Page Eight

"OH, GIVE ME A HOME . . . "-For a week at camp, anyway. That could be what Ann McCubbin, left, and Pat Noland are singing, as they warm up for the talent night auditions for this year's performance of the "Fractured Follies." The annual musical revue will benefit the IWV Campership Fund, which sends needy children to camp each summer. The revue will have a Western flavor this year, reports the chairman. All Valley residents are invited to the auditions that will be held on Tuesday night, beginning at 7:30, at The Hideaway restaurant in Ridgecrest.

Auditions for 'Fractured Follies' Set Tuesday Night

Follies" musical revue will be held at 7:30 p.m. Tuesday at The select the cast. Hideaway restaurant in Ridgecrest, according to Ann McCubbin, chairman of the event.

An open invitation to participate in the '72 Talent Night has been extended to all Valley residents. The annual show is planned as a March 4. benefit for the Indian Wells Valley Campership Fund.

Singers, dancers and actors of all this year.

Costumes, music and script will be provided by the Jerome H. New York, which also will supply a of the evening rehearsals.

Auditions for the "Fractured professional director. The latter will be on hand Tuesday evening to

> Rehearsals will begin Feb. 16 and continue each weekday and evening until the first performance on Friday, March 3, at 8 p.m. at the

According to members of the Center, under the auspices of sizes, shapes and talents are made for both daytime and directed by Alan Kubik. needed to complete a cast of over evening rehearsals in order to 100 for the musical comedy show, accommodate persons who would which will have a Western theme be unable to attend evening rehearsals only.

Daytime rehearsals will be held in the Station Theater, and Murray Cargill producing organization, of School's auditorium will be the site



SEARCH AND RESCUE TEAM ELECTS 1972 OFFICERS -Officers of the IWV Search and Rescue Team for 1972 elected recently by the membership pose for an official photo. They are, I-r, Bob Wilhelm, surface lieutenant; Gary Peek, underground lieutenant; Fred Camphausen, secretary-treasurer, and Sam Wyatt, elected for a second term as team captain. Kern County Sheriff's Department regulations provide that four team officers be elected to act as liaison between the team and the department, and to be in direct charge of the team during its surface and underground (mine) search operations.

ROCKETEER

MOVIE RATING

ective of the ratings is to inform rents about the suitability of movie tent for viewing by their children. (G) - ALL AGES ADMITTED

General Audiences GP) - ALL AGES ADMITTED

Parental Guidance Sugge (R) - RESTRICTED Under 17 requires accompany

ng Parent or Adult Guardian 11 February

"BLACK BEAUTY" (106 Min) Mark Lester, Walter Slezak (Action Drama) Excellent screen adap-

tation of classic tale of a colt that becomes the property of gypsies, is sold to the circus and then becomes an Army horse. The family film everyone wants. (G) "HOT TO RIDE A HORSE" (7 Min) 12 February

-MATINEE-'THE OUTLAWS IS COMING" (89 Min) Three Stooges

> "WILLIE THE KID" "THREE LITTLE PIGS" -EVENING-

"TAKE THE MONEY AND RUN" (85 Min)

"TAKE THE MONEY AND RUN" (as Min) Woody Allen, Janet Margolin (Comedy) The kookiest put-down you ever saw with Woody an inept criminal, a cross between a retarded Clyde Barrow and a butterfingered Cool Hand Luke! Fast paced with a gag a minute. A sidesplitter! (GP) "DIXIE GOLF TRAIL" (15 Min) SUN. 13 February

"2001: A SPACE ODYSSEY" (141 Min)

Keir Dullea, Garry Lockwood (Science-Adventure) So realistic you'll feel like YOU are with them exploring space, and approaching Jupiter for man's first visit Years ahead of its time, controversial and completely engrossing. DON'T MISS! (GP NO SHORT SUBJECTS 14 February

JUILLIARD STRING QUARTET Presented by the China Lake Civic Concern Association. TUES. & WED. 15-16 February

"A MAN CALLED SLEDGE" (92 Min) James Garner, Dennis Weaver (Western) 40 riders protected the miner's gold wagon on its two day trip to the assay office, but Sledge had a scheme, one so crazy that it just might work! Rip-snortin' action of the Old West (R)

the Old West. (R) "PINK SPHINX" (7 Min) "GET WET" (9 Min) THURS. & FRI. 17-18 Feburary

"THE BATTLE OF BRITAIN" (132 Min)

Michael Caine, Harry Andrews (Action-Adventure) Classic, star-studded WWII spectacle authentically traces the RAF's uphill battles against a superior Luft-wafte at the start of the war. The London Blitz, channel dogrights, etc. (G) NO SHORT SUBJECTS

Burroughs High Dramatists To Present 'Harvey'

"Harvey," the Pulitzer Prize-Burroughs High School Lecture winning comedy written by Mary Center. The show will repeat on Chase, will open tonight at 8:15 at the Burroughs High School Lecture China Lake PTA, co-sponsors of Troupe 1683 of the International the show, arrangements have been Thespian Society, sponsored and

> "This show is unique in that two completely different casts will perform the play twice, once each weekend," Kubik, the drama teacher at Burroughs High School, said

Heading up the cast tonight will be Wayne Becktel as Elwood P. riding is done. Dowd, the amiable tippler whose Sid Carpenter, Danny Carter, and Daytona Products. Becky Byrd and Janette Phillips. Saturday, Feb. 19.

Opening Saturday night, and again Friday, Feb. 18, will be George White, as Elwood, Mary Vernon-Cole as Veta, and Kathy Bryant as Mrytle Mae. Completing this cast will be Teresa Orr. Larry Carter, Mike Vernon-Cole, Mike Walker, Kathy Robertson, Ben Lee, Mike Dancy, Debbie Wood and Debbie Strayer.

Tickets are available from any cast member, or at the Lecture Center box office on the nights of performance.



Friday, February 11, 1972

HUSBAND AND WIFE TEAM-William and Annie Blanc look over the score of "Mame," the spring production of the Community Light Opera and Theater Association (CLOTA), to be directed by Blanc. Tryouts for this lively musical, based on Patrick Dennis' best-seller, "Auntie Mame," will be held on Feb. 22, 23 and 24 at 7:30 p.m. at the CLOTA hangar, located at the corner of Upjohn and South China Lake Blvd. in Ridgecrest. Director Blanc urges all potential actors and actresses, plus backstage personnel, to audition for the play. An early recruit, Mrs. Blanc will help with makeup for the show.

Motorcycle Riding Safety Course To Start Saturday

of two local motorcycle clubs (the encounter. Sandblasters and the Gypsy Wheels) will begin at 9 a.m. this next session of the motorcycle Saturday in the NWC Traffic safety class can be obtained by Safety Building, located at the calling Billie Hise, in the Safety corner of Nimitz Ave. and Hussey Department, at ext. 2037.

The course is being offered as a Museum Now community service for local residents who are either now riding Has Display Of or planning to ride motorcycles, and would like to know more about the machine and the skill needed for its safe operation. Up to 20 persons can be accommodated in each class.

Saturday's classroom session will be three hours in duration. It will be followed up on subsequent Saturdays by motorcycle riding skill tests that will be held in the Satellite (dry) Lake area of the Naval Weapons Center.

At the first class session on Saturday, release forms will be issued to all prospective students and must be signed by both parents of any minors enrolled in the course and by any adults in attendance before any motorcycle

Motorcycles for use by those constant companion is a 61/2 ft. tall attending the class will be provided white rabbit; Cathy Carter as by Ridgecrest Cycle, Inc., the B&B Elwood's frustrated sister Veta; Cycle Center and the Desert Sport and their art emphasizes geo-Angie Lindsey as Veta's daughter Cycle Shop. In addition, approved metric decoration. A mat, woven of Myrtle Mae, and Nancy Miller, helmets that must be worn by class raffia, immediately attracts the Steve Carter, Steve Vernon-Cole, members while riding 'cycles have viewer to the display window and Mike Walker, Kathy Robertson, been furnished by the Buco Corp. there is a strong geometric design

From PLACE STAMP HERE TO

A motorcycle safety class, Department point out, and training sponsored by the China Lake helps to eliminate many of the Community Council and members problems a new 'cyclist may

Additional information about

Art From Congo

A special exhibit of ethnic art of the Congo is on display at the Maturango Museum. The exhibit is part of the satellite museum program of the Museum of Cultural History at UCLA.

Some of the articles displayed are knives of wood, iron and zinc; masks used in secret initiation ceremonies; cosmetic boxes; wooden cups; and headrests which are used by the women to protect their hair-dos while sleeping.

These articles are used by the Kuba, a group numbering 75,000 who live in the central Congo region. Largely an agricultural people, they supplement their diet by hunting and fishing.

The Kuba are fine blacksmiths in tans and browns.

Inexperience on a motorcycle is Visitors may view this special This cast will perform again on the cause of many accidents, display at the Maturango Museum spokesmen for the NWC Safety on weekends between 2 and 5 p.m.,

District.



China Lake California



TOP OFFICIAL BRIEFED — The Honorable Robert A. Frosch (second from left), Assistant Secretary of the Navy (Research and Development) was welcomed by a group that included Rear Adm. W. J. Moran (in center), Naval Weapons Center Commander, and H. G. Wilson (right), NWC Technical Director, upon his arrival here shortly before noon Tuesday. Others on hand to witness the arrival of Dr. Frosch were Dr. W. B. LaBerge (at left), Deputy Technical Director, and Capt. C. "Tex" Birdwell (hidden at right), Commanding Officer of Air Test and Evaluation Squadron Five. The first stop for Dr. Frosch, who was here to familiarize himself with the many research and development programs that are under way at the Naval Weapons Center, was a display in Hangar 3 at the Naval Air Facility. Accompanied by Capt. Frank Grambelt, his executive assistant and Naval aide, and by Ernest J. Zellmer, Special Assistant to the Secretary of Navy, Dr. Frosch attended briefings and inspected numerous items of hardware until his departure for Los Angeles at 11 a.m. Wednesday. Other photo coverage of the visit by Dr. Frosch can be found on Page 4 in this issue of The ROCKETEER.

HEW Approves Construction Of Handicapped Children's School

approved the construction of what total square footage of 20,090.

Gerald Cherry, HEW's Chief of

Staff Offices Of Security Dept.

During the time that remodeling needs.

Housing Building (No. 35).

and 8401), the Classified Manage- handicapped youngsters. 8403)

same.

Welcome news that officials of School Assistance for Federally as an orthopedically handicapped

handicapped children has been month ago at a meeting of state, way. received by administrators of the county and local officials who are China Lake Elementary School involved in programs for handicapped children, and was Whereas the initial discussion on then confirmed in a report a possible school for exceptional submitted to HEW officials by

At the Jan. 11 meeting, arranged by the China Lake Elementary To Be Relocated of business, began the discussion with a summary of the problem by of business, began the discussion A temporary relocation of the noting that it had been a dream of Security Department's staff offices his for about five years to see will become effective next Friday, developed here a valleywide center Feb. 18, it was announced this for all handicapped children who week by Lt. Cmdr. R. M. St. require therapy and other special Germain, department head. services to meet their educational

work is under way at Building 879 What was asked for and has now (formerly the brig), staff offices of been approved by HEW officials in the Security Department will be Washington is a school for located on the second floor of the exceptional children that will include two classrooms for the deaf Situated there will be the offices and one classroom each for multiof the head and associate head of handicapped, trainable mentally the Security Department (Codes 84 retarded, aphasic, and visually-

ment Program Office (Code 8402), In addition, there is to be a and the Security Department's developmental center where administrative assistant (Code handicapped children can begin their training at an earlier age Present telephone extensions for than is the case with most other all four offices will remain the school children, and 10,000 sq. ft. of the new building will be designed

the U.S. Department of Health, Affected Areas, is a structure more area for use not only by crippled Education and Welfare have than three times that size having a children, but also by those who have a physical impairment on top may well turn out to be a mo- The need for the much larger of being deaf, mentally retarded or del educational facility for size building was discussed here a are handicapped in some other

Construction of the school for exceptional children, which is to be located on a portion of the **Richmond Elementary School** campus, will be moved up to tie in children had been in terms of a Beatrice Gore, a representative in with Phase II of a rehabilitation 6,000 sq. ft. building, what has now the special education field for the program currently under way been approved, according to California Department of Educa- within the China Lake Elementary School District, Assistant Superintendent Pinney said.

This will require a concentrated School District, Grant Pinney, effort on the part of the district assistant superintendent in charge architect to prepare and gain

ad on Page



MOON ROCKET PROPELLANT-Elmer Rhyn (left) and Ron Vetter look over a 3 in. extrusion press multipost die used to form propellant strands, which were in turn used in the small launchers placed on the moon. The long strands that are produced are eventually sliced into small pieces.

Feb. 11, 1972

INSIDE ...

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Lunar Seismic Grenade Launcher Uses NWC **Developed Propellant**

Approximately eight months from now, a lunar seismic grenade launcher, placed on the moon by the Astronauts of Apollo 14, will fire seismic grenades across the lunar surface to measure shock waves, which will in turn be transmitted back to earth by the Apollo Lunar Surface Experiments Package (ALSEP) radio-link communication system.

The propellant used to launch the grenades is PL 6670, developed by the Propulsion Development Department at the Naval Weapons Center.

According to Ron Vetter, of the Propellant Systems Division, PL 6670 has especially good thermal stability, and this was one of the main reasons for its selection by Space Ordnance Systems Inc. (SOS), El Segundo, Calif., developers of the grenade launcher. According to an article in the Jan. 1, 1968, issue of Aerospace Technology, the motor (of the launcher) required either a propellant with an extremely fast burning rate or one configured with a very thin web so it would burn in a very short period and still produce the required performance

"Since the only propellant that could meet the environment criteria did not have the required burning rate, SOS used one available in an extruded cylindrical shape about the size of a pencil and sliced it into wafers to produce a lot of propellant surface," the magazine article continued. This was the Naval Weapons Center's propellant PL

"The binder of our propellant is a fluorocarbon elastomer," explained Vetter. "This produces a propellant which is sufficiently stable to withstand the environment on the moon for an extended period. The moon's temperatures vary from -250 degrees F to +250 degrees F. The lack of an atmosphere on the moon also means that the grenade is

throughout its stay."

The Houston Manned Space Center facility of NASA invited the Center to participate in the ALSEP program in 1966. This participation by Vetter's group involved the recommendation of PL 6670 propellant, as well as a presentation of designs and results of a small project called "8 Ball." The latter was the name given to a rocket propelled shaped charge warhead that was launched using a bazookalike tube.

The 3-inch diameter spherical motor used small wafers of propellant with a "screen' retainer attached to the nozzle to achieve very short burn times with relatively high impulse. The SOS motor design incorporates some of these features. Space Ordnance Systems was supplied with PL 6670 propellant extruded as small strands on the Center's 1 in. and 3 in. presses, under the director of Elmer Rhyn.

When the motors are ignited on the lunar surface, they will propel the "grenade" up to a range of one mile. The explosion is transmitted through the ground, and then the equipment picks up the signal and by repeated signals (several grenades) at different locations. NASA can then validate calculations of the moon soil's seismic properties.

The grenade launcher assembly was set up in proper launch position by the Astronauts of Apollo 14. NASA explained that the delay in launching the grenade was necessary because several other experiments will be conducted in (Continued on Page 3)

New Wage Rates Set for Trades, Labor Employees

The Naval Weapons Center has received word from the Department of Defense Wage Fixing Authority reflecting iave Desert new wage rates for trades and labor employees at China Lake.

The wage increase will be 5-1/2 per cent for all wage employees. Typical step-rates are:

Non-Supervisory WG-10 Step \$5 per hour

Leader WL-10 Step 2 \$5.50 per

Supervisory WS-10 Step 3 \$6.50 per hour

Printing and Lithographic Non-Supervisory WP-8 Step 2 54.49 per hour

The shift differentials will be: 2nd shift, 18 cents per hour and 3rd shift, 37 cents per hour. The Schedule of Wages for Trades and Labor employees is currently being up-dated to reflect this change.

The new pay rates became effective on Feb. 6.

Page Two



CPO WIVES CLUB OFFICERS INSTALLED-Gladys Bauers, left, past president of the CPO Wives Club, presents the gavel to newly-elected president Jan Parker, following installation ceremonies held recently at the CPO Club. Others elected are, I-r: Lena Pulley, vice president; Bernice Hicks, secretary, and Carol Andrew, treasurer. The CPO Wives Club includes 20 members who have listed the support of an Indian child through the Crhristian Children's Fund, as their major project each year. Any wife of a Chief Petty Officer is eligible to join the local group.

Afro-American History Week To Be Observed Feb. 13-19

Week" in the Indian Wells Valley.

In conjunction with the weeklong celebration, IWV Chapter of the National Association for the Advancement of Colored People (NAACP) and the Human speakers from the NAACP will be Relations Committee of the China on call to speak at any of the local Lake Teachers Association, both schools chaired by Mrs. Bettye Rivera, a teacher at Vieweg School, have planned a number of special activities

including Burroughs High School,

The Rocketeer

Official Weekly Publication

Naval Weapons Center

China Lake, California

RAdm. W. J. Moran, USN

NWC Commande

H.G. Wilson

Technical Director

C. E. Van Hagan

On Feb. 1, Rear Adm. W. J. are making an effort towards minority groups, including Moran, NWC Commander, and participating in the week. By using Mexican, Indian, Chinese and Kenneth M. Smith, mayor of film strips, records, tapes from the others, for the students' enlight-Ridgecrest, signed a proclamation Learning Resource Center, and enment (see Feb. 4 issue of The other audio-visual equipment in KLOA, Ridgecrest's radio ROCKETEER) declaring Feb. 13 the classrooms, teachers and guest station, will play tapes of Afroto 19 as "Afro-American History speakers will point out the spirituals, recorded by Dillard contributions to society and the University, New Orleans, La., historical impact Afro-Americans during the week-long celebration. have had on the growth of The Naval Weapons Center America.

According to Mrs. Rivera.

A dance group, led by Joan Leipnik and Joanne Busch, will perform dances of definite Afro-American origin for school Most of the schools in the valley, children. In addition, the group also will present dances of other

Library will feature books, articles and magazines which draw

attention to Afro-American history throughout the world (see The ROCKETEER article on Page Two, Feb. 4 issue).

Course Slated In

Basic Seamanship

A course in basic seamanship will be taught in eight lessons, beginning on Tuesday, Feb. 22, at 7 p.m. at 355 McIntire St., China Lake.

Flotilla 76 of the U.S. Coast Guard is sponsoring the course, which will cover subjects such as safety equipment, trailer boating, aids to navigation, inboard and inboard-outboard motors, and rules of the road. Additional information can be obtained by calling 446-2128.



PROMOTIONAL **OPPORTUNITIES**

polications for positions listed in this lumn will be accepted from current NWC ployees and should be filed with th rsons named in the ad. All others desiring ployment with the Naval Weapons Center ay contact the Employment Division, Code 652, Extension 2069. Current application (SF-171) or Standard Form 172 should be mitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are dvertised in this column does not preclude the use of other means to fill these position Part of the ranking process of those rated a sically qualified will be a supervisory appraisal form that will be sent to th employees present and most recent previous pervisor. Selection shall be made without discrimination for any nonmerit reason.

Supply Clerk (Typing), GS-2005-5, PD No. 725015, Code 25712—Responsible for processing and completing document the acquisition and reservation of special material categories, high priority categories, and surplus material to meet planned requirer assigned to the Programs Section of the Customer Services Branch, Contro Division. Serves as a contact point for customers who have requested and bee granted special handling for their requirements. Minimum Qualification Requirements: One year of general experience in clerical or office work of any kind which has demonstrated the ability to perform satisfactorily at the grade level of the position. Two years of specialized experience in supply work or closely related activities which have (a) required the applicant to acquire and apply knowledge of the rules, regulations, procedures, and program equirements of one or more areas of a supply system; and (b) demonstrate he applicant's ability to perform at the level of the position to be filled. Jot Relevant Criteria: Familiar enough determine accuracy and completeness f information provided by custome Ability to type detailed descriptions of items quickly and accurately. Knowledge concerning various sources of supplies and the paperwork and approvals necessary to obtain these

Freight Rate Assistant, GS-2131-4 or Clerk (Typing), GS-301-3, Code 2598-Accomplishes government bills of lading and maintains files on same provides technical assistance and guidance in implementing regulations and procedures for proper documentation covering losses, damages or overages in shipments; performs some routine clerical work for the branch inimum Qualification Requirements: One year of general clerical or office work for the GS-3; one year of general plus one year in general traffic or transportation work which required application of practical knowledge in the use, operation, cost or regulation of transportation. Job Relevant Criteria: Experience demonstrating a knowledge of how to accomplish government bills of lading and the paper work procedures nvolved in properly documenting shipment losses, damages and overages in shipments and some familiarity with verifying freight rates charged by carriers. Advancement Potential: Promotional opportunity for Clerk (Typing), GS-3 to advance to Freight Rate Assistant, GS-4.

File applications for above with Claire Lewis, Bldg. 34, Room 204, Ext.

Motion Picture Clerk (Typing) GS-1001-3 or 4, PD No. 7175019, Code 7523-The duties of the incumbent are divided between Film Library assistant and clerical duties. The clerical duties

consist of typing scripts, film plans budgets, answering telephone, re-ceiving office visitors, and perform other clerical duties as necessary. The duties as Film Library as sistant include reviewing incoming footage, cataloging and filing stock footage, splicing film, operating projects. Minimum Qualification Requirements: Clerical experience as defined in CSC Handbook X-118. Job Relevant Criteria: Typing ability required. Persons with knowledge of film handling techniques will be given preference. Advancement Potential

Budget Analyst GS-560-5, 7, 9 or 11, PD No. 7017006, Code 173—The purpose of the position is to provide financial management services to two or more complex operating departments and to provide effective and supportive ser vices to higher graded division per sonnel in order to help them carry out their responsibilities. Minimum Qualification Requirements: Experience as defined in CSC Handbook X-118. File application for above with Mar

Morrison (Code 657), Bldg. 34, Rm. 210, Ph. 2032.

Electronics Engineer, General Engineer or Physicist, GS-12 or 13, PD No. 7240023, Code 40506—This position is located in the Night Observation Gunship Systems (NOGS) Program Office. As NOGS project engineer and principal assistant to the project manager, the incumbent will be responsible for the technical coordination of the NOGS Project team in the development of two Night Ob servation Gunship prototype systems. The incumbent will control subsystems interface compatibility, coordinate subsystem development, test, eval uation, and analyses, review technica data generated by the NWC project team, subsystem contractors, and participating Naval Activities, and maintain technical liaison with all cognizant military and contractor activities. Minimum Qualification Requirements: In accordance with CSC book X-118. Job Relevant Criteria A working knowledge of Infrared search sets and airborne fire control systems experience in working with contractor personnel, and willingness to accept frequent travel to contractor facilities and other military commands. A capability to express ideas both orally and in writing and some managerial experience is desirable.

Physicist, GS-1310-9-12 or Mathemat ician, GS-1510, 9-12, PD No. 7140024, Code 4071—This position is located in Branch A, Code 4071, Weapons Systems Analysis Division of the Weapons Development Department The incumbent will conduct research for performing analysis of proposed weapons systems. He is furnished derives formulas and equations to represent the parameters of the system and the various environmental factors as well as related physical phenomena The incumbent will conduct target analysis, vulnerability studies and because of the large number of possible combinations of experimental factors to be investigated, tabulate appropriate data in report format. Job Relevant Criteria: Should have a degree in ring, mathematics, or physics a broad knowledge of fundamenta physics and mathematics as applied to military operations and weapons systems analysis, and the capabilities to use electronic digital computing devices. Minimum Qualification Re quirements: Four years general experience and three years specialized in accordance with CSC Handbook X-

(Continued on Page 7)



Editor

Jack C. Lindsey Associate Editor

Jeanne Schreibe Editorial Assistan

PH1 D. C. Manderscheid PH3 Ronald G. Mills PHAN Daniel W. Yeatts As announced 9th through 12th grades Staff Photographers

DEADLINES: ... Tuesday, 4:30 p.m. **News Stories** Tuesday, 11:30 a.m. Photographs 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 P 35, revised July 1958. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Phones .



Friday 1st and 3rd ONLY Sabbath Services 2000 Sabbath School 1000 to 1200 Saturday UNITARIANS CHAPEL ANNEX 95 Services 1930



SECURITY DEPARTMENT AWARDS - Lt. Cmdr. R. M. St. Germain, left, head of the NWC Security Department, officiated at ceremonies held recently in the department office and attended by S. L. Kaupp, (right) chief of the China Lake Police Division. Department employees were honored for length of service and Combined Federal Campaign efforts. Those present for the photo were front row, left to right: Sherry A. Moore, who received a certificate of excellence for her work as a keyman of the CFC fund drive; Mary Waldron, 20 year Federal and NWC pins; Dennis F. Crager, 20 year Federal pin; C.A.L. Mitchell, assistant chief of police, 30 year Federal pin; Virginia Craig, CFC certificate, and Sgt. Sol Sherman, 20 year NWC pin. Award recipients in the back row, left to right, are N. Frances Smith, 20 year Federal and NWC pin; Arthur C. Lager, an assistant fire chief, 30 year Federal pin; and (in back, right) Capt. Ancel B. Adams, CFC certificate.

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Friday, February 11, 1972

Opportunities (Continued from page 2)

Clerk-Typist, GS-322-3, 4, PD No. 540120-1, Code 4013-Maintains files answers telephones, receives visitors, prepares time cards, and types stub requisitions, contract work assignments and orders, composer callouts for vugraphs and illustrations, memoranda. Minimum Qualification Requirements: One year experience for GS-3 and two years experience for GS-4 in accordance with CSC Handbook X-118. Job Relevant Criteria: Experience in editorial presentation field is desired and an interest in training opportunity as editorial clerk.

File applications for above with June Chipp, Bldg. 34, Rm. 206, Phone 2676. Supervisory Mathematician, GS-1520-13, Code 3554—This position is Head, Data Systems Branch, Countermea sures Division, Electronic Systems Department. The mission of the Data Systems Branch is to develop operate, and maintain the Electronic Warfare Complex (Echo Range) data recording, processing and reporting systems. The incumbent is responsible for planning, organizing and directing the efforts of the branch, which includes the supervision of 12 persons. He will assist the division head in project planning, test briefings, data analysis, test scheduling and range modif-ications. Minimum Qualification Requirements: As defined in X118, Job Relevant Critera: Experience i operation analysis techniques, digital and analog computer systems. Working knowledge of FORTRAN IV computer language. Must be able to work closely with and supervise others.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, Ext.

Electronics Engineer, GS-855-9, 11 or 12, Code 5011, or Physicist GS-1310-9, 11 or 12, Code 5011—This position is located in the Fuze Department, Advanced Systems Division, Systems Study Branch. Incumbent is responsible for the design and development of circuits. devices, and optical systems involving (1) the implementation of solid state active and passive electro-optical fuz systems, (2) the test and evaluation of new and existing optical source and detector components together with test circuitry, and (3) the design and im plementation of amplitude modulated and short pulse active optical ranging systems. Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Candidates for this position must have demonstrated ability to do electronics circuit analysis and-or design. Background or experience in electro-optics and application of laser technology is highly

desirable. Secretary (Typing) GS-318-5, PD No. 7150015, Code 505—This position is the division secretary of the Electromechanical Division, Fuze Department Duties and responsibilities include composing and reviewing correspondence, personal and telephone contacts, obtaining and presenting information. setting up and maintaining files. Qualified typist is required. Minimum Qualification Requirements: Three years of clerical experience of which six

months is secretarial work to a designated supervisor. Education may be substituted in accordance with CSC Standards X-118. This position is located at Salt Wells.

File above applications with Pat Gaunt, Bldg. 34, Room 202, Phone 2723. Electronics Engineer, GS-855-12, PD No. 7155009-1 Code 5533-Incumbent's general assignment is the design, development, testing, evaluation, documentation and monitoring or procurement of telemetry units for this Center. The spectrum of duties entailed by this assignment ranges from original design to production liaison with the manufacturer. Minimum Qualifications: 3 years of appropriate professional experience, 1 year of which is equivalent to the GS-11 level. Job Relevant Criteria: Broad background in electronic engineering discipl cluding solid-state electronics, and specifically in the airborne telemetry area. Comprehension of other fields such as chemistry, m eering, metallurgy and ther-modynamics. Experience in contract negotiation with administration,

analyzing and initiating proposals in preparation of cost estimates. File applications for above with Joan MacIntosh, Code 657, Ext. 2371.

Clerk-Typist, GS-322-04, PD No. 7130130, Code 3021-The incumbent types official letters of both tehnical and non-technical nature. She edits, types and distributes finished correspon and reports prepared by AGILE Program managers. She performs clerical duties such as receiving visitors, scheduling appointments arranging meetings, maintaining files, and typing travel orders, stub requisitions. Qualification Requirements: 1 year general and 1 specialized experience as outlined in X-

File applications for above with Dora Childers, Code 657, Room 212, Phone



RECEIVES LENGTH OF SERVICE AWARD-Policeman Floyd M.

Peters, right, an employee of the NWC Security Department, Police Division, was recently presented a 30-year Federal Service pin by S. L. Kaupp, Chief of Police. The presentation took place at an awards ceremony during which 5- and 10-year pins, driver safety awards. and letters of appreciation were awarded, Peters has been employed at China Lake since 1945.

son led the winners with 14 points. Jim DeMonge managed 12 for the losers

NAVY RELIEF SUPPORTED-A \$25 contribution for Navy Relief

was received recently by Mrs. Jean May (at right) from Mrs. Cathy

Sticht, president of Chi Alpha Chapter of Beta Sigma Phi. The

donation represented a portion of the proceeds from the sorority-

sponsored Holiday Splendor fashion show. Support for Navy Relief is

play as they ran away with a 17 ballers failed to get anyone in

one of this year's projects of Chi Alpha Chapter.

(Continued from Page 6)

their season records. The Odds and

Ends dumped VX-5, 56-35, as the

Vampires had a miserable night

from the floor. The O&E cagers

could do no wrong, however, as

nearly everything they threw

skyward came down through the

hoop. Nine players scored during

the game, led by Rudy Muro with

12 points. Matt Taylor and John

Hinton aided the Vampires' cause

The Continental Telephone ca-

gers had little trouble in defeating

the Dispensary team in B league

point victory, 59-42. Bill Patter- double figures.

with 9 points apiece.

Lions Stay Alive . . .

The NAF Hawks got back in the scoring saddle again as they racked up 96 points and completely overwhelmed the Bud Evre quintet, 96-32. The powerful Hawks put together a great team effort and were sparked by outstanding individual performances and fantastic shooting from Herman Bowman, Ron Black and Lee Bess. Bowman sank 25 points and was followed by Black with 23 and Bess with 21. The Bud Eyre round-

the Spotlight

Everett B. Hill is the epitome of the self-made man. "It took me seven years to get through high school," he jokes. But that wasn't due to lack of knowledge, or lack of ability. Everett comes from England, by way of Canada.

In England, a student is graduated from the U.S. equivalent of high school at age 15. Everett's family immigrated to Canada when he was 13 years of age. After spending a year in Thesselon, Ontario, the Hills came to Hobart. Ind., a suburb of Gary.

Following his graduation from high school in 1928, Everett began working in the steel mills at Gary. "I must have worked every mill in that place," he said. The Britisher had too much ambition to settle for being a mill hand, and turned an living at China Lake," he said. interest in electricity into a job in the mill's electric shop. He worked his way up until he was in charge of the electrical motor control section.

Along the way (1929) he became a U.S. citizen. "My father became a citizen then, and I was automatically made one through the deravitive citizenship program," he recalled.

He met his wife, Edith, through some friends in 1932 and the couple was married in 1934. Their first child, Elaine, was 8 years old and another daughter, Barbara, was 5 when Everett decided to take a job at China Lake.

"People seemed to go to work here under most unusual circumstances in the early days," Everett mused. "I had been working at Terminal Island and a friend of mine suggested we visit a mutual friend at China Lake," he continued. "Once here, my friend decided to apply for a job so I went to Personnel with him. They offered me a job, also, so I took it.' Hill laughed. "My wife was against the move, so I told her I'd only work here for six months.

That was 27 years ago." Hill began work in the Special Devices branch of the Explosives Department, installing test equipment in the CT-1 and CT-4. Since that time, Hill's advancement has been due to his own special kind of dedication.

In 1950 he designed a drum camera for recording test information at static firing. Prior to that he put his skills to work designing and testing an induction firing system and redesigned the Bourdon camera. In 1949 he modified and tested the firing system of the "Tiny Tim" rocket to minimize the failure rate and has been directly responsible for many other innovations and designs.

"For the past 15 years, my primary work has been on aircraft range instrumentation," Everett said. "I have designed and developed new equipment and installed it on ranges throughout the United States, Hawaii and England. It's been fun," he added.

It hasn't all been fun, but it has been satisfying. Everett was the project engineer on the AN-FAS 102A plotting system for training bomber pilots. The successful completion of work assignments such as this led to Hill being named branch head of Code 3532 prior to the reorganization, and he is now a consultant to the Special Projects Division, Code 35603.

"My family and I have enjoyed

AND ALL AND AND AND A THAT AND A THE COME IN A COMPANY OF A DAY

Page Seven

Everett B. Hill

"The girls grew up and married here.

Everett has six grandchildren and says his life now revolves around the role of grandpa, which he enjoys immensely. "I'm not a joiner," he stated, "but I do enjoy playing golf (he's a 20 handicapper), bowling, and badminton." Everett was the badminton champion in 1955 and again in1971.

He's a charter member of the Masonic Lodge and is also one of the originators and past president of the Cactus Squares, local square dance club.

Ex-China Lake Employee Dies In Auto Crash

Many friends and co-workers of Al Pezzuto, 51, formerly an assistant head of the Metric Photo Branch in the old NOTS Test Department's Instrument Operations Division, were saddened last week to learn about Pezzuto's death in an automobile accident. The fatal mishap is believed to have been due to a heart attack suffered by the accident victim. The smashup occurred on Sunday, Jan. 30, near the City of Camarillo when Pezzuto's car ran off a freeway grade and plunged 1,500 ft. down the side of Conejo Mt. Pezzuto, was employed as the

advanced product planning manager for Photo Sonics, Inc., a firm located in Burbank.

The accident victim's parents. Mr. and Mrs. Joseph Pezzuto, of Chicago Heights, Ill., were visiting at his home in Camarillo at the time of the fatal accident. Other survivors include his widow. Marguerite, and their three sons. Michele, Joseph and Peter.

2nd Attempt . . .

(Continued from Page 6)

turned out for what had previously been scheduled last Friday as a meeting to elect officers and make plans for the coming season, another try will be made next Wednesday.

Business on the agenda will include not only the election of new officers, but also a discussion on re-organization of the league, and the responsibilities of both officers and adult volunteers.

Anyone willing to help during the 1972 Pony-Colt League season, but unable to attend next Wednesday night's meeting, is asked to call Richard Drake at either 446-5762 or at NWC ext. 3407 or 3408.





ROCKETEER

Page Six

ROCKETEER

Friday, February 11, 1972

serve a constant

exhaust.

Two parachutes were used to slow down the 10-foot-long package. These are deployed by a HiShear design using the PL 6670 propellant. About 14 seconds after drop, the Viking motor system was spacecraft.

of applications."

100 knots.





Victory Keeps Lions Alive In Basketball Title Race

The Loewen's Lions stayed alive in the race for the title in China seriously threated by the Stars as Lake basketball action this week they burst into a 29-11 halftime lead by downing the VX-5 hoopsters, 59- and then continually widened their 42. The Lions are presently tied for margin after the halftime break. A first place with the Cerro Coso and strong 22-point fourth quarter gave Ace TV teams. Each squad has the losers a boost, but it was a case only one loss in league play.

The tall and talented Lions were raced on to a 15 point decision, 65momentarily surprised by the en- 50 ergetic defense play of the Vam- NWC's balanced offense and pires in the opening period, as strong bench proved to be more the VX-5 cagers owned a slim 8-7 than the Dispensary cagers could lead at the end of the first stanza. handle as NWC snared a 60-43 win However, hot-shooting Gary Ziel- Tuesday night. Four players hit gler came off the Lions' bench in double figures for NWC. Gary the second quarter and scored 14 Pottiger's 16 points led the pack quick points to help move his team and Phil Kinnamon netted 13, while into a 6 point half-time lead, 28-22. Tom Thompson and James Brown

After the intermission, the Vampires' shooting ability went down the drain and they tallied against a respectable 14 markers for the Lions.

high for the night, and he received substantial help from eight other Prepared For Lions who hit consistently from the field throughout the game.

Action in the B league was fast and furious this week as the Desert Campus Pioneers and NWC both picked up victories at the expense of the Valley Stars and the Dispensary, respectively.

League To Make **Second Attempt** At Organization

ficers and set up the organization tee and drive to No. 8 green; then necessary to operate the Indian Wells Valley Pony-Colt Baseball League during the 1972 season will be made at a meeting to be held next Wednesday, Feb. 16, starting at 7 p.m. at the Las Flores School

in Ridgecrest. Because only seven persons, counting four present officers, (Confinued on Page 7)

The campus cagers were never of too little, too late as the Pioneers

garnered 11 each.

In last week's play, the Odds and Ends, Continental Telephone and only 7 points in the third period NAF each added another victory to

(Continued on Page 7) Ziegler's 18 point outburst was Golf Course Is **Unusual Tourney**

Wanted-golfers, complete with hiking boots, backpack, canteen and sand wedge to compete in the annual cross-country tournament, sponsored by the China Lake Golf Club. The tournament will be held on Feb. 19.

Format for this unusual golfing event will be 12 holes, and golfers will play to two-thirds of their regular handicap. An example of the type of holes to be played is as A second attempt to elect of- follows: Golfers will tee off at No. 1 tee from No. 8 to No. 3.

The entry fee of \$3 per person will cover the cost of a crosscountry lunch consisting of beer, sandwiches, potato salad and other goodies. Prizes will be awarded on net scores only.

invited to participate.



AMPIRES DEFEAT BUD EYRE CAGERS-Dave Dembeck (taped wrists) shoots over the outstretched arms of Bud Eyre defender Ed Withington (31) in the VX-5 Vampires' first win of the season. The Vampires moved out of the cellar by downing the automotive cagers, 64-41. Vampire John Bateman (14) moves in for the rebound, while Bud Eyre players Rudy Moreno (30) and Mike Avers (15) look on. -Photo by Jack Learned

Antelope Valley Golfers Beat Locals in Match Play

locals 19-29 in SCGA play.

Antelope Valley put the wood to Last Sunday's match was played the China Lake golf team once at the China Lake course under A sign-up sheet is located in the again this past weekend as they sunny skies-much the opposite of clubhouse. All local hackers are shot near-perfect golf to club the the windy, chilly conditions that prevailed a week earlier when A.V. hosted the contest, winning it by a score of 16-32. But the weather didn't help the cause of the local duffers as they lost their second match of the season to the visitors from Lancaster.

the match out of reach.

Phil Sprankle and Bob Hooper both had poor luck as they led their respective opponents going into the final hole of play only to see their secretary Bill Tamaras left on leads fall by the wayside. Sprankkle's foe birdied the last hole and reported on the league's doings. picked up three team points for However, I understand that a A.V. and Hooper's opponent rivalry exists between RC Jones, chipped in a nine-iron shot for an Thad Brightwell and Ken Dalpiaz eagle and the match.

The high-handicappers came through for the China Lake team as Jim Runchey and Glen Shoblom both captured valuable team currently averaging 201 in the points.

to their opponents.

Many Antelope Valley players remarked about the great condi- I heard that Jeanne Crom, who tion of the China Lake course. Both must have been on an ecology kick, teams are hoping to set up a home- found out the other night that beer and-home return match in the near and cigarets don't mix. Wha' future.

nwc rocketeer SPORTS **Kegler's** Korner

By Jack Lindsey

Jim "Tiger" Peck snarled and roared his way through two beautiful games in the Midway League recently. Jim posted scores of 231 and 223. The 231 was exactly 100 pins higher than his third game and Jim's series total was only 585, but it was good enough to lead the league for the night.

Other good scores: Jan Gieger, 226: Dick Drake and Dan Seibel. 225, and Gene Boyts, 222. Where's the Scores?

The good scores in the Women's Wednesday Handicap have all but disappeared lately. Stella Stillwell led the entire league with a 504 scratch series and Mary Jane Clark had a 208 game. Arlene Harp showed up with a 201, but the real news comes from Cleo Church, who was eligible to vote for Woodrow Wilson. The tiny bowler racked up a triplicate 112 for a nice patch. Nice going, Cleo.

Sinners Bob Beyer rolled a 600 series and a 232 game to lead the male scoring, while Carol Hudson's 529 was the high mark for the women. Ann Brady had a 492 and Norma Diede tallied 495 for two other good scores. Carol also shot 202 for the high single effort. Last Week

Bob Beyer was the big gun, hitting totals of 205 and 558 to lead the male scoring, while his wife, Barbara, rolled 197 and 513 to lead the women.

Women's Tourney Dora's Girls, led by Dora Childers, took first place in the team event with a 2775 series. Dora also leads the all-events scratch with a 560 series. The Alley Oops Warren Stelzmiller, team capt- nabbed second place with a 2723 ain, cited the loss as "just one of total and third place went to the those days." He reported that team from Western Auto for its the local golfers played well, but 2716 total. Lois Smith garnered some fancy shooting by A.V. put high game honors with a 233, more than 100 pins over her average.

No News Is Good News No report from the Premier League again this week since travel and his replacement has not to see who can outdo the other each week. Last Monday RC won the pot by two pins over Thad. Both men were in the 640s. Brightwell is

league. As there was no report on the Max Smith and Al MacDonald, Friday Mixed Foursome, I feel usual stalwarts of the China Lake that mention should be made of team for the low handicappers, hit Brightwell's 705 series last Friday. the skids once again and both lost He missed a triplicate by one pin, shooting 234, 234, 235.

Ecology Memo

hoppen, Jeanne?





Friday, February 11, 1972

Propellant . . .

(Continued from Page 1) the same general vicinity of the moon. Since launching of the grenades conceivably could jeopardize these other experiments, the seismic experiment must wait until the others are completed.

Another of the launchers will be on-board Apollo 16, and will probably be activated within three months after the landing. This test will have 50 feet more of wire length to allow for greater separation from other experiments which will prevent possible sand and dust contamination by the

In addition to the uses by the Apollo program, HiShear Corporation, a sub-contractor under Goodyear Aerospace Corporation on the Viking Mars landing vehicle, for NASA, is putting the propellant into the parachute ejection mortar of the lander vehicle. In a recent test at Edwards Air Force Base, a two-ton package was dropped from a B57 jet bomber, operated by NASA's Flight Research Center from an altitude of 48,000 feet.

Vetter states he had a great deal of expert help on the project. Jud Eldridge, an engineering technician now retired, was deeply involved in the propellant's devel-

"The material is now qualified DEF Advisory Council To and being used by SOS (the firm which made the item used by Apollo) on the F-14A aircraft in the emergency escape system," Vetter said "The propellant's associated with the Desert Empire number of the membership cards stability in extreme environments makes it useful for a wide variety

Navy To Test 100 Knot Ships

The Navy will soon begin testing two ship prototypes that could lead to a "100-Knot" Navy.

Called surface effect ships, the turbojet powered vessels are designed to skim the water on a bubble of air at speeds in excess of ROCKETEER

POLICE AWARD PRESENTED-Officer AI Pena, left, of the NWC Police Division, on Monday presented Certificates of Appreciation from the National Police Officers Association of America to (left

to right) Rear Adm. W. J. Moran, NWC Commander, Capt. A. E. May, Deputy Commander, Lt. Cmdr. R. M. St. Germain, Head, Security Department, and S. L. Kaupp, chief of police. The four NWC officials were recognized by the National Police Association for their work in the reorganization and professionalization of the Center's Police Division. Pena is a past national vice president of the policeman's group. The awards were presented at the monthly meeting of department heads with the NWC Commander -Photo by PHAN D. W. Yeatts

School Planned for Handicapped . . .

this project.

Ridgecrest Blvd. in Ridgecrest.

Purpose of the meeting will be to

update information on each organ-

ization's official representative to

the Council of Clubs, and also to

learn which clubs will be operating

a booth or concession at the 1972

Scheduled for distribution at

Desert Empire Fair (Sept. 13-17).

schools, (with the exception of of Phase II of the China Lake facilities already exist), the

that is sold to a member of their

Annual memberships in the

Desert Empire Fair entitle the

holder to free admission to both the

In addition, members are

own organization.

the fair in September

The HEW-financed construction will cover site improvements and utility installations together with all necessary equipment including carpeting for the floors and air conditioning, Pinney said.

Completion of the school for exceptional children is expected in the fall of 1973, it was added.

A physician and full-time therapist will be provided by the Crippled Children's Department, and once a school district has the facilities being planned here for handicapped children, the State Department of Education will allocate an additional \$16,000 to wife, Marcia, completed the \$20,000 per year to help meet operating expenses.

Earlier this week, Assistant Superintendent Pinney left for Washington to initiate discussions relative to the amount of money Spring Festival (May 25-29) and to that will be needed for building and Felicia, 12, and Karen, 10. They equipping the school for exception- have resided at China Lake for 14 al children.

Enrollment In voting membership cards in the members for the Desert Empire Problem Solving **Class Now Open**

A course on problem solving and decision making, entitled MIT 5, for the one remaining Red Cross another in the series of Mangement senior lifesaving class that is to be Improvement Training courses taught locally before summer taught by Guthrie Associates, of begins. Tustin, Calif., will be held in the The course, which is to get under Training Center March 6 through 9, way on Feb. 26, will be taught at from 8 a.m. until 4 p.m. each day. the Naval Weapons Center

in the seminar are: decision five consecutive Saturdays. making and organization; motiv- Anyone who is a capable ation and decision making; the swimmer and is either 15 years of process of decision making; age or over, or who has completed analyzing decisions; potential the ninth grade, can register for difficulties of decision making; the senior lifesaving class by, and implementing decisions.

NWC employees who desire to or Jennie Levson, 446-5153. NWC Enrollment Form 12410-28 to lifesaving certificate is a pre-Code 654 via department channels requisite for taking a water safety limited to 20 participants.

itions.

Page Three

William Smith Earns Ph.D. At **Arizona State**

William H. Smith, a consultant to the Avionics Division, Weapons Development Department, Code 404, was recently awarded the Doctor of Philosophy degree in Systems Engineering from Arizona State University, Tempe, Ariz. Dr. Smith's dissertation was titled, "The Application of Modern Feedback Control Theory to Selected Socio-Economic Systems."

The NWC engineer received a BS in mechanical engineering from the University of Missouri, at Rolla, in 1958 and completed requirements for the Master's Degree in 1964 while attending the



Dr. W. H. Smith University of California at Los Angeles

He began work on his PhD under the NWC Fellowship program in 1968 at Arizona State University, and continued to study under the Fellowship program in 1969 and during the first six months of the 1970-71 academic year.

Dr. Smith is a member of Alpha Pi Mu, the national industrial engineering honor society, and was president of the Arizona State chapter during the spring semester of 1970.

While residing in Arizona, his requirements for an AA degree in secretarial sciences and is presently employed in the office of Dr. Walter B. LaBerge, NWC Deputy Technical Director. The couple have two daughters,

Lifesaving Class To Be Offered **By Red Cross**

Enrollment is now being taken

Seven major areas to be included swimming pool from 8 to 11 a.m. on

calling either Jackie Haff, 446-7121,

take the course are urged to submit Possession of a valid senior no later than Feb. 23. Enrollment is instructor-water safety aid class that is planned later this This course is designed for per- spring. WSI-WSA certificates are sonnel who currently occupy generally required of lifeguards managerial or supervisory pos- and camp counselors, local Red Cross officials point out.

SUCCESSFULLY COMPLETE CLASS—Five members of the Marine Corps League-sponsored Morse code class have successfully passed the telegraphy test portion of the novice class Amateur Radio license examination, following a 12 week course taught by the league. Jack Myers and Cass Roquemore, back row, standing, taught the class, and students (I-r) Dave Garretson, Carl Tyler, Joe Cloonan, Wayne Zellmer and Roy Miller, will now take a written examination covering the theory of amateur radio operation, devised by the Federal Communications Commission (FCC) prior to issuance of the license.

Desert Empire Fair. Local clubs Fair's board of directors.

(Continued from Page 1) which is a prelude to action on the at Murray School, and a classroom fired and successfully activated approval for plans for the new part of HEW turning over for educationally handicapped the decelerator system which will building in order that a contract for ownership of local schools to the children at Pierce School. be used to slow the descending its construction can be awarded by China Lake District, is the June 30, which is one of the construction of a library and stipulations of HEW's approval of activity building at each of the Also to be accomplished as a part Murray School where such

schools' rehabilitation program, construction of a musical facility

Meet Monday at KofC Hall

A meeting of all organizations and organizations which take a

Fair's Advisory Council of Clubs for sale on consignment will be

will be held at 8 p.m. Monday at the reimbursed at the rate of 25 cents

Knights of Columbus Hall, 400 W. for each \$1 annual membership

Monday night's meeting will be entitled to a vote at the time the

receipt books and wallet-sized 1972 annual election is held to choose

Page Four

Friday, February 11, 1972

Dr. Frosch Briefed on Programs at NWC PHOTOS BY BILL FETTKETHER

ROCKETEER



RETURNING VIA HELICOPTER following a tour of the Echo Range, the Honorable Robert A. Frosch (at left), Assistant Secretary of the Navy (Research and Development) is shown accompanied by Rear Adm. W. J. Moran, NWC Commander, and LeRoy Riggs, head of the Electronic Systems Department.



A DISPLAY OF hardware was set up in Hangar 3 at the Naval Air Facility for inspection by Dr. Frosch (second from left). Others in photo are Capt. R. S. Moore (at left), Technical Officer; Rear Adm. W. J. Moran, NWC Commander; Ernest J. Zellmer, Special Assistant to the Secretary of Navy and (at right) Capt. Frank Grambelt, executive assistant and Naval aide to Dr. Frosch.



DR. ROBERT A. FROSCH (facing camera) listens attentively to information being given by Rear Adm. W. J. Moran, NWC Commander (at right). Others shown in this Michelson Laboratory conference room photo are H. G. Wilson, NWC Technical Director; Dr. W. B. LaBerge, Deputy Technical Director, and (at right) Dr. Ivar Highberg, head of the Engineering Department.



LATEST INFORMATION pertaining to the Navy strike warfare systems development capability was given to Dr. Robert Frosch (at left) by Frank Kneymeyer (right) head of the Weapons Development Department. Others listening to Kneymeyer's report are Rear Adm. W. J. Moran, NWC Commander, and Capt. Robert Moore, Technical Officer.



SEATED AT THE flight simulator in the Analog Computer Facility, Dr. Robert Frosch had the opportunity to make a simulated A7E flight during his visit to the Naval Weapons Center. Looking on are (from left) Byron Allen, a mathematician programmer; Rear Adm. W. J. Moran, NWC Commander, and Capt. Frank Grambelt, executive assistant and Naval aide to Dr. Frosch.



AN UPDATE ON the AGILE program was given Dr. Robert Frosch by Dr. Frank Cartwright (at left), AGILE Development Division head, who is shown holding a helmet mounted sight. Others following the conversation are (from left) Capt. Robert Moore, Technical Officer; Ernest J. Zellmer, special assistant to the Secretary of Navy, and Capt. Frank Grambelt, executive assistant and Naval aide to Dr. Frosch.

SPECIAL AWARD PRESENTED-A silver pewter mug in recognition of his 1,000 hours of flight time in the A7 Corsair II aircraft was presented recently to Lt. Cmdr. B. E. Kunkel (at right) by M. E. Robinson, field technical representative for Ling Tempco Vought. Lt. Cmdr. Kunkel's first A7 flight took place on Aug. 9, 1967, while he was assigned to VA 174 at Cecil Field in Florida. He was later transferred to VA 37, also at Cecil Field, and left there on March 10, 1971, with orders to report to the Naval Air Facility at China Lake. Lt. Cmdr. Kunkel is presently assigned to the NAF Maintenance Department.

Construction of Fair Building Now Proceeding at Steady Rate

directors.

proceeding rapidly.

"Volunteers have dug the footings and foundations and installed rough plumbing and reinforcing steel," Mettenburg said. "The concrete slab will be poured soon and the station will be ready for operation well before the Spring Festival, May 25-29," Mettenburg added. The first aid station, which will

Center.

Door prizes will be awarded. **Celebrated Caller Here**

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Page Five



Construction of the new multi- the fairgrounds, is a 14 by 14 ft. purpose community building, to be located on the Desert Empire Fair grounds, is progressing at a steady rate, according to a recent report by C. E. "Zip" Mettenburg, president of the DEF board of

According to Mettenburg, construction work on the large building will continue as financial arrangements are accomplished. In addition, Mettenburg announced that work on a permanent first aid station, to be manned by members of the Ridgecrest Volunteer Fire Department, is

be manned by the Volunteer students will be chosen for the six Firemen during all large events on class meetings that will follow.

ROCKETEER

Celebrated Quartet To Perform

Works of Three **Famous Artists To Be Presented**

The fourth offering this season of the China Lake Civic Concert Association will be the Juilliard String Quartet, whose members will entertain concertgoers at the Naval Weapons Center Theater on Monday, Feb. 14, at 8 p.m.

Season tickets for admission to this concert, as well as for the final program of the season, "The Ford Comic Opera Theatre," are available priced at \$7, \$6 and \$5 (depending upon location of the seating), and along with single admission tickets (which go for \$5 each) will be sold at the theatre box office on the night of the concert.

Students and enlisted military men can obtain tickets at half the regular rate for the remaining two concert programs of the season, or \$1.50 each for single admission ducats.

The Juilliard String Quartet consists of four highly polished performers: Robert Mann and Earl Carlyss, who play the violin, Samuel Rhodes, viola, and Claus Adam, cello.

The group has scheduled three major works for presentation to parade coordinator and Bob local concert-goers. These are: the "Quartet in B Flat Major," Opus coordinator. Al Blakemore will 55, No. 13, by Haydn; "Quartet in A assist with planning for the 1972 Minor," Opus 122, by Khlau, and Desert Empire Rodeo, scheduled "Quartet in F Major," Opus 59, No. for either the first or second 1, by Beethoven.

> It is common knowledge that "the Juilliard String Quartet represents the very model of modern quartet playing at its best," as Harold Schonberg of The New York Times put it. "The Juilliard has long held the loftiest place among world quartets and when they played Beethoven it was a genuine meeting at the summit," according to the Pittsburgh Press.

An aura of glamor surrounds each of the Quartet's appearances. When the musicians celebrated their 20th anniversary in the spring of 1967, Newsweek tried to define the reason: "The extraordinary unity the Juilliard Quartet achieves is not the compromise of four musicians mixing a rich homogenized brew with every musical ingredient at hand; in-Center Federal Credit Union will Jim Kelley, 27th District officer, tensifying the tension between the be held on Thursday, March 2, at will conduct the seminar, which one and the many. The Juilliard's 7:30 p.m. at the Community will cover the topics of new and old uninhibited performances crackle with electricity as they gamble on a promised fusion that can be almost nuclear in its explosiveness."

In addition to their activities as quartet-in-residence of the Juilliard School of Music in New York. they have been quartet-inresidence at the Library of Congress in Washington since 1962. The latter makes the Juilliard

Telescopes will be set up at Sandquist Spa tonight at 8 o'clock Jay Harris, former national high for a "star party," planned by the power rifle champion, will speak to China Lake Astronomical Society. A free seminar for veterans, the group on "The Role of Marks- The event is open to the general widows and dependents of veterans manship in Game Conservation." public. A society spokesman

flash lights and binoculars.



THE JUILLIARD STRING QUARTET

Chamber Music in the United Tass News Agency following the States and also gives them the privilege of using the invaluable Stradivarius instruments willed to a standing ovation. the people of the United States by As for the reaction of their Mrs. Gertrude Clarke Whittall in

its activities in 1946, they have built up a repertoire of 135 works, ranging from the classics-Haydn, Mozart, Beethoven, Schubert-to the moderns-Bartok, Webern, Schoenberg, Ginastera. They are 1965. champions of American composers, playing works by Copland, Schuman, Sessions, Piston and Carter. It was the Juilliard Quartet that presented the world premieres 1967, they made their South of Elliott Carter's Quartet No. 2, American debut with three conthe Humphrey Searle Quartet.

Music circles abroad have ex- at the Teatro Colon. tended an ever increasing number of offers to the ensemble. In 1961, they were the first American string major music festival throughout quartet to visit the Soviet Union. "Magnificent harmony and purity of sound and deep penetration into ings have been released by

Quartet the official First Family of commented the music critic of the Quartet's first Moscow concert which ended with four encores and

Russian fellow musicians, in the words of Alexander Sveshnikov, Since the Juilliard Quartet began director of the Moscow Conservatory, "They played as if the instruments were parts of their bodies." The Quartet returned to the Soviet Union for another triumphant tour in May and June

> Later on, they performed in Australia and New Zealand, and, under the auspices of the State Department, in Japan. In May certs in Buenos Aires, two of them

> It goes without saying that they have also participated in every the world.

The Quartet's numerous recordthe conceptions of the composers," Columbia, Epic and RCA Victor.



80 YEARS YOUNG-Dr. Elmo Zumwalt, NWC Industrial Medical Officer, holds a "bikini-cake" baked for him by an "appreciative patient," in celebration of the medical man's 80th birthday this past Monday. The cake was presented to Dr. Zumwalt during a surprise birthday party, planned by the staff of the NWC Dispensary. Also attending were Capt. H. D. Parode, head of the Command Administration Department, and personnel of the Safety Department.

Happenings Around NWC The annual meeting of the American Legion hall, 641 stead, the players dynamically membership of the Naval Weapons Inyokern Rd., beginning at 3 p.m. assert their individuality, in-

for it.

reports on all 1971 activities, and listen to plans for 1972.

another "Sets In Order" magazine "Hall of Fame" caller when Frank Lane will visit the local area on Feb. 17. Lane will call for dances from 8 until 11 p.m. at the Community Center. The donation dancers are invited to attend.

Veterans' Seminar

Legion on Saturday, Feb. 19, at the Lake Isabella area.

benefits that are available. A All Credit Union members are question and answer period will urged to attend to see and hear the follow Kelley's presentation. **Gun Club Dinner**

square block building, to be located

In other DEF news, Mettenburg

announced that Gene Richardson

has been assigned the duties of

Waters will be the rodeo coor-

Persons interested in attending a

Red Cross mother and child care

class have until March 1 to register

Registration can be made by

calling either Mrs. George

Silberberg, phone 446-5007, or Mrs.

Ben Tozer, phone 446-7242. The

night during the week that is most

convenient for a majority of the

northwest of the stage area.

weekend in May.

Red Cross Class

In Prenatal Care

To Be Offered

The Sierra Desert Gun Club will hold its annual installation dinner at the Chief Petty Officer's Mess The Cactus Squares square Monday, with dinner scheduled for dance organization will present 7 o'clock, preceded by a social hour

Tickets, priced at \$4, are available from any club officer, or by calling Jack Prentice, 375-8810, 'Star Party' Slated Bob Gould, 375-9170, or Bernie Mathes, at 446-4487. Reservations At Sandquist Spa is \$3 per couple and all square must be made no later than 5 p.m. today.

will be sponsored by the American Harris is the DFG warden for the recommended that all guests bring