

Annual Awards Banquet Slated Jan. 28 by CLOTA

The third annual CLOTA Awards Banquet has been set for Sunday, Jan. 28, at the Chief Petty Officers' Club. A prime rib dinner will begin at 7 p.m., preceded by a no-host cocktail hour.

Tickets for the affair are \$4.50 per person and reservations must be made in advance. The ducats can be purchased from members of the Community Light Opera and Theater Association's board of directors, or from Larry Sawyer, who may be reached by calling 446-5479 after 4:30 p.m.

The banquet will feature a business report by Alan Paulsen, president of the board, but highlight of the evening will be the presentation of awards to actors

and actresses and backstage personnel who took part in the three 1972 productions - "Mame," "Plaza Suite," and "Guys and Dolls."

Awards for best actor, actress, supporting actor and actress, technical director, best set design and construction and best production will be handed out during the course of the evening.

In addition, a special award, the Jane Bugay Memorial Award, will be presented to the person who has made the most outstanding contribution to CLOTA during 1972. Mrs. Bugay, who was very active in CLOTA for a number of years, was killed in an auto accident last year.

Grand Land Singers To Perform Here on Jan. 26

The Grand Land Singers, a group of college-age patriots from Cerritos College, Cerritos, Calif., will visit the local area on Friday, Jan. 26, to present a program of inspirational music at the Center Theater, beginning at 8 p.m.

Since the group's inception in 1967, the Grand Land Singers have skyrocketed to national prominence, not only for their musical excellence, but for their portrait of America's past and present, challenging the audience for America's future.

Tour of Russia Subject of Talk At ASCE Meeting

"A Tourist's Impressions of Russia" will be the subject of a talk that is to be presented as a highlight of the next meeting of the Desert Area Branch of the American Society of Civil Engineers.

The meeting, which is open to all interested persons, will be held next Friday, Jan. 19, at The Hideaway in Ridgecrest. A social hour will precede the 7:30 p.m. dinner, and the talk by Dr. Arthur R. Maddox, a consultant in the Aeromechanics Division of the Weapons Development Department, is scheduled at 8:30.

Dr. Maddox, who attended a technical meeting in Russia this past summer, took numerous photographs and will present a portion of his film slide collection during his talk next Friday night. His discussion about Russia will cover historical background, art, architecture and people's attitudes.

Reservations to attend the Jan. 19 ASCE meeting can be made by calling Jim Serpanos at NWC ext. 3348, and are due no later than next Wednesday, Jan. 17.

Dance Set Tonight At Officers' Club

A dance, featuring music by a local instrumental group known as The Band Aids, will be held tonight from 9 to 1:30 a.m. at the Commissioned Officers' Mess.

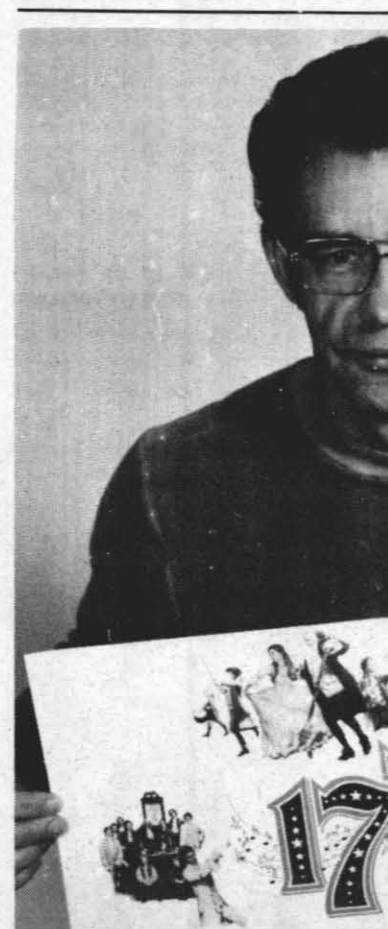
The Band Aids, who play ballroom dance tunes and some rock music numbers, were well received during a previous appearance two months ago at the Officers' Club.

They are a replacement for the Batuka band.

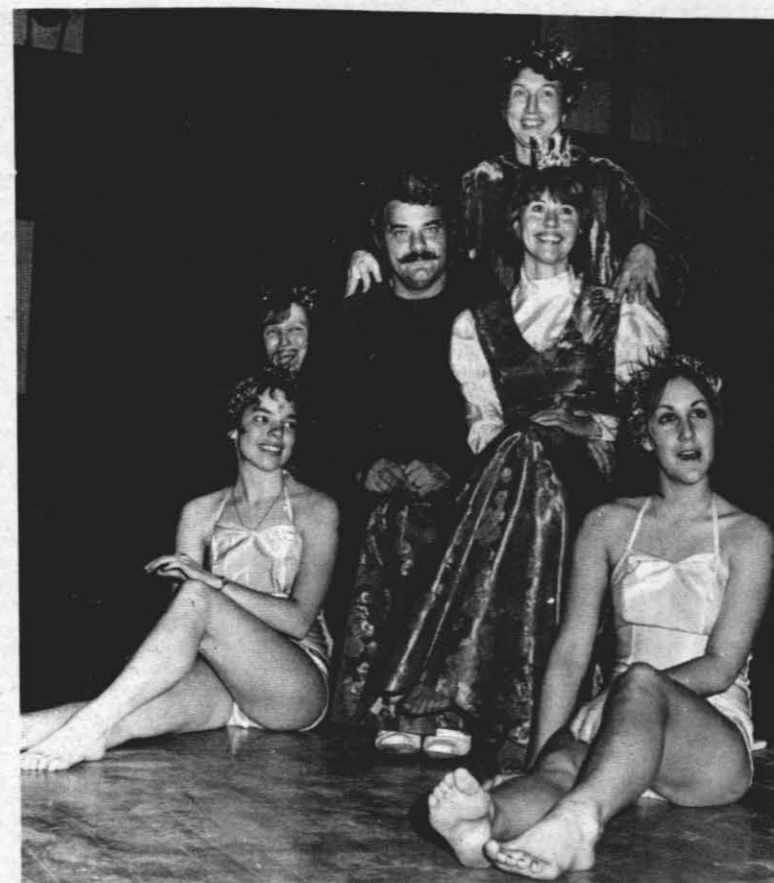
organization is under the auspices of the Latter-day Saint Institute of Religion program of the Church of Jesus Christ of Latter-day Saints and is based at the L.D.S. Institute at Cerritos College. Membership in the group is open to college age youth of all races and religions. All that is needed to be a member is talent, patriotism and a high moral character.

The Singers have a competent, highly dedicated advisory staff, headed by Randy Dalton, the musical director, who is a senior music major at Cal State, Los Angeles.

Tickets, priced at \$2 for adults and \$1.50 for students and military, can be obtained from Dave Taylor, phone NWC Ext. 3753, or 446-3459. It is hoped by the local LDS church, sponsors of the event, that all tickets will be "pre-sold."



CLOTA SETS TRYOUTS NEXT WEEK—John Anderson, CLOTA board liaison for the upcoming production, "1776," reminds ROCKETEER readers that tryouts for this musical recreation of the signing of the Declaration of Independence are set for next Tuesday, Wednesday, and Thursday evenings at 7:30 at the CLOTA rehearsal hangar on Upjohn Rd., just off South China Lake Blvd. in Ridgecrest. Director William R. Blanc hopes to find 26 men to fill the roles of Thomas Jefferson, John Adams, John Hancock and members of the Continental Congress. Two women's parts are also available. Scripts for "1776" are on reserve at the Ridgecrest Library and at the Center Library. Blanc suggests that interested persons may want to read the play before they attend tryouts.



REVELRIES, SHAKESPEAREAN STYLE—Oberon (Jack Lindsey), king of the elves, is surrounded by the court of Titania (Suzanne Koerschner), 2nd from right, in this rehearsal scene from "A Midsummer Night's Dream," by William Shakespeare. Theater 27 of Cerro Coso College will present the play on Jan. 19, 20, 26 and 27, beginning at 8:15 p.m. in the Burroughs High School Lecture Center. Standing behind Oberon and Titania is Puck (Del Nordseth) and the elves are Peaseblossom (Diane Foster), behind Oberon, while seated in front are, at left, Mustardseed (Debbie Sewell) and Cobweb (Mary Vernon-Cole). Pat Schwarzbach is the director of the show. Tickets, priced at \$1.50 for general admission and \$1 for students, children and military are now being sold by members of the cast, and also can be obtained at the Station Pharmacy or from the Gift Mart in Ridgecrest. —Photo by PHAN D. M. Jeneraux

College Choral Group Schedules Concert of Contemporary Music

The Cerro Coso College Choir, under the direction of Ray Blume, will present a "Pop" concert Monday, beginning at 7:30 p.m. in the multi-purpose room of Bur-

roughs High School. Fresh from a very successful Christmas Concert, the choir will perform medleys of favorite tunes from two popular Broadway musicals - "My Fair Lady" and "The Sound of Music."

The choral group will be augmented by a smaller number of musicians, who will perform some other contemporary music. In addition, a vocal quartet will sing songs made popular by the Carpenters, including "I Kept On Loving You," "Come Saturday Morning," and "Didn't We, Girl?" This quartet is composed of Cathy, Barbara, Richard and Steven Fowler. Richard and Steven will also play a jazz guitar duet, entitled "Classical Gas." Mrs. Joan Fowler will provide the piano accompaniment for the musical numbers.

Watercolor Classes Set by Local Artist

An 8-week series of watercolor classes, to be conducted by Ruth Mayer, a well-known local artist, will begin on Tuesday, Jan. 16, at 7 p.m. at the Community Center. Additional information about registering for the class, which will be held from 7 to 9:30 p.m., can be obtained by calling 446-5010.

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

FRI. 12 Jan.

"HAMMER" (STD 92 Min.) Fred Williamson, Vonetta McGee (Action Drama) This is a story about a decent chap unwittingly pulled into a shady life by the criminal element who infest the boxing world. The hero is eventually redeemed with the aid of a good woman's love. (R) 13 Jan. SAT.

"MATINEE—THE IMPOSSIBLE YEARS" (92 Min.) David Niven, Lola Albright (G)

"EVENING—THE MECHANIC" (STD 100 Min.) Charles Bronson, Jan Michael Vincent (Drama) A hired Los Angeles killer (Charles Bronson) takes on as his apprentice, Jan Michael Vincent, the son of the man he has killed. When the apprentice gets his first assignment from the organization, it is to kill his teacher-lover. (PG)

SUN. & MON. 14-15 Jan. "SHAFT'S BIG SCORE" (CS 105 Min.) Richard Roundtree, Moses Gunn (Adventure Drama) This second installment comes up with some very timely items including some commentary on the questionable illegality of the numbers racket and those who work and play it. The plot concerns the killing of a friend of Shaft's by his crooked partner. Involved is a quarter of a million dollars for a community center and the top seat in the Queens numbers racket. Shaft's goal is to find the money and even up the score with his crooked partner. (R) TUES. & WED. 16-17 Jan.

"WHAT BECAME OF JACK AND JILL?" (STD 93 Min.) Vanessa Howard, Mona Washbourne (Drama) Paul Nicholas and Vanessa Howard are the starbook characters of the title who gruesomely plot the death of Jack's 78-year-old Granny (Mona Washbourne) so they can grove on the poor old lady's money in London Town. (PG)

THURS. & FRI. 18-19 Jan. "WHEN THE LEGENDS DIE" (STD 105 Min.)

Richard Widmark, Frederic Forrest (Drama) This story is a carefully constructed, very moving and quite honest study of a young Indian's progression along the rodeo circuit from neophyte to practiced rider to casual killer and finally to the point where he must desperately backtrack upon himself and try to right what went wrong. (PG)

Navy Flying Club Plans Meeting On Flight Safety

The China Lake Navy Flying Club will sponsor a flight safety meeting, to be held next Tuesday, Jan. 16, beginning at 7:30 p.m. at the Community Center.

Cross country flight over a wide variety of terrain, with emphasis on different meteorological conditions indigenous to each, will be a feature of the 1½ hour program. Superb and exciting color motion pictures taken from the pilot's seat are used to illustrate the weather fronts and masses included in the discussion.

Two films have been scheduled for this second bi-monthly meeting, and an FAA flight service specialist will be on hand to answer questions.

The public is invited to attend the meeting. There is no charge and refreshments will be served.



Naval Weapons Center China Lake California Vol. XXVIII No. 2



EMERGENCY HELIPORT CONSTRUCTED—Following up on grading and site preparation work that was handled earlier by members of Reserve Naval Mobile Construction Battalion Sub-unit 11-2 of China Lake, concrete was poured last Saturday for the landing pad of an emergency heliport to serve the Ridgecrest Community Hospital. The landing pad, 25 ft. in diameter and up to 8 in. thick in the center, is located on Navy land across China Lake Blvd. from the hospital entrance. Looking on as the work began Saturday morning are (l.-r.) John Enriquez, of the S&E Construction Co. in Bakersfield; Ens. L.S. Murphy, project officer in the NWC Public Works Department, and Jake Gaddis, of the Ridgecrest Concrete Co. Enriquez brought a 5-man crew here to perform the labor, free of charge, while Gaddis' firm supplied the concrete at cost to the Rotary Club of China Lake, local service club whose members saw the need and contacted the necessary authorities in order to bring about this development. NWC's Public Works Department, headed by Capt. W. H. Sturman, played an important role in assisting the Seabee Reserves and clearing the way for obtaining permission to build the heliport. Yet to be completed is the building of a sidewalk and the installation of a fence around the heliporter landing pad. In the event of an emergency, however, the heliport could be used as it now exists. —Photo by PHAA S. K. Borders

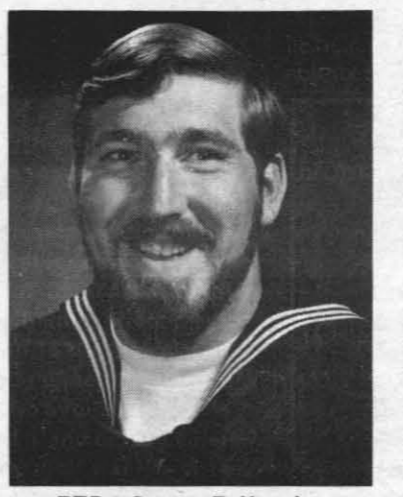
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School Unification Plan Okayed By State Board of Education

Members of the State Board of Education, meeting yesterday in Sacramento, gave their unanimous approval to a plan for unification of schools in this northeast part of Kern County. The plan calls for uniting

Heavican Selected As Bluejacket for January

Electronics Technician Radar Second Class George F. Heavican, a supervisor of the Ground Electronics Section of Code 8541, has been singled out as January's "Bluejacket of the Month" at the Naval Weapons Center. The Columbus, Neb., native was graduated from Schuyler High School, Schuyler, Neb., and then attended the National Electronics Institute's electronics technical school, where he received his diploma as a senior electronics technician. He entered the Navy on June 8, 1968, and completed basic electronics school in San Diego prior to being transferred to Electronics Technician A School at Treasure Island, Calif. Following his graduation, ETR2 Heavican was assigned to the Naval Weapons Center, arriving here in April 1971.



ETR-2 George F. Heavican

Shrike Seeks Out, Suppresses Enemy Radar Installations

Shrike (AGM-45A) is an air-ground anti-radiation guided missile designed to home on and destroy or suppress radiating targets. Various models of this missile have been used in Southeast Asia by the U.S. Navy and Air Force and have proven to be highly successful.

The Naval Weapons Center is the prime developer of this small, inexpensive weapon, acting as Deputy Program Manager under the Naval Air Systems Command.

Shrike grew out of exploratory work initiated at NWC in September 1968, in response to an operational requirement to counter anti-aircraft gun-laying radars.

Developed for the Bureau of Naval Weapons, Shrike was displayed and fired in public for the first time during a visit to China Lake by President John F. Kennedy in 1963.

The solid-fueled Shrike, with its sensitive all-electronic detection, guidance and control system, gave Fleet carrier fighter and attack aircraft a new capability against heavily defended tactical areas, combined with increased protection for pilots and planes under operational conditions.

Leroy Riggs, the Assistant Technical Director for development of electronic systems and head of the Electronic Systems Department, first conceived Shrike and sold the U.S. Navy on the idea. He was the program manager from 1958 until 1963 when George Cleary took over.

In 1964 Bill Porter assumed the leadership of the program until 1970 when Charles May was appointed to the post. May joined the program in 1960



READY FOR FLIGHT TESTING—A Shrike AGM-45A is mounted on the wing of an A-7E aircraft in preparation for flight testing. This solid propellant-fueled weapon has been successfully deployed by both the U.S. Navy and the U.S. Air Force in Southeast Asia to destroy radar directed, ground based, anti-aircraft targets. The Shrike, which is 120 in. in length and weighs 400 lb., is manufactured by Texas Instruments Inc., Dallas, Tex., Sperry Rand Corp., Bristol, Tenn., and Univac, Salt Lake City, Utah.

Jan. 12, 1973 INSIDE... Air Fair Set at Inyokern 2 Farewell to the Wards 3 Museum Plans Annual Meeting ... 4 United Fund Allocates Money ... 5 Sports 6 Film Set at IEEE Meeting 7 Grand Land Singers 8

Date Confirmed For Delivery Of TV Equipment

Notice has been received that new equipment which has been ordered to improve the local television reception of programs aired on Channels 2, 5 and 13 will be received here around March 22.

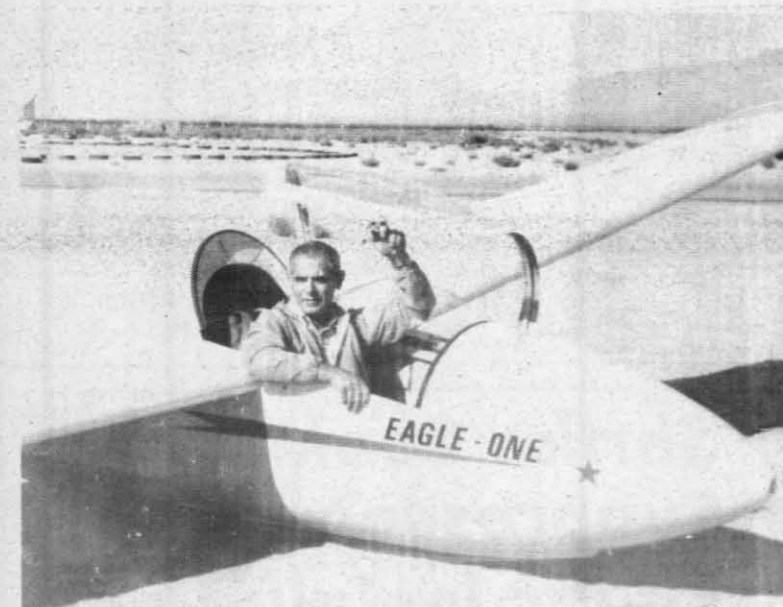
According to Dick Furstenberg, who heads the TV booster system maintenance crew, the late March delivery date should mean that the new transmitters will be on the air by April 1.

Confirmation of the order for the new equipment and the quote on delivery time was received from Electronics Missiles and Communications, Inc., in White Haven, Pa. Sent with the purchase order was an initial payment of \$4,000 to which the remaining \$12,000 (plus

(Continued on Page 5)

From _____ PLACE STAMP HERE TO _____

(Continued on Page 5)



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 4 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.

READY FOR AIR FAIR—Bill Porter, one of the nation's few glider pilots capable of performing aerial acrobatics in his powerless craft, will be among the special attractions at the second annual Air Fair which is coming up on Saturday, Jan. 27, at the Inyokern airport.

Glider Contest, Aerobatics Highlight Annual Air Fair

A demonstration of aerobatics by Bill Porter, one of the few sailplane pilots in this country who engages in such aerial maneuvers, will be among the feature attractions of the air show scheduled in conjunction with the second annual Air Fair on Saturday, Jan. 27, at the Inyokern airport.

The day-long affair, sponsored by the High Desert Detachment of the Marine Corps League, will begin with a model glider contest for local area youngsters up to 14 years of age.

Porter, a retired Air Force pilot from Lancaster who is now employed as a building inspector by Los Angeles County, will be at the controls of his Schweizer SGS-1-26 sailplane as he puts the craft through a series of loops, spins and stalls, as well as inverted flying—approximately 110-115 mph.

"Aerobatics is one of the ultimates of flying to me," Porter stated. "It is a tremendous confidence builder and teaches a pilot the capabilities of his aircraft. I started doing it years ago to show that a sailplane is completely controllable," he added.

Porter makes sure, however, that he never comes close to putting his sailplane through maneuvers which would place maximum stress on it. Although the Schweizer is stressed for 5 1/2 "G" loads, Porter never goes over 3 "Gs."

Porter, whose last duty with the Air Force was as a test pilot with the Air Defense Command in Colorado Springs, is a member of both the Experimental Aircraft Association and the Soaring Society of America.

Others who will join Porter in a (Continued on Page 5)

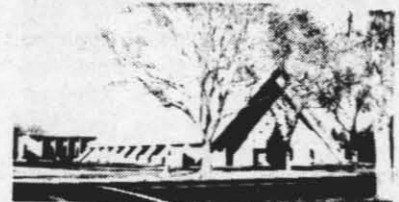
The Rocketeer

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 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.

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

BLESSED SACRAMENT CHAPEL MASS Daily except Saturday 1135 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 "In Home" Discussion Groups Monthly Youth Rallies 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 9S



PH1 D. C. Manderscheid, PH2 G. L. Taylor PH2 R. D. Cox, PH2 D. W. Yeatts, PHAN Jerry Sizemore, PHAN D. M. Jeneraux, ADJAN Bill Brooks, PHAA Shellie K. Borders 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 NavExOps 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 3354, 3355, 2247 Sunday Services 1930

Clerk-Typist, GS-322-3 or 4, PD No. 7250126. Code 5035—This position is located in Development Division I and provides clerical support to Fuze Project Branches IV and V. Code 5034-5035. Major duties include typing letters, technical articles and reports; maintaining records; scheduling appointments; and receiving visitors and telephone calls. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Short-hand or DMT experience is desirable, but not required. Job Relevant Criteria: Must be qualified typist. Must be familiar with Navy correspondence procedures.

Clerk-Typist, GS-322-3, PD No. 7184023, Code 842—Hours of work 0700 to 1700. Days off Tuesday and Wednesday. This position is located in the Police Division of the Security Department. Major duties include typing narrative and form reports of crimes and incidents, general correspondence, and a variety of forms, reports and actions; routing telephone calls; screening and distributing mail, filing and timekeeping. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be qualified typist. Must be able to maintain numerous files. Must have working knowledge of timekeeping.

Firefighter, GS-501-5, PD No. 7284014, Code 842—This position is located in the Fire Division of the Security Department. Major duties include driving and operating structural pumps, combination structural and brush pumps, and any type crash fire trucks; responding on ambulance calls as either driver or attendant; inspection of Center's buildings and property; and conducting training class for trainee firefighters. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Elements defined in article XX Section 3g of agreement between Naval Weapons Center and Local No. F-32 International Association of Firefighters. This announcement will be used to establish the promotion register for Firefighter GS501-5B.

File applications for above with Charlotte Siewkowski, Bldg. 34, Rm. 204, Ph. 3118. Purchasing Agent, GS-1105-5, 6 or 7, PD No. 7025011-1, 7025012-4 or 7025017-3, Code 2322—Incumbent is responsible for a wide range of purchases of standard commercial items and services, as well as some technical items. Quotations or offers are generally solicited by telephone. Incumbent is responsible to assure that the contract file contain adequate documentation to justify his purchase actions. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Two years general experience required at all levels with one, two and three years specialized experience required at the GS-5, GS-6, and GS-7 grade level, respectively. Job Relevant (Continued on Page 7)

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"LET'S PLAN ANOTHER GREAT SHOW"—Committee members met recently to discuss plans for "Fractured Follies, '73," the yearly entertainment extravaganza sponsored by the China Lake PTA to benefit the IWV Campership Fund. The event raised \$3,700 last year for the fund. The committee members are (left to right) Pat Homer, Jerry Fuller, Pat Noland, Dottie Cowan, Nancy Loundagin, Myrna Covert, Doris Dye, Judy Mendonca and Joanne Kaupp. The Follies will be staged on Feb. 15 and 16 at 8 p.m. at the Burroughs Lecture Center. A special "talent night" is planned on Jan. 31 at 7 p.m. at The Hideaway Restaurant in Ridgecrest. Performers will be picked at that time by a professional director from the Jerome H. Cargill Producing Organization, of New York City.



VISITS NWC—General Lewis W. Walt, USMC, Ret., (at left), talks with Col. E. D. Smith, USMC Liaison Officer at NWC, during a visit by the former Assistant Commandant of the USMC this past Tuesday. Gen. Walt accompanied Dr. Joseph Sperazza, head of the Army Material Systems Analysis Agency, Aberdeen, Md., to discuss programs with Dr. M. M. Rogers, head of NWC's Weapons Systems Analysis Division, Code 407. Gen. Walt served as Commandant of the 3rd Marine Amphibious Force from 1965-68.

China Lake PTA Plans 'Fractured Follies 1973'

Fractured Follies '73 will be staged on Feb. 15 and 16 at 8 p.m. in the Burroughs High School Lecture Center.

This yearly event, sponsored by the China Lake Parent-Teacher's Association for the Indian Wells Valley Campership Fund, brought in nearly \$3,700 last year and it is hoped that this year's event will be equally successful.

As in the past, the cast for the show will be selected after holding a "talent night." A professional director from the Jerome H. Cargill Producing Organization, New York, N.Y., will audition those persons who wish to go on stage for charity. As yet, the name of the director and the date for the talent night is not known.

Judy Mendonca and Doris Dye are heading up the committee. Nancy Loundagin will handle advertising and the programs are to be designed by Valerie Palmore. Joanne Kaupp and Myrna Covert have been given the task of publicity and Dottie Cowan and Pat Homer will be in charge of talent and rehearsals.

Pat Noland, president of the China Lake PTA, and Ann Faith are in charge of ticket sales. Jerry

Fuller has been assigned the task of lining up patrons and wardrobe is in the able thimble fingers of Ethyl Wiggins, Bonita Shearer and Norweita Cook.

Mary Cruise and Dan Meraz will line up ushers and Charlotte Paulsen has been designated stage manager of the show. Jeanne Gritton and Barbara Fabans will be seeking props throughout the community.

Price of admission is \$2.50, and interested viewers are advised to purchase tickets early.

Assessments Due Following Death Assessments are now due from members of the China Lake Mutual Aid Society and Government Employees Benefit Association following the death of Cec Wade, a former fireman in the NWC Fire Division of the Security Department.

Wade, who was 70 years old, died of cancer at Cedars of Lebanon Hospital in Los Angeles on Jan. 4. Larry Mason, secretary of the Engineering Division's electrical section. About 1956 he moved up to become the assistant head of the division.

In 1959, Earl left Public Works to become head of the Propulsion Development Department's Propellant Processing Branch. About 1962, he assumed the duties of associate head of what is now the Propulsion Systems Division.

During that time the Center took on several systems-oriented jobs requiring systems management; "Specifically, BOMROC and RAP," said Earl. "I was placed in charge of the program management group for those two projects," he recalled, "and about 1968 CHAFFROC was added and I'm now the program manager for that system."

In July 1972, Earl made yet another move, this time to Code 35. "We were placed in the program management group of Code 35 and now I'm called the head of the Ships Countermeasures Program office," he said.

Earl and Eunice have three children—Earl Ronald, a captain in the U.S. Army, Linda Jo, who was graduated from UCSB with a BS degree in biology, and

Employee In The Spotlight



Earl G. Love Jonathan, a junior at Burroughs High School.

With over 31 years in Civil Service, Earl Love could be thinking about retirement, but he isn't. "The work is just too darned interesting, and besides, I'm still a young man," he said, his face breaking into a wide grin.

Earl began his career in 1941 as an electrical engineer for the Puget Sound Naval Shipyard at Bremerton, Wash. Fresh out of college and married only one year, he eagerly looked forward to his new job.

"It was okay, but not too exciting. I worked for the Officer in Charge of Construction on dry-docks, repair facilities and the like," Earl explained.

Earl was born in Dexter, N. Mex., and was graduated from Dexter High School. He attended the University of New Mexico, in Albuquerque, and received a Bachelor's degree in electrical engineering. While a student at the university, he met his wife, Eunice, and the couple was married in 1940.

Earl worked at Bremerton until the summer of 1946 when he came to China Lake for the first time. "I joined the staff of the Officer in Charge of Construction here and worked on the construction of Michelson Laboratory. I also was involved in the Hawthorne housing work and the expansion of the Salt Wells facilities," he said.

In November 1947, Earl joined the Bureau of Reclamation and spent the next six years working on the design and construction of high voltage transmission lines and substations throughout the states of Colorado, Wyoming, Montana and Nebraska. "That was very interesting work. I used to enjoy hunting and I carried a shotgun with me nearly everywhere, even when walking to work," he stated.

Another aspect about the work that Earl enjoyed was knowing that what he did would last for generations. "That's not always the case here," he laughed.

In March 1953, Earl returned to China Lake and again worked for the OinCC as the head of the Engineering Division's electrical section. About 1956 he moved up to become the assistant head of the division.

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Jonathan, a junior at Burroughs High School.

Young Earl was graduated from Cal Poly, San Luis Obispo, with a Bachelor's degree in electrical engineering, then elected to follow a career in the Army. Linda Jo is married to a teacher in Central Valley, Calif., and teaches part time and raises their child. Jonathan is currently on the Burroughs High School cross country team and is a strong member of the Burros debate team.

Earl's hobbies deal with the outdoors. He likes to fish, hike, hunt rocks, does a little exploring and water skiing. Eunice says he is an excellent handyman and he has built additions to his home and made many things now in use by the family.

In past years he has served on the China Lake Elementary School Board (six years) as president, vice-president and clerk; Troop 41 committee member from 1953-60 with the Boy Scouts; Cubmaster for three years with Cub Scout Pack 341; local Desert Communication for the Southern Sierra Council, BSA, and worked with Little League, including holding the office of president.

He also has been a member of the NWC recruitment panel and served on the Navywide electronic countermeasures ad hoc group for three years.

Eunice has been a Den Mother, WACOM and Oasis Garden Club member, enjoys water skiing and helps Earl land the big ones on fishing expeditions. She has been an active member in the PTA and with the Protestant Women of the Chapel.

IEEE To Present Film Shot Behind Iron Curtain

"Only the Strong," a 27 minute documentary film describing the shifting balance of military power, will highlight the Thursday, Jan. 25, meeting of the Institute of Electrical and Electronics Engineers (IEEE), to be held at 11:30 a.m. in the Mojave Room of the Commissioned Officers' Mess.

The film shows and compares the various weapons systems of the two superpowers, in offensive and defensive terms, understandable by anyone. Much of the footage was shot inside the Soviet Union.

The film was made by an independent non-profit group, not affiliated with the U.S. government, and it is not classified.

PROMOTIONAL OPPORTUNITIES (Continued from Page 2)

Criteria: Must be knowledgeable in all small purchase methods and the basic techniques of formal contracting. Ability to deal with a wide variety of persons, establishing and maintaining good relationship. Must have a working knowledge of the products he is buying; the industry he is dealing with and the government regulations under which he must operate. Advancement Potential: GS-5 to GS-6; GS-6 to GS-7. File applications for the above with Claire Lewis, Bldg. 34, Rm. 202, Ph. 2723.

General, Electronics, Mechanical or Aerospace Engineer or Physicist, GS-11,12, or 13, PD No. 7240266, Code 4095—This position is located in the Systems, Integration and Evaluation Branch, Electro-Optical Systems Division of the Weapons Development Department. The incumbent coordinates all activities required to conduct a flight test program of a major air to surface weapon system. Consistent with grade level, duties include fiscal and technical planning; test procedure and report writing; data validation and analysis; coordinating the instrumentation and testing of systems and system components; coordination of project schedules with aircraft availability schedules; determination of hardware availability; assurance of compatibility of aircraft hardware interfaces; coordinating aircraft range activities, camera coverage of test events, and radio frequency availability. Job Relevant Criteria: Experience in instrumentation planning and familiarity with data acquisition and recording systems. Flight test experience and demonstrated ability to plan and coordinate efforts across organizational lines and technical disciplines is essential. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Note: Those who applied for this position as advertised in the 1 December 1972 Rocketeer do not need to reapply.

File applications for the above with Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2674.

Motion Picture Clerk (Typing), GS-1001-3 or 4, PD No. 7175019, Code 7532—The incumbent types motion picture scripts, film plans, budgets, schedules, memos, etc. Incumbent prepares detail processing and printing orders from the existing laboratory contract, and prepares laboratory orders for the "in house" laboratory. The incumbent also reviews and identifies incoming footage, catalogs, and files stock footage and preprint material and types film library index cards. Incumbent splices film and operates projectors of all types. Job Relevant Criteria: Applicant has demonstrated ability in routine office work. Possesses qualities of orderliness, and ability to adapt quickly to changing situations. Minimum Qualification Requirements: GS-3, 1 year general; GS-4, 1 year general and 1 year specialized.

File applications with Mary Morrison, Code 657, Rm. 212, Ph. 2271.

Electronics Engineer (General) GS-555-11, 12, PD No. 7385001, Code 8540—This position is that of Communication Engineer in the Communications and Electronics Maintenance Division. Incumbent is responsible for initiation, preliminary exploration and advance planning, engineering and coordinating of telephone and other communications systems. Develops and designs new instrumentation, equipment and procedures to meet the diverse conditions existing at the Center and tenant activities. Is responsible for the analysis and evaluation of the overall communications systems for improvement projects. Coordinates communication program objectives to assure conformance to

Hail and Farewell

For the month of December 1972. NEW ARRIVALS-CIVILIAN

Code 1765—Carolyn C. Wilke; Code 25921—Dora McCrumb; Code 3507—Richard L. Walters; Code 3514—Robert D. Hawkins; Code 3524—Harold F. Loyd; Code 4054—Virgil J. Flanagan Jr.; Code 4302—Robert T. Reid; Code 5072—Robert C. Lauer; Code 5562—Timothy B. Premeselaar; Code 5713—George L. Chilwood; Code 6042—Joseph J. Shaffer; Code 6521—Dorris E. Allen, Virginia L. Davis, Frances DeRosa and Hermiene C. Harris; Code 8412—Luelia J. Gaffield and Beverly J. Young.

DEPARTURES-CIVILIAN Code 13—Thomas S. Amle; Code 2521—Ronald A. Dajile; Code 3021—William D. Kiper; Code 3032—Leslie C. Hendershot; Code 3037—Helen C. Morrin; Code 3043—Mary E. Rockdale; Code 35034—June T. Amle; Code 3523—Barbara J. Coates; Code 355—Clarence Lattig; Code 4094—Catherine E. Donoghue; Code 4534—Jack L. Tongate; Code 4541—Ethyl F. Wiebke; Code 4544—Frederick A. Emerson; Code 4552—Raymond E. McCaw; Code 55121—Howard S. Grant; Code 55454—Franklin D. Lords; Code 55455—Philip Fallis; Code 5566—Marjory A. McCoy; Code 6014—Michael L. Knotek; Code 656—John B. Williams; Code 70421—Robert E. Reed Sr.; Code 70425—Neil J. Johnson; Code 70432—Gridding D. Williams; Code 753—Carolyn J. Kruse; Code 8411—Deleta J. Murn; Code 843—Delbert L.

policy and technical criteria from higher authority. Job Relevant Criteria: Extensive experience in telephone and other base communications. A knowledge of telephone company regulations and tariff restrictions. A knowledge of the principles, practices, electrical engineering and the ability to work without technical assistance in designing communications systems to meet the varying needs of the Center. Minimum Qualification Requirements: As outlined in X-118. "Librarian GS-1410-11, PD No. 6965014, Code 8552—Position is that of librarian in the Center library. Incumbent is responsible for Naval Weapons Center Library which serves military personnel, civilian employees and dependents of both. Responsible for program planning and directing, as well as being responsible for library operations and services. Minimum Qualification Requirements: As outlined in X-118. Job Relevant Criteria: Extensive experience as a professional librarian with cataloging, classification, indexing, storing, and retrieval of documents. File applications with Dora Childers, Code 657, Ph. 2022.

The Naval Weapons Center, China Lake, Calif., announces a competitive Promotion Examination for Model Maker (Machining) Foreman, WS-3403-12. Announcement No. NWC-2 (73). Applicants must file card NAVEXOS-4155AB, Standard Form 172, and Supplemental Wage Grade Supervisory information sheet with the Special Examiner, Rm. 101, Code 652, China Lake, Calif., to be received or postmarked by Jan. 29, 1973. Forms may be obtained at the Personnel Bldg., Rm. 100, China Lake, Calif.

The Naval Weapons Center, China Lake, Calif., announces a competitive Promotion Examination for Machinist Maintenance, General Foreman, WS-5315-13. Announcement No. NWC-1 (73). Applicants must file Standard Form 1972 (Supplemental experience or qualification statement) and Supplemental Wage Grade Supervisory information sheet with the special examiner, Rm. 101, Code 652, China Lake, Calif., to be received or postmarked by Jan. 29, 1973. Forms may be obtained at the Personnel Bldg., Rm. 100, China Lake, Calif.

Internal combustion engines are especially hazardous at idling speeds due to higher carbon monoxide and hydrocarbon emissions, it was added.

Air pollution, among other things, contributes to the incidence of such chronic ailments as emphysema, bronchitis, and asthma diseases which have increased dramatically in recent decades.

The potential hazards that can be created by the needless idling of motor vehicle engines within confined areas was cited this week in a notice received from the Western Division of the Naval Facilities Engineering Command at San Bruno.

This practice could lead to the dangerously high concentration of pollutants and toxic gases in specific locations and-or the carry-over of such pollutants into the air intakes of a building's air conditioning or ventilating system, it was noted in the warning from WESTNAVFACENGCOM.

Internal combustion engines are especially hazardous at idling speeds due to higher carbon monoxide and hydrocarbon emissions, it was added.

Air pollution, among other things, contributes to the incidence of such chronic ailments as emphysema, bronchitis, and asthma diseases which have increased dramatically in recent decades.



30 YEAR PINS AWARDED—A group of 18 employees of the Naval Weapons Center's Engineering Department were the recent recipients of 30 year Federal service pins that were presented by Dr. Ivar Highberg (front row, left), department head. Those receiving 30 year pins were (front row, from left) Clyde D. Marley, Anne B. Norwood, John R. Clark and Roy Webb. In the second row (l.-r.) are Lester G. Garman, John A. Everett, Alvert V. Sievert, Jr., Frank H. Young, Jr., Gilbert Fountain and Basil E. Young. In the back row (l.-r.) are James M. Egbert, Albert P. Dominguez, Herbert T. Lotef, Herbert D. Cook, Wilfred G. Clark and William D. Danley. Two others who received 30 year pins, but were unable to be present for the photo, are Robert R. Sizemore and Frank O'Connor. Out of this group, Everett, a supervisory electronics technician, has the longest record of employment at China Lake. He reported to work here on Feb. 9, 1946. Two of the 18—Garman and Lotef—are division heads in charge of the Test Support and Fleet Engineering Divisions, respectively, and five of those who received 30 years pins served on active duty in the Navy prior to coming to China Lake. They are Marley, Clark, Webb, Dominguez and Cook. Photo by PHAA Shellie K. Borders

Loewen's TV Cagers Rally To Knock Off ConTel Team

Loewen's TV cagers came from behind in the final period to overhaul Continental Telephone in a Division A contest of the China Lake Intramural Basketball League played Tuesday evening at the Center gymnasium to win, 70-64.

The game was highlighted by the 22 point performances of Warren Turnbaugh, of ConTel, and Scott Shacklett, of Loewen's. In addition, Gordy Irvin, a Loewen's forward, scored 21 points.

The win kept the TV quintet in a four-way tie for second place in Division A with the Blazers, Ace TV, and the Ensigns, each sporting a 2-1 record. NAF leads the league with a perfect 3-0 mark.

The Snarfs (3-0) downed the NAF Officers, 64-43, to take the Division B-1 lead in the opening match Tuesday. Pete Rice tallied 22 points for the Officers in a one-man vendetta that fell short of victory. Second place in Division B-1 is held by the Dispensary cage team which has a 2-0 record.

The Gentlemen did it again, this time to the Fuze Dept., as they trounced them 45-22 in a Rockin' Chair Division encounter. George Linstead netted 10 points and Murray Boyd 8 to lead the Gentlemen to victory.

The Over-the-Hill-Gang, with 3 wins and 0 losses, still holds down first place in the Rockin' Chair Division. The Gentlemen's record now stands at 3-1.

In basketball action on Wednesday, Jan. 3, the Hustlers romped over the Red Devils, 46-24, in the first of two Division B games at the gym. Huster Jim McClellan's 10 points was a big help in the win by his team.

The NWC Varsity All Stars broke the century mark as they mauled the Ensigns in an exhibition game the same night, 108-44. Bobby Moore and Lee Bess hit 20 points each to lead the scoring.

Logistics worked for the Supply cagers as they blitzed the Devastators, 43-19, in the final game on Jan. 3.

Jim Hansen accounted for 12 of Supply's points to take high point honors.

The Communications hoopsters didn't get through to one another very well on Thursday, Jan. 4, as the Tweets blasted them, 35-29, to

capture the Division B-2 league lead. Tweet Les Johnson's 14 points helped short-out the Communicators as his team now sports a 3-0 record.

The Wallbangers, with a 2-0 record, hold down second place in Division B-2.

In the second game of the evening, the Blazers downed the Ensigns, 65-58, despite a 21 point effort by Dave Taylor of the Ensigns.

The Dirty Dozen squeaked by 40-Love, 24-20, in a Rockin' Chair Division contest on Jan. 4. Jim Thompson tallied 7 points for the Dozen to lead all scoring.

Race Tightens In Hot Premier Bowling League

Loewen's TV hung onto a half-game lead in the Premier Bowling League last Monday, although Pollock Construction took them for two games. Western Columbia and Arden Dairies are tied for second, and Pollock is in third—one game off the pace.

Vic Black rolled games of 234, 210 and 214 for a 658 series to lead the scoring last week. Jack Herbstreit's 614 was good for second place and Jim Bowen fired a 612. Benny Whiteside hammered out a 244 game and a 610 series, and Doug Fisher tallied 609, including a 234 single.

Al Smith scored with a 608 series and Jack Leininger fashioned a 605. Thad Brightwell ran a 230 game into a 604 set, while John Revels scored an even 600.

Bernie Baake rolled a 259 and Jeff Mattick a 246.

Women's Scratch

Lou Richno blasted the pins for a 573 series, including a 213 game, to lead the scoring in the league last Monday evening. Doris Cosner wasn't left too far behind, as she managed a 202-560. Mary Jane Clark scored with 224 and 536, and Pat Brightwell tallied 527 on a 201 game.

Shirley Kirschieper's 200 helped her to a 519 series, and Charlotte DeMarco registered a 515, including a 206 single.

Marsha Archer also was among the leaders with 542 pins and Doris Boyack tallied 524. Lori Boyd had a 515.

Special Education Classes

The bowlers in this league are now competing for a right to take part in a tournament to be held soon at Taft. Seventeen members will be going, two five-man teams and seven singles only bowlers. Last week, Rueben Janes rolled a 154 game and a 432 series, and Alberta Hopkins' 369 was high for the girls. Luana Shepard posted a 154 single game.

Friday Mixed 4-Some

Pat Brightwell rolled games of 181, 232 and 212 for a 625 series and buried her husband, Thad, by two sticks as he could only manage a 623 set on games of 187, 213, and 223.

Other fine scores included a 630 series by R. C. Jones, who consistently fired games of 206, 202 and 222. Danny Ryan hit 222 twice and ended up with a 604 series.

NWC forward Lee Bess held a hot hand in the second half and wound up with a total of 18 points for the night to help the local varsity cagers to defeat Edwards for the first time in three encounters this season.



OPENING TIP-OFF—Kathy Burkhalter (left), of the Thunderbirds, and Carol Seeley, of the Sharks, stretch for the opening tip-off of the Girls' Basketball League last Monday evening at the Center gymnasium. The Thunderbirds won the game, 22-15. Two other games were played. The Bombers squeaked by the Renegades, 12-11, and the Rangers whipped the Outlaws, 10-8. Girls' League games will be played at 4:45, 5:45 and 8:15 p.m. each Monday.

Results of Opening Games in 1973 Youth Basketball League Reported

The China Lake Youth Basketball League, which began Jan. 2, involves a total of 267 boys and 70 girls from the local area.

There are forty 7-8 year olds in the Instructional Division; 60 boys in the 9-10 year old division, called the Intermediates; 67 boys in the Junior Division (11-12 yrs.); 50 competing in the 13 and 14 year old bracket (Senior Division); and 50 high school age boys in their own division. There are no separate age divisions within the Girls' League.

Action on Friday (Jan. 5) saw four games played. In Junior Division play, the Stars downed the Trailblazers, 25-20, and the Rockets out-blasted the Sonics, 27-24. Senior Division basketball saw the Bullets rifle past the Royals at the last second, 38-37, and then the

76ers trounced the Hawks, 56-28. On Saturday, the Red Devils edged the Jets, 10-8, and the Hot Shots out-shot the Bulldogs, 12-3, in two Instructional League practice games.

A pair of Intermediate games followed with the Bruins pulling the Cougar's tails, 16-5, while the Huskies defeated the Trojans, 37-9. Afternoon court action saw the Senior and High School divisions put on some fine displays of cage chicanery. The 76ers won their second game, downing the Bullets, 59-30, and the Bucks narrowly defeated the Royals, 29-26, in Senior Division hoop competition.

High School Division play opened with the Knicks knocking off the Pistons, 45-32, and the Celtics outscoring the Warriors, 66-55.

All-Stars Edge Edwards In MDISL Basketball Warmup

The China Lakers relied on teamwork and the fast break to defeat the taller Edwards AFB hoopsters.

The Air Force quintet taught China Lake one lesson during the evening—one that might stand the local squad in good stead during the Mojave Desert Inter-Service League basketball tournament, scheduled Jan. 18, 19 and 20 at Norton AFB. Edwards utilized a rule that allows an uncovered man to delay motion of the ball for up to 10 sec. In this manner, the visitors had time to set up the positioning of their players on offense.

The NWC Varsity squad will take on the George AFB cagers tonight in the Center gym at 7:30. All interested persons are invited to watch the game.



By Jack Lindsey

Paul King seems destined in life to play the role of the bridesmaid. In December, while playing a round of golf with Jim Heflin, Heflin recorded his second hole-in-one using a six iron on No. 8.

On Jan. 4, playing in a foursome with the Rev. Murray Boyd, golf pro Paul Someson and Ed Nelson, the latter sank an ace on the same hole using a seven iron.

Just the night before, at the January meeting of the golf club board of directors, Nelson had argued against the establishment of a hole-in-one insurance fund, stating that things were "too confusing."

Well, Ed, the Lord moves swiftly, and in strange ways.

And speaking of moving in strange ways, has anyone else heard about Marty Denkin's wrong-way basket? Marty dropped one in the wrong goal, while playing in a game last week in the Center gymnasium.

"Not my fault," says the NWC athletic director. "I asked the referee if I could shoot, and he said 'sure.'"

Marty dislikes having to work out with the other team now, and he says he feels funny when his own teammates guard him.

Young golf professional Pat McDonald began his participation in the Western Tournament Golf Association at the Yorba Linda Country Club this past Monday and Tuesday. The handsome son of Mr. and Mrs. Al McDonald of China Lake recently missed qualifying for the Professional Golf Association tournament tour, so he has elected to participate in the WTGA tour to get the needed experience for the big boys.

This coming Monday and Tuesday the 36-hole tournament will be split between Yorba Linda and the Serfas course in Corona.

Another 36-hole event will be held each week for 21 weeks. By that time, it is hoped that young Patrick will have the necessary skill to pass the qualifying school and hit the "big time." Good luck, Pat.

Archery Class Scheduled By Local Bowmen

The China Lake Bowmen will sponsor an archer's class for adults and youth, slated to be held on three successive Saturdays: Jan. 13, 20 and 27.

The classes will be at the Indoor Hut, located on the NAF road two blocks across the railroad tracks.

Registration will take place prior to the beginning of the class meetings, which are to be held from 9 to 12 a.m.

NWC To Pay Tribute to Newt, Maryon Ward

Dr. Newton E. Ward, the Associate Technical Director of NWC since 1970, retired from Civil Service on Jan. 5 after serving 27 years at China Lake. A farewell party honoring Dr. Ward and his wife, Maryon, will be held at the Community Center tonight from 6 to 8 o'clock.

All persons who wish to attend are cordially invited.

Maryon Ward has been head of the Center Library since 1963, following a five year stint with the Technical Information Department's Technical Library. She will resign her appointment, effective today.

The Wards will make their home at 3535 Linda Vista Drive, Vista, Calif., after Jan. 22.

"Our home will be open," said Dr. Ward. "A visit from old friends and workers is something we will look forward to," he added.

The retirement of Dr. Ward marks the first time since the Center's inception that such a high-ranking civilian has retired here.

Dr. Ward is a physicist and was graduated from Southwestern College, Winfield, Kans., with a Bachelor's degree in physics. He earned his Master's degree in 1937 from the University of Oklahoma, Norman, Okla., and received his Ph.D. from that institution in 1941.

He worked as a graduate assistant from 1935-37 and during the summers served as an assistant chemist for the El Reno Mill and Elevator Co., El Reno, Okla. From 1937-39 he was a demonstrator in physics at the university and during the school year 1939-40 studied as a graduate fellow.

His first employment following his Ph.D. was with the Magnolia Petroleum Co., Dallas, Tex., as a research physicist. Then he became a staff member of the Massachusetts Institute of Technology in the radiation laboratory, Cambridge, Mass.

In 1945, Dr. Ward left MIT to come to the Naval Ordnance Test Station, Inyokern (now NWC), to head up the Aviation Ordnance Division's development group, a job he held until 1948.

At that time he was made the assistant head of the division and

head of the Aircraft Projects Section, and served in that capacity until 1950, when he was named associate head of the Aviation Ordnance Department.

Dr. Ward became head of the department in 1954, and held this position until 1960 when he was chosen to be the Assistant Technical Director for Development (Weapons Systems), in addition to his duties as head of AOD.

For a brief period in 1970, Dr. Ward was the Acting Deputy Technical Director for the Center, then was appointed to the post of Associate Technical Director.

There have been many highlights along the way, including his being chosen to receive the L.T.E. Thompson Award in 1962, and some "outstanding" ratings. He was honored by the China Lake Elementary School District in 1959 for his five years of service to the district.

In a recent article in The ROCKETEER, Dr. W. B. LaBerge, NWC's Deputy Technical Director, said of Dr. Ward: "His unquestioned integrity, ethics and unfailing gentleness have been a standard for a whole generation of China Lake people. Like Bill McLean and Hack Wilson, Newt has been a leader forming this place in their image, and we are the better for it."

Mrs. Ward, who was born in Ardmore, Okla., was graduated from Ardmore High School and entered the University of Oklahoma, at Norman, where she earned Bachelor's degrees in library science and political science.

She met Dr. Ward while they were both students at the university and the couple was married on June 9, 1941. They have two children, Thomas Edwin, a graduate student at Harvard University in Cambridge, Mass., and John Allan, who recently was graduated from the University of California Medical Center, San Francisco, as a Doctor of Pharmacy.

Tom was married in 1972 to the former Annmarie Rehm, of Summit, N.J., who is also a student



at Harvard.

Mrs. Ward, according to O. A. Imer, head of the Command Administration Department's Special Services Division, has "... done a tremendous job as head of the Center Library."

Imer elaborated: "When you measure her achievements, the one that stands out is her efforts to increase the physical size of the

library. This occurred in 1968 when the south portion of the library was renovated and 100 per cent more usable space was developed. In addition, Mrs. Ward was always extremely concerned about publicizing the library's services," he added.

"During the recent visit from Carl Rauber, the 11th Naval District Librarian, the Center Library received an Outstanding

rating," the Special Services head acknowledged.

"Approximately 300 volumes are handled per day in the library," Imer commented, "which is the highest patronage in the District, and probably world-wide in the U.S. Navy," he said.

"Mrs. Ward has been the key factor in our successful operation," he concluded.

ABOUT THE ARTIST

Danny Jones, graphic artist in Code 75124, came to work at NWC on Aug. 14, 1967, as an illustrator for the Technical Information Department. As a visual information specialist, Jones is frequently called upon to prepare designs and drawings for special publications. He holds an associate in arts degree from Bakersfield College in art and will be teaching illustration at Cerro Coso College this coming spring semester.

Bluejacket...

(Continued from Page 1)

wife, Christine, will stay at the Ramada Inn and receive their meals at the La Ramada Restaurant.

Heavican met his wife in Denver, while he was attending school there. She presently works as a clerk for the Ridgecrest City Building Department.

Heavican enjoys working on automobiles and playing handball. He competed for a short time in the slo-pitch softball league last season.

He and Christine both enjoy snow skiing and get away as often as they can. Christine likes to sew and cook and does a lot of baking.

"My duty here has been very good," said the January Bluejacket. "I work for a great division and China Lake NWC is a good command to be assigned to," he added.

Former Technical Director Honored as 'Fellow' by IEEE

The board of directors of the Institute of Electrical and Electronics Engineers has conferred the grade of Fellow in the IEEE upon Dr. William B. McLean, Technical Director of the Naval Undersea Center, San Diego.

Dr. McLean, Technical Director of NWC from 1954 until he took over the reins at San Diego in 1967, was cited for the honor "... for his contributions and inspiring leadership in missile and ocean technology."

This is the second special recognition given Dr. McLean by the IEEE recently. In February 1972 he was presented the Institute's Harry Diamond Award for "outstanding leadership of developments in guided missiles and undersea exploration and transport."

For his work in developing the Sidewinder Air-to-Air missile, Dr. McLean was awarded the maximum Federal Government award of \$25,000 in 1956.

In 1957, he received a Resolution of Commendation by the California State Legislature for the Sidewinder development, and in 1958 he was presented the President's Award for Distinguished Federal Civilian Service.

Dr. McLean also has been the recipient of numerous other honors

and awards, among them the American Ordnance Association's Blandy Gold Medal; the



Dr. William B. McLean

Rockefeller Public Service Award for Science, Technology and Engineering, and the Secretary of the Navy Certificate of Commendation.

Book Group To Meet

The book review group of the American Association of University Women (AAUW) will meet at the home of Joy Young, 1260 Sage Ct., Ridgecrest, at 1:30 p.m. on Monday.

The public is invited to attend.

Sport Fishing Licenses for '73 Now Available

The California Department of Fish and Game reminds anglers that sport fishing licenses and license stamps for 1973 are now on sale at DFG offices and license agents throughout the state.

Angling licenses are issued on a calendar year basis, and 1973 licenses were required beginning this past Monday.

Fees are \$4 for resident licenses, \$1 for the inland waters stamp and \$2 for the trout and salmon stamp. The three-day Pacific Ocean license costs \$2.

With approximately 2.3 million licensed fishermen, California is the leading state in fishing license sales.

Feb. 1 Deadline Set for WEPCOSE Training Program

Thursday, Feb. 1, is the deadline for the receipt of applications from NWC employees who are interested in the Weapon Control Systems Engineering (WEPCOSE) post-graduate training program for 1973-74.

According to Dr. G. J. Plain, NWC Education Director, the applications, accompanied by an endorsement from the applicant's department head, must be received in his office by the Feb. 1 deadline.

Included with the application papers that must be completed is a performance appraisal form which can be obtained from the Education Office, Room 10102 in Michelson Laboratory.

Additional information about the WEPCOSE post-graduate training program can be obtained by contacting the Education Office, phone NWC ext. 2641.

Last of Flying Marine NonComs To Retire Soon

Placement on the retired list on Feb. 1, 1973, of the last four enlisted pilots on active duty will bring to an end the era of the Naval aviation pilot.

The four, all Master Gunnery Sergeants in the Marine Corps, are Robert Lurie and Joseph A. Conroy, both stationed at Cherry Point, and Leslie T. Ericson and Patrick J. O'Neill, stationed at the El Toro Marine Corps Air Station.

All four began their active duty during World War II and will have completed over 30 years of active service upon retirement.

The term "NAP" became the official terminology of the program in 1919, although there were enlisted pilots during World War I. Over the years, however, they have been called Flying Peons, Enlisted Pilots and Flying Sergeants.

The NAPs themselves adopted the Flying Peon name and a patch that depicts wings through an enlisted chevron.

The program reached its peak during World War II. From 1942 through 1945 more than 500 enlisted Marines were so designated. Many NAPs later received commissions and also flew as officers.



TIME FOR REMINISCING—A pleasant time recalling mutual acquaintances and activities at East Lansing High School in East Lansing, Mich., was enjoyed Tuesday evening by Capt. and Mrs. D. W. Alderton (on right) and Mr. and Mrs. William Werback. The occasion was a dinner meeting at which Werback assumed the duties of president of the China Lake Community Council and Capt. Alderton, the NWC Deputy Commander, and Mrs. Alderton were special guests. Both Capt. and Mrs. Alderton and Mr. Werback were classmates and were graduated with the Class of 1940 at East Lansing High School. Mrs. Werback also is an alumnus of the same high school, but was graduated a few years later.



NEW YEAR LAUNCHED—The first meeting of the new year for members of the board of directors of the China Lake Community Council was held Tuesday evening at the Commissioned Officers' Mess. Capt. D. W. Alderton, NWC Deputy Commander, was a special guest at this event, along with Mrs. Alderton, and in brief remarks expressed appreciation for the efforts being expended on behalf of the community by the officers and directors of the China Lake civic group. The president's gavel for 1973 was turned over to William Werback by Gene Baker, former vice-president, who filled in due to the absence of Richard Shultz, the '72 president. The Community Council's new officers and directors are (seated, l.-r.) Mary Rayner, treasurer; Werback, president; Robert Fletcher, vice-president, and Reuel Lanney, secretary. Standing are (from left) directors Rudy Shepard, Martha Pena, Martin Denkin and Don Stanton. One other director, Dick Mahan, was unable to be present.

Dinner Meeting Marking 10th Year Of Maturango Museum Set. Jan. 23

The first decade of serving the Indian Wells Valley will be celebrated at the annual meeting of the Maturango Museum board of trustees on Tuesday, Jan. 23, at the Chief Petty Officers' Club.

A buffet dinner will begin at 7 p.m., preceded by a social hour for those who wish to arrive early. Price of the dinner is \$4 per person and reservations are required.

Dr. Charles Hogue, the widely traveled Senior Curator of Entomology at the Los Angeles Natural History Museum, will be the guest speaker for the occasion. Recently returned from an extensive expedition in the Rincon Forest of Costa Rica, Dr. Hogue has chosen as his subject, "On the Trail of the Army Ant."

He will show highlights from a one-hour film (called a "drama") which will be shown later in the year on Alan Landsburg's "New Explorer" TV series. A keen

observer and a fine photographer, Dr. Hogue will bring a first-hand report on this fascinating and "romantically feared" species to those attending the dinner meeting.

The primary business of the meeting will be to elect three trustees. Two incumbents, Charles Van Hagan and Gene Boehme, will be up for re-election, and Kristin Berry, Carroll Evans and Pat LaBerge have joined them in the quest for the three vacancies to be filled.

The Maturango Museum first opened its doors in 1962 and the first annual meeting was held on Jan. 28, 1963. Kenneth H. Robinson, retired head of the Technical Information Department, was elected as the first president of the board of directors. Sylvia Winslow was the first curator of the museum, founded largely through the efforts of Mrs. Rhea Blenman, wife of Capt. Charles Blenman, the NOTS Commander at the time.

Since its early days, the museum has grown considerably. The museum sponsors a lecture series

Local Chess Club To Host East Kern Tourney

The China Lake Chess Club will host the East Kern County Chess Championship tournament on Feb. 3, 10 and 17 at the clubhouse, 401-C McIntire St., on the Center.

Entry fees are \$5 for non-club members and \$3 for male members of the chess club. Juniors 12-18 years of age may enter for \$2, or must pay \$2.50 to compete in the open category. The fee for juniors below 12 years of age is \$1.50 or \$2 for the open competition. Women's fees are \$2.50.

Registration for the tournament may be made at the clubhouse, where meetings are held from 2:30 to 7 p.m. on Saturdays and from 7 to 10 p.m. on Wednesdays.

Shrike...

(Continued from Page 1) Mayne was responsible for most of the missile's delivery systems.

Texas Instruments came into the picture in early 1964. The present program manager for TI is Gene Harrell and the current production manager is William Hatfield. Barry Copeland heads up the guidance section design area for TI.

One man who has been with the program since the beginning is Jud Smith, head of the Systems Analysis Section.

Because Shrike was designed and developed by a government laboratory which provided a complete documentation package for bid between competitive contractors, a cost savings exceeding 100 million dollars over that normally experienced in sole-source procurement was realized. To date, over 17,000 Shrikes have been manufactured.

The design and development of Shrike was greatly enhanced by the support provided by Navy pilots who evaluated the weapon from Fleet aircraft on the Center's test ranges.

To assist the pilot in selecting a specific type of target, two displays have been developed for use with Shrike. One system is called the Shrike Improved Display System (SIDS), and the other the Target Identification and Acquisition System (TIAS). These systems are now available in the Fleet for use in A-4 and A-7 aircraft.

Job Instruction Training Course To Be Offered

Enrollment is now being taken in a day-long Job Instruction Training course to be offered on Tuesday, Jan. 30, at Annex No. 1 of the Training Center.

The course, which will be taught by personnel of Guthrie Associates in Tustin, Calif., is designed to develop skills of both the supervisor and the subordinate.

Employees interested in taking this course should submit NWC Enrollment Form 12410-28 via department channels in order to reach Code 654 no later than Jan. 18.



30 YEAR PIN AWARDED—Robert Nelligan, associate head of the Employment Division and professional recruitment coordinator for the Naval Weapons Center, was the recent recipient of a 30 year Federal service pin that was presented to him by Ray Harrison, head of the NWC Personnel Department. Nelligan came to China Lake in May 1949 from a job with the Veterans Administration facility in West Los Angeles. His other federal service included four years of active duty as an officer in the Navy, 1942-46. Nelligan's work as a recruiter of NWC employees dates back to the mid-1950s.

School Unification Plan Okayed...

(Continued from Page 1) schools within the remainder of Kern County.

Kern County is the only one of California's 58 counties that has not yet decided upon a plan for unification of schools and held an election on this matter, Dr. Spears noted.

In mid-December, trustees of the Kern High School District had reaffirmed their opposition to the local unification proposal, which would sever Burroughs High School from the countywide high school district attendance area.

Not unexpectedly, therefore, opposition to favorable action on the proposal by the State Board of Education was voiced at yesterday's hearing by Dr. Harry Ward, the high school district's assistant superintendent in charge of business.

While high school district administrators and trustees are critical of a piecemeal approach to unification, they are on record in support of a countywide unified district, or unification along existing high school attendance boundaries.

Also in Sacramento to oppose the local school unification proposal were George L. Larsen, principal of the Rand Elementary School, and Louis J. Osborn, a member of the Rand School District's board of trustees.

School officials of the China Lake Elementary and Indian Wells Valley Union School District have proposed unification because enrollment in China Lake elementary schools has been declining, while some grades at elementary schools in Ridgecrest have been forced to resort to double sessions because of overcrowding. Joining together of the two elementary school districts in the China Lake-Ridgecrest area will enable a \$4 million school expansion program in Ridgecrest and Inyokern to be deferred.

Approval by the State Board of

Education of the local plan for unification of schools will clear the way for holding an election sometime in April or May, Dr. Spears reported. In the interim, public hearings and meetings will be held to explain the details of the school unification plan for this area.

Should voters of the local area decide in favor of school unification, steps would then be taken to elect a board of trustees for the newly unified district, hire a superintendent, and make all the preparations necessary for beginning operations. The earliest date that a new unified school district for the local area could become a reality is July 1, 1974, Dr. Spears said.

Dr. Spears was accompanied to Sacramento by Rod McClung, a member of the China Lake Elementary School District's board of trustees; Marian Lambert president of the China Lake Education Association, and Billy Moore, president of the local branch of the California School Employees Association.

In attendance at the hearing in Sacramento from the IWV Union School District were Ruth Lewis and Marvin Heinsohn, superintendent and assistant superintendent, respectively; Richard Lewis, a school board member, and Kenneth Holan, president of the Desert Educators Association, local area branch of the California Teachers Association.

Cross Country Bike Trip To Be Discussed

A talk describing a cross country bicycle ride from Ridgecrest to Detroit will be presented at next Tuesday evening's meeting of the Indian Wells Valley Bicycle Club.

The speaker will be Roi Ballard, a Ridgecrest resident, and the meeting, which is open to all interested persons, will be held in Room N-57 at Burroughs High School, starting at 7:30 p.m.



PATENT AWARDS—Employees of the Systems Development Department received three individual patent awards and one joint award during a recent ceremony. The recipients shown above are (l.-r.): Thomas A. Westaway, William R. Morrow, Claude Brown and Larry Manning. Westaway is an electronics engineer who was attached to the Sensors and Signal Processing Branch (Code 3045) at the time he applied for the patent, entitled "Phase Reversal Pulse Modulator and Pulse Compression Filter for a Coherent Radar." Westaway is now employed by Code 3556. Morrow received a joint patent with Vern Logue and Ken Bryant, who were not present for the photograph. Their patent was entitled "Recursive Integrator." Morrow is an electronic engineer in Code 3045, as is Logue. Bryant is associate head of Surface Threat Development in the Countermeasures Division, Electronic Systems Department's Countermeasures Division. Brown received a patent award for his "Digital Target Acquisition System." He is head of Code 30's Weapons Control Branch. The award to Manning was made for his "Contact Delay and Self Destruct Circuit." Manning is head of the Systems Integration Group in Code 30's Guidance and Control Division. —Photo by PHAA S. K. Borders



SNOW HITS VALLEY—The first local snowfall since Dec. 27, 1971, left this scene early Tuesday morning at the Naval Air Facility. Rain, that turned to snow, fell between midnight and 6 a.m. Tuesday, but melted off quickly in most places. The biggest problem was the reduced visibility which made it necessary to curtail all flight activities during the morning hours on Tuesday. Personnel in the NAF Weather Service office reported that the short-lived storm brought .14 in. of rain and approximately 1 1/2 in. of snow.

Funds Remaining From '72 Campaign Allocated by IWV United Fund Board

Clearing the way for a new year of activities on behalf of the 16 member agencies of the Indian Wells Valley United Fund, the United Fund's board of directors met Tuesday to decide upon the allocation of \$16,124 still remaining from the 1972 campaign.

Eight of the local United Fund's

Air Fair...

(Continued from Page 2) demonstration of aerial acrobatics during the Air Fair at Inyokern are Mira Slovak, piloting a Bucker Jungmeister biplane; Gerry Massey, of the McFarland Crop-dusters, who will bring his "Little Toot" biplane here for the show, and Al Newell, flying a Scorpion One helicopter.

As a prelude to the afternoon's air show, the model glider contest for local youngsters will be held from 9 a.m. to noon on Jan. 27. Entrants up to 14 years of age will be divided into four age groups and will be vying for first, second and third place trophies in each group.

There also will be a grand prize which will go to the builder of the model glider that has the best overall flight time for the day.

Kits for building the model gliders (three sizes are available) can be obtained at the NWC Woodworking Hobby Shop and at the Gift Mart and Cornelius Shoe Store in Ridgecrest, and the NWC Youth Center.

Funds raised by donations from those attending the Air Fair, which also will include displays of a variety of World War II fighter aircraft and experimental aircraft, as well as aircraft fly-overs and other displays, will help make it possible for a blind Marine to undergo training at a school for guide dogs for the blind, where a canine companion will be assigned to the blind ex-serviceman.

TV Equipment...

(Continued from Page 1) shipping costs) will be added following delivery and after it has been determined that the transmitters will operate satisfactorily.

This will be the first major improvement to equipment installed for receiving and transmitting the signals for Channels 2, 5 and 13 since a new relay station was set up on B Mt. during the latter part of 1963.



20 YEARS IN FEDERAL SERVICE—Roy Miller (at right) NWC Patent Counsel, recently received his 20 yr. Federal service pin from Dr. Newton Ward, NWC Associate Technical Director. Miller, attached to the Office of the Commander for Patent Services has been an employee at China Lake for more than six years. Some of his previous positions include those of patent examiner in the U.S. Government Office, Washington, D.C.; patent advisor, at Carderock, Md., and at the Naval Electronic Laboratory, San Diego; procurement patent advisor, Washington, D.C., as well as work in the office of the Assistant Chief of Patents, Office of Naval Research. Miller's job here is to advise Command on all patents, trademark and copyright matters, contract patent rights, clauses and data policy. —Photo by PHAN D.M. Jenereaux