equipment, augmented by sophisticated real-time data recording systems to enable in-depth study, evaluation and development of airborne electronic equipment and aircraft tactics.

It has simulations of threat surface-to-air missile guidance, anti-aircraft artillery (AAA), air-search radar systems, and the associated test instrumentation necessary to monitor events and gather data.

Voverk Heads Operation

Primary responsibility for the operation of the EWTES facility is assigned to Robert F. Voverk, associate head for Echo Range Operations. Staffed by 70 persons, the operation is divided into three branches:

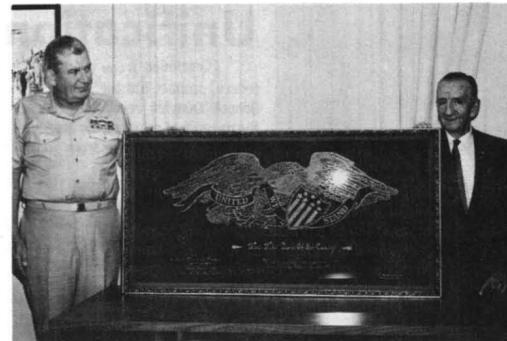
- 1) Radar Instrumentation Branch, headed by Duane Burton. This branch has the responsibility for operation and maintenance of threat simulations and instrumentation.
- 2) Electronic Warfare Project Branch, headed by Charles B. Campbell, which is responsible for the conduct of tests for the technical and operational evaluation of ECM equipment and tactics.

3) The Data Systems Branch, led by William L. Underwood. This branch is responsible for the operation and maintenance of digital computers, their peripheral equipment and software. In addition, branch personnel develop and document and maintain digital software and display and record real-time and off-line data processing.

While the EWTES facility was designed to test and evaluate airborne electronic countermeasures, and while the F/O-210 project is still the largest user and has the most stringent requirements, it has nevertheless resulted in a very versatile and complex instrumentation system, capable of providing quantitative data for engineering evaluation of Electronic Countermeasures.

During the past year, there has been increased use by the U.S. Air Force and other agencies, as well as by Navy operational units performing Fleet exercise.

With its flexible and real-time instrumentation capability, the Echo Range facility will always find wide use for evaluation of ECM equipment and tactics against surface-to-air weapon systems testing.



UNUSUAL GIFT PRESENTED—An engraving of a likeness of an American eagle (etched on a 2 by 4 ft. pane of glass) was presented as a gift to the Naval Weapons Center last Friday by Joe Coutourier, an elderly resident of Red Mountain. The engraving, which bears the message "United We Stand," was accepted on behalf of NWC by Capt. D. W. Alderton (at left), the Center's Deputy Commander. Coutourier, who lives alone on just his Social Security income, has taken up this unusual avocation as a means of helping to pass the time. Other samples of his work, some of which are for sale, can be seen at the Maturango Museum.

New Type Pass...

(Continued from Page 1)

labeled "Visitor Vehicle Pass" which must be affixed to the right side of the windshield for ready identification of the visitor's vehicle.

This new system is being undertaken in order to expedite the processing of casual visitors to the Center, and also in order to maintain more concise and complete records of visitors.

The visitor will be asked to make out the forms himself, and personnel at the pass desk will validate the pass, after first contacting the host to announce the visitor — as has been the practice in the past.

More Trailers...

(Continued from Page 1)

is assembled in the form of an "H." Thirteen 10 by 60 ft. trailers joined together constitute one H-Unit. Three trailers are placed side by side and joined together and three more are joined to them end to end to form one 30 by 120 ft. leg of the "H." The two legs are identical and are used as office spaces. The crossbar of the "H" is a 10 by 60 ft. trailer complete with toilets, showers, basins and water heaters.

Assembly Under Way

One of these H-Units has already been transported to the site north of Michelson Laboratory and is in the process of being reassembled in its original "H" pattern. Three more units (39 trailers) will be transported to the lab site in the near future. The Center also is getting telephone poles and generators from the Nevada site as part of the package.

Those who must dispose of ordnance in connection with their work are reminded of the requirement to dispose of inert ordnance as metal scrap after certification by the Explosive Ordnance Disposal group, Code 145.

Ordnance containing any kind of material, such as high explosives, propellants, or pyrotechnics, will be disposed of by the Explosive Ordnance Disposal group. Personnel of this group are the only ones authorized to do so.

TAX REFUND FORMS
Forms for use in filing a claim for refund of both state and federal income taxes paid by employees on their contributions to the Civil Service Retirement Fund are now available at the Community Center.

As these trailers were a straight transfer from GSA to NWC, they were obtained at no cost to the government. The only expense involved was the transportation, dismantling, and reassembling charges.

When all of the units are assembled, the Technical Administrative Panel will recommend the disposition of the units to the NWC Technical Director, who will assign them.



TOP GRADUATES—Capt. T. R. Hendershot (left), NWC's Director of Supply, and Cdr. R. B. Nygaard (right), the Deputy Director, pose with the top three graduates of a recently-conducted 40-hr. class on small purchases. They are (l-r.): Ltjg. James Richards, Food Service and Retail Clothing Officer; Barbara Marine, head of the department's Accounts Payable Branch, and Wesley Stuart, a purchasing agent in the Procurement Division's Purchase Branch. Thirty-two employees of the department enrolled in the class, which was geared to teaching all aspects of making small purchases and various methods of procurement for items which cost less than \$2,500. Paul Wilson, from the Naval Regional Procurement Office, Los Angeles, and Jack Clegg, from the NRPO in Oakland, were the instructors. According to Cdr. Nygaard, more than 90 Supply Department employees applied to take the class, and for that reason, an attempt will be made by the department to hold it again in May.



30 YEAR PIN PRESENTED — The courtyard outside the Fuze Department building was the setting for an awards ceremony during which George R. Bastedo received a 30-year Federal service pin from B. F. Husten, department head. Bastedo, who heads the Components Branch in the Fuze Department's Engineering Division, is an electronics engineer. A graduate of New York University, he served in the Navy during World War II, and was assigned to one of the first research projects at the National Bureau of Standards.

HAPPENINGS AROUND NWC

Members of the China Lake branch of the American Association of University Women are currently seeking donations for books for a book sale that is to be conducted on May 5.

Anyone wishing to donate paperbacks, novels, or textbooks is asked to call any of the following AAUW members: Charlotte Smith, 446-2070; Helen Ferguson, 375-8195, or Linda Klabunde, 375-7293.

Blue Cross Man Due

Gordon Ellis, the Blue Cross Blue Shield Insurance representative, will pay another of his regular monthly visits to China Lake next week.

Ellis will be available in Room 200 of the Training Center on Tuesday, April 10, between the hours of 10 a.m. and 2 p.m., and on Wednesday, April 11, from 8 a.m. until 2 p.m.

Opportunities...

(Continued from Page 2) clerical work required for the GS-4 level; two and a half years general required for the GS-5 level plus a half year of specialized experience within the Secretarial category. Job Relevant Criteria: Must be a qualified typist. Must deal effectively and tactfully with members of local work group plus outside contacts. Must be able to work with minimum of supervision. Should be familiar with the supply system, travel orders, Naval correspondence procedures and the policies, instructions and operating procedures of the Center in general. Advancement Potential: GS-4 to GS-5.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 202, Ph. 2723. Clerk-typist, GS-322-4, PD No. 7250109, Code 501 — Provides clerical support to the Advanced Systems Division of the Fuze Department. Types memorandums, reports, manuscripts and letters of a technical nature. Arranges travel itineraries, makes reservations on types travel orders. Maintains time cards and a variety of alphabetical, numerical and chronological files. Receives visitors and telephone calls. Minimum Qualification Requirements: as defined in CSC Handbook X-118. Job Relevant Criteria: Must be a qualified typist.

Information Receptionist, GS-304-4, PD No. 4985002, Code 8413 — As an information receptionist in the Visitors' Branch, Security Operations Division, incumbent will initially greet official visitors to the Center and answer questions they may have. Will interview visitors for information required to issue a pass and type the information on the appropriate forms. Minimum Qualification Requirements: Two years for the GS-4. Job Relevant Criteria: Familiarity with the Center; ability to function under pressure; tact, courtesy and diplomacy in dealing with the public.

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

Rug Club Open House

The Indian Wells Valley Rug and Needlecraft Club will hold an open house on Wednesday, April 11, from 10 a.m. to 2 p.m. in Annex 4 of the All Faith Chapel.

Annex 4 is located in the old dorm complex directly across the street from the Housing Office on Blandly Ave.

Tailored Uniforms

Measurements will be taken for custom tailoring of uniforms for officers, chief petty officers and enlisted men beginning at noon on Monday, April 16, at the Navy Exchange retail store.

Here for a visit at that time will be David Kessel, a Naval Uniform Shop representative.

For an appointment to see Kessel, those interested should contact the customer services clerk at the Navy Exchange retail store by calling 446-2586.

Flower Show Set

The Oasis Garden Club will hold a standard flower show at the Community Center on Tuesday. The public will be admitted from 2 to 8 p.m.

Garden Club members will exhibit works in two separate classifications — the horticulture division and the artistic division. On display will be more than 150 different flower arrangements, compatible with the theme of the show: "Phrases and Flowers."

Also on view will be an educational exhibit, by Tillie Barling.

ACS To Meet

Presentation of a lecture entitled "Food From the Sea" will highlight the April meeting of the Mojave Desert Section of the American Chemical Society.

The meeting, which is open to all interested persons, will be held on Monday evening, starting at 6:30, at The Hideaway in Ridgecrest. Dr. H. S. Olcott, who has been a professor of Marine Food Science at the University of California's Institute of Marine Resources since 1955, will be the speaker.

Unification Facts, Figures...

(Continued from Page 1) federal impact aid the Kern High School District receives because the parents of many of the students at Burroughs live on or work on the Naval Weapons Center.

This federal aid during 1971-72 amounted to an additional \$641,126 that was generated for the operation of Burroughs High, but was not spent locally — going instead into the general fund of the 13-member Kern High School District for use where needed districtwide.

In addition to the more than \$685,000 that was generated in 1971-72 for the support of Burroughs High School, but used elsewhere, Pinney went on to point out that the Kern High School District also received \$2,193,924 from nine additional federal sources, such as the Economic Opportunity Act, the Manpower Development and Training Act and the Vocational Education Act. This was federal aid that was not shared here in order to provide additional income for support of programs at the local high school.

Some inkling of just how the additional income is being divided up districtwide, exclusive of Burroughs High, was then provided by the China Lake Elementary School District official when he compared the cost per unit for educating students at Burroughs with two other schools in the Kern High School District.

Chosen for purposes of this comparison were Foothill High in Bakersfield, which has an ADA of 1888.44 students (nearest of any of

the schools in the district to that of Burroughs), and Arvin High, which is not a small school (ADA of 1446.67), but is isolated from the central district area in the same way that Burroughs is.

For the 1971-72 school year, Pinney found that the cost per unit of educating students at Burroughs was \$956.20 — an amount nearly \$300 less than the \$1,245.36 per student that was available for Arvin High. Also in comparison, Foothill High was able to spend

Resolution Passed

A resolution was adopted Tuesday night by the board of trustees of the Indian Wells Valley School District "condemning the publication of inaccurate, false and misleading Kern High School District statistics which tend to mislead voters regarding the unification election."

The resolution also calls upon the governing board of the Kern High School District (which includes Burroughs High) "to repudiate and retract these statistics which have been proven false, and to publicize the retraction with the same intensity and vigor with which the false figure were publicized throughout the Burroughs High attendance area."

\$1,045.12 per student — almost \$90 more than was provided for the operation of Burroughs.

In his report, Pinney also compared the 1971-72 teacher-pupil

ratio and the number of certificated (teacher and administrative) personnel at both Burroughs and Foothill High Schools. He found that Burroughs High had more students per certificated employee, 24.8 compared to 23.8 at Foothill High. In the number of certificated personnel on the faculty, Foothill High had the edge over Burroughs by a figure of 81.4 to 73.4.

Pinney concluded his presentation at the Ridgecrest Kiwanis Club meeting by citing estimated income for the 1974-75 school year, when the provisions of Senate Bill 90 will be in effect.

He used figures verified by Jacques Ross, chief of the Bureau of Apportionments and Reports in the State Department of Education, which showed that:

A "yes" vote May 1 on the school unification question would result in an income for the new unified school district of \$8,237,292. This is nearly \$1 million more than the total of \$7,252,069 that would be available for operation of the separate component school districts in the Burroughs High School attendance area if local residents vote against the proposed unification of schools in this eastern part of Kern County.

The projected income for the 1974-75 school year includes the amounts from just state and local tax money and federal impact aid.

In addition, there also will be other funds that will be available for support of special education, transportation and other special programs.

Defensive Driving Week Begins Sun.

Sunday, April 8, marks the beginning of National Defensive Driving Week, and many clubs and organizations will be sponsoring programs on safe driving techniques.

In view of this, NWC Safety Department officials feel that this would be a good time to discuss with family and friends the hazards that face motorists, and the defensive driving techniques to employ in order to enjoy accident-free motoring.

Investigations have shown that a majority of the auto accident injuries in this area are due to one

car rollovers caused by speeding on a curve, or by trying to get a vehicle back onto the road while traveling at high speeds.

A driver who finds that his car has drifted off the edge of the road SHOULD NOT slam on the brakes. Instead he or she should allow the vehicle to slow down without braking, or by braking very lightly, before pulling back onto the pavement at an angle much as would be the case of a person was riding a bicycle and this kind of a mishap occurred.

Road intersections appear to be the place where two vehicles most often collide, however it has been found that about 30 per cent of all accidents occur while a vehicle is passing (or being passed), or because one vehicle is following another too closely.

Take extra care while backing up a vehicle, the NWC Safety Department advises. The most common kind of vehicle accidents on the Center are those taking place in parking lots — particularly when backing out of front row parking spaces at Bennington Plaza.

The odds may be against the driver who leaves his parked car or truck where there is an obstruction, such as a light pole or fire hydrant, directly behind it. Starting to drive off later, the motorist may well forget about such an obstacle and back into it.

Many bicycles are being ridden at night without either lights or reflective material of any kind. Because of this, a good project for parents during National Defensive Driving Week would be to check their children's bicycles and help their youngsters either repair

them or install needed safety equipment.

Reflective materials of the type sold by local stores can make the difference between whether or not anyone riding a bicycle at night can be seen by a passing motorist in time to prevent a possible accident.

For those who ride motorcycles, the NWC Safety Department suggests that headlights be turned on during the day, as well as at night, since this helps insure that the 'cyclist will be seen by the drivers of other vehicles on the road.

Noting that many injury accidents involving motorcycles have occurred on borrowed machines, the NWC Safety Department suggests that all those riding motorcycles be familiar with their operation, as well as with the rules governing the use of motorbikes and motorcycles on the Center.

Unlicensed motorbikes must be pushed, with their engines turned off, across streets and to marked access routes. Once on such access routes, the speed limit is 10mph until the riding area is reached.

Even in those areas specifically designed for motorcycle and motorbike riding, however, care should be taken at all times, since the same areas also are used by other persons for different forms of recreation.

The NWC Safety Department urges that local residents make the coming week, as well as all other times, happy and accident-free for themselves and their families by observing the good driving suggestions outlined for National Safe Driving Week.

NWC Geophysicist Studies Volcanic Eruption

Dr. Norbert W. O'Hara, a geophysicist assigned to the NWC Research Department's Earth and Planetary Sciences Division, recently took advantage of the opportunity to gather data and record his personal impressions about volcanic activity that has resulted in catastrophic damage to the Icelandic community and its fishing industry on Heimaey Island, in the Vestmannaeyjar Island group.

The volcanic action, which began on Jan. 23, attracted scientists from all parts of the world to Iceland. It was a request from Admiral John Beling, Commanding Officer of the North Atlantic Treaty Organization (NATO) base at Keflavik, routed via Rear Admiral Carl O. Holmquist, a former Technical Officer at China Lake who is now Chief of Naval Research, that set the wheels in motion for approving Dr. O'Hara's participation in this quest for additional knowledge about volcanic eruptions.

This was not, as worldwide press accounts first stated, another eruption of the volcano Helgafell, which has been dormant for 6,000 years, Dr. O'Hara stated.

Instead, the eruptions that continued throughout the NWC scientist's two-week visit to Iceland, came from a new vent which had originated as a fissure about 1,700 meters long on the eastern side of the Island of Heimaey. The new volcano, named Kirkjufell, lies between the famous volcano, Hexla, located in southern Iceland, and the Island of Surtsey, which was formed in 1963-64.

Dr. O'Hara was of the opinion that he couldn't have picked a better time to be present to observe the volcanic activity on the Island of Heimaey. On the third day of his stay there, the NWC scientist teamed up with Dr. George Walker, a British geologist, and they observed and predicted the slumping of the western half of the volcano.

During this slump, the height of the cone dropped down several hundred feet resulting in an ash flow which moved the cone several hundred yards toward the nearby town, and covered additional homes and buildings with about 50 ft. of volcanic ash.

Inhabitants Evacuated The eastern part of the town on Heimaey Island was covered by about 18 ft. of airborne pyroclastic material (pea-sized ash) continuously ejected from the volcanic vent, Dr. O'Hara explained. The only inhabitants on the island when he arrived were about 150 security force personnel, whose job it was to try to keep roofs clear of the volcanic ash, Dr. O'Hara said. Normally, some 5,300 persons live there.

Although the prevailing wind generally blows the volcanic ash away from the town and out to sea, the town is slowly being covered with ash. The most serious threat, however, is from the lava flows that have been moving toward the ocean, but could switch direction toward the town, Dr. O'Hara noted. Should this happen, that would bring about the demise of the harbor where port facilities for Iceland's fish processing business — representing 10 per cent of the island's exports — are

located. It's the only harbor on the southern coast of Iceland.

Another threat to the town comes from the volcanic gases and backed up sewage system that have resulted in basement accumulations of gases having toxic levels and explosive mixtures.

Since there are no advance indicators or warnings of volcanic action, and because nothing can be done to shut off a volcano once it begins erupting, Dr. O'Hara reasoned that the only thing that can be done is to try to outsmart it.

The duration of this kind of volcanic activity can't be predicted — it could go on for months or years, he added.

Suggestion Offered

Dr. O'Hara's suggestion to the Icelanders was that they try to determine the hot spots in the volcano and, using infrared sensing equipment, locate those places where the lava is flowing and most likely to break through. Also making use of side-look radar to see through clouds of steam, the topography of the area can be determined. With this information, Dr. O'Hara foresees the possibility of directing the lava flows by the use of explosives.

He'd like to return to Iceland when the eruptions terminate, Dr. O'Hara said, to trace the lava flows and determine the effects of cooling lava on magnetism.

While he and other scientists were there, they were housed in a hotel that was run by the government, and accommodations were good. For the people who had to move out, however, housing is a problem and the fishing fleet forced to leave has run into difficulties attempting to find a place to drop anchor or tie up in other



SCENE OF DESTRUCTION — Volcanic ash spewing from the cone of the volcano Kirkjufell (in background) created this scene of devastation that was photographed by Dr. Norbert W. O'Hara, an NWC scientist, during his recent visit to Heimaey Island. About 18 ft. of airborne pyroclastic material (pea-size ash) has covered the eastern part of the town, as may be seen from this photo in which just the tops of some houses are visible. The township of Heimaey, with 2½ per cent of the population of Iceland, was until late January an important fishing center with some of Iceland's most modern fish-processing plants. As this photo was taken, only about 10 per cent of the town had been destroyed, but the longer the eruption continues the less hopeful are the prospects of saving it.

harbors.

Dr. O'Hara had words of praise for the help extended during this emergency period by U.S. Navy personnel assigned to the NATO Station at Keflavik, who have helped with the task of getting materials and equipment threatened by the volcanic ash and lava off the island and into storage. The NATO Station is a 45 min. flight from the Vestmannaeyjar Islands.

Local Seabee Reservists To Train in Puerto Rico

A two-week tour of active duty training is coming up beginning tomorrow for a group of 35 enlisted men and two officers who are members of local Sub-unit 11-2 of Reserve Naval Mobile Construction Battalion 17.

Headed by Lt. Tom Perch, Commanding Officer, and Ens. Steve Bovee, Executive Officer, the Seabee Reservists will board a chartered commercial 707 jet transport for a flight from China Lake to the U.S. Naval Station at Roosevelt Roads, Puerto Rico.

The trip is a reward for the officers and men who are members of RNMCB 17, which was selected as "best of type" for 1972 in competition with Seabee Reserve battalions throughout the U.S.

Two weeks of active duty training is an annual requirement for Seabee Reservists, but instead of going to Camp Pendleton—the battalion's destination prior to being singled out for special recognition—the unit is now headed for Puerto Rico for training in both construction activities and military operations.

While the main body will be at Camp Moscrip—the advance base for Atlantic Coast Seabees sent to Roosevelt Roads—separate detachments also will be sent to Guantanamo Bay in Cuba, to St. Croix in the Virgin Islands, and to Vieques Island (off Puerto Rico), where the Marine Corps operates a training facility.

For those assigned to Vieques Island, learning to fire mortars and how to handle other military firearms will play equally as important a part in their training as will the construction work to be performed.

According to Ens. Bovee, the training program calls for putting in 11 hours per day, five days a week, during the Seabee Reservists' two-week stay in Puerto Rico. Types of construction work

anticipated include the repairing of roads and piers, framing buildings, installing electrical wiring, and building sidewalks.

All equipment and supplies will be provided at the job site. Members of Sub-unit 11-2 of RNMCB 17 will take just their personal gear with them when they leave here early on the morning of April 7.

Noisy 'Cyclists Create Problem On Blueridge Rd.

The noise created by unlicensed motorcyclists and motorbike riders abusing their riding privileges in the Blueridge Rd. area has created a problem.

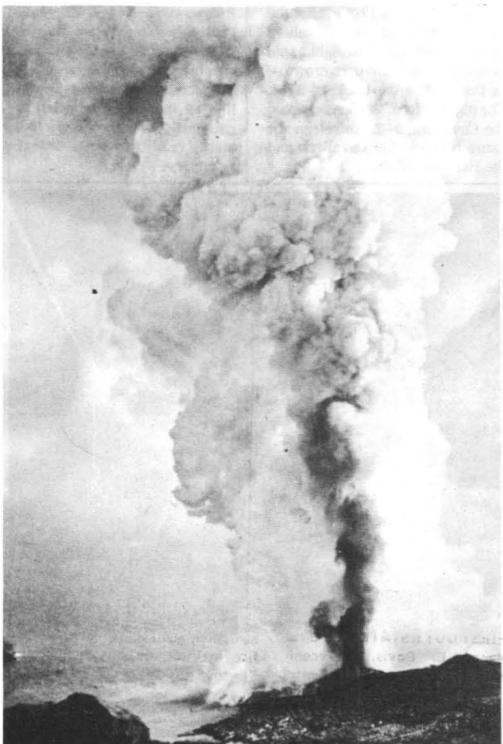
Riders have been in the habit of starting up their motorcycles as soon as they cross Blueridge Rd., and while still adjacent to homes, in spite of signs placed some distance away to let them know where to start their engines.

Because of this, a fence, which closes off this frequently-used route to the desert, has been installed in the rear of residences along Blueridge Rd. This has, however, created a hardship on others who use the same route for hiking, or for children heading out onto the desert to play.

In view of this, an opening will be made in the fence large enough to allow persons on foot to walk through, or motorcycle operators to push their 'cycles through.

Parents of youngsters who ride motorcycles in this area are asked to check to see that such vehicles are pushed as far as the start of the access route, which is marked by a blue and white sign located 300 ft. from any housing.

Engines should not be started until the motorcycle rider reaches the sign. Care also must be taken by 'cyclists when children and hikers are in the area.



VOLCANO ERUPTS — This aerial view of the volcanic eruption on the Icelandic Island of Heimaey was snapped from an Air Force C-130 aircraft by Dr. Norbert W. O'Hara during his recent visit to gather data about volcanic activity. Smoke and ash from the vent of the volcano Kirkjufell can be seen mixing with steam that is rising where lava is flowing into the ocean.