

Fund raiser for TV booster to be held at college Sat., Sun.

The "Great Desert Adventure" will get under way this weekend at Cerro Coso Community College to raise funds for the maintenance, operation and improvement of the local television and FM radio booster system.

Kicking off the festivities tomorrow will be the "Popcorn Theatre Marionette" show at 10 a. m. in the lecture hall. This world famous presentation for children of all ages features animals up to four feet tall. Tickets, priced at \$2 for adults, \$1 for students and 25 cents for grade school children, are on sale at the college business office, the Gift Mart in Ridgcrest and the Station Pharmacy at China Lake.

From 11 a.m. to 7 p.m. that day, art which has been donated to the auction benefiting the TV Booster Fund will be on display at the college's student center while the auction itself will be held from 2 to 5 p.m. Admission to the exhibit and auction will be \$1, with tickets available at the college public information office, the "Daily Independent" newspaper office in Ridgcrest and from all members of the TV Booster board of directors. They will also be on sale at the door.

Ecology Program Planned

An ecology program will be presented at the college on Saturday from 11 a.m. to 7 p.m. and on Sunday from noon until 4:30 p.m. under the sponsorship of the Maturango Museum. The program will include displays of desert plants, a talk on burros in Death Valley and film slide show scenes of the Desert Tortoise Preserve, wildflowers, and damage to the ecology caused by multiple uses of the desert. There is no admission charge to this program.

At 7:30 Saturday night, a recital by the music pupils of college instructor Winnie Nelson will be presented in the lecture hall.

On Sunday, the art exhibit will resume between the hours of noon and 5 p.m., and the final auction of the "Great Desert Adventure" will be conducted from 1 to 3 p.m. At 3 p.m., the popular annual youth concert of the Cerro Coso/Desert Community Orchestra will be presented in the lecture hall. Tickets for this "Concert for Youth" are priced at \$2 for adults and \$1 for students or enlisted military personnel.

Big weekend at CPO Club

The Hollywood Brass, a contemporary rock group from Hollywood, will perform at the Chief Petty Officers' Club tonight from 8 until 12.

Prime rib will be the evening's dinner special, served from 6 until 9 p.m.

The CPO Club will be the setting for the annual Military Ball on Saturday night. Tickets for this gala event must be purchased in advance at the CPO Club office. The price of \$25 per couple includes an open bar, prime rib dinner with wine, and dancing to the music of the 11th Naval District Combo.



TALENTED YOUNG PEOPLE — featured performers during the "Concert for Youth" that will be presented Sunday at 3 p.m. in the lecture hall at Cerro Coso Community College are (l.-r.) Lisa White, a vocalist, and pianists Eric Walters and Michele Ankeney.

'Concert for Youth' slated at college lecture hall this Sunday

A concert by and for youth has been prepared by the Cerro Coso/Desert Community Orchestra and will be presented at 3 p.m. Sunday in the Cerro Coso Community College lecture hall.

Michele Ankeney, Lisa White, and Eric Walters will be featured as youth soloists in this "Concert for Youth," which also will include numbers designed to show the audience the capabilities of the various instruments of the orchestra.

As piano soloists, Miss Ankeney and Walters will perform the Haydn "Piano Concerto in C" and the Kabalevsky "Third Piano Concerto," respectively. Miss White will sing "Voi che sapete" from Mozart's "Marriage of Figaro." In addition, the orchestra will play selections from Stravinsky's "Suite No. 2 for Small Orchestra" and Bizet's "Children's Games." During the "March" portion of the Stravinsky selection, conductor Lauren Green will explain the capabilities of the instruments and the roles they take in the orchestra.

Multi-Purpose Event

"This concert has been arranged to entertain and instruct young people in the audience, as well as to showcase the talented youth who were chosen as soloists," Green said. He suggested that season ticket holders arrive early, in order to be assured of seats for this popular annual concert.

All products of local musical instruction, this year's youth soloists were chosen by Green because of their outstanding musicianship. Miss Ankeney, an eighth grader at Murray Junior High School, has been playing the piano since she was in the third grade. Her teacher for the past two years has been Ellen Werback.

In addition to the piano, Miss Ankeney

plays both the cello and the trombone and she is a member of her school's orchestra and band. A further creative endeavor is ballet, which she takes from Bette Jacks.

Miss White's clear voice has been heard in a variety of community musical events. Singing "Summertime" in this year's Miss Ridgcrest/China Lake Pageant, she so impressed the judges with her looks and talent that she was named first runner-up. She earned raves from local theater-goers for her portrayal of Annie Oakley in "Annie, Get Your Gun," a production of the Burroughs Players.

Active in this high school drama group since she was a freshman, Miss White, now a senior, is currently rehearsing the role of Gladys in "The Pajama Game," which will be presented at the Burroughs Lecture Center on May 13, 20, 27, and 28. Also an accomplished pianist and a vocal student of Rosemary Matthews, Miss White plans to continue her studies at the University of California at Northridge, where she will major in vocal music.

Nine years of piano lessons have prepared Walters for his Kabalevsky solo in Sunday's concert. The Burroughs senior came here from Pomona four years ago and, since that time, has been taking piano from Ellen Werback.

He plans to continue his piano playing as a hobby and at present, is undecided about his career or college major. In the fall, he'll enter Cerro Coso Community College, where he plans to take a variety of courses to explore various career options.

A limited number of tickets for Sunday's concert will be available at the door on a first-come first-served basis. Prices are \$2 for adult admission and \$1 for students or military enlisted personnel.

Cerro Coso art gallery displaying 'Impressions '77'

"Impressions '77," a collection of art that represents trends, concepts and techniques used by today's printmakers, is now on display at the Cerro Coso Community College art gallery and will remain through April 29.

Seventeen prominent artists have contributed exhibits to this National Print Invitational traveling show.

Various processes such as silk screen, etching, lithography and relief are demonstrated, as well as some experimental techniques.

No admission is charged for this exhibit, which is open to the public Monday through Thursday from noon to 7 p.m. and Friday from noon to 3 p.m.

In addition, special viewing hours during the upcoming "Great Desert Adventure" benefit will be tonight from 8 to 10 o'clock, tomorrow from 11 a.m. to 7 p.m., and Sunday from noon to 5 p.m.

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian
CS - Cinemascope
STD - Standard Movie Screen
Regular starting time—7:30 p.m.
Program subject to change without notice — please check marquee.

FRI. 15 APRIL

"SURVIVE" (86 Min.)
Hugo Stiglitz, Norma Lazeno
(Adventure Drama) On Friday, Oct. 13, 1972, a college rugby team boards a plane at Montevideo. The non-stop flight takes 40 passengers and 5 crew members over the Andes. Because of a navigational error, the plane flies too low and crashes. Twenty-six people survive; the injured are given first aid and the dead are buried. Food soon runs out and the survivors must make a grave decision if they are to survive. (R)
SAT. 16 APRIL

"LEADBELLY" (126 Min.)
(Drama) This film is based on the true story of the life of the late black folk singer, Huddie Ledbetter. (PG)
SUN. 17 APRIL

"BITTERSWEET LOVE" (93 Min.)
Lana Turner, Robert Lansing
(Love Story) Two young lovers (Meredith Baxter and Scott Hyland) marry and almost live happily ever after—until they are told they have the same father (Robert Lansing). The couple and their parents each have a solution to the situation. Adding to the dilemma is Baxter's pregnancy. The young couple struggle to keep their love and marriage intact. Baxter's mother (Turner) pushes for abortion and separation, and Lansing is on the side of true love. (PG)
MON. 18 APRIL

IWV Concert Association presents
DANIEL POLLACK, PIANIST
7:30 p.m.

WED. 20 APRIL
"THE MAN WHO WOULD BE KING" (129 Min.)
Sean Connery, Michael Caine
(Adventure) This film is based on one of Rudyard Kipling's most enjoyable short stories, a boisterous tale of greed, comradeship and high adventure. Sean Connery and Michael Caine are a pair of larcenous British soldiers of fortune. They decide to alter a primitive kingdom by installing themselves as kings, plundering whatever treasures the land can offer so they can return to Britain as wealthy gentlemen. (PG)
FRI. 22 APRIL

"THE BAD NEWS BEARS" (102 Min.)
Walter Matthau, Tatum O'Neal
(Comedy) Ex-minor league baseball player Matthau is now a pool maintenance man. He is hired by a councilman to organize the Bears, a Little League team. Matthau takes one look at the inept team and goes back to drinking. But the team's ineptitude and Matthau's non-management result in grave losses; he sobers up and drafts star pitcher Tatum O'Neal and a star batter. Now, the Bears are in the running. (PG)
SAT. 23 APRIL

"THE BLACK BIRD" (98 Min.)
George Segal, Stephane Audran
(Comedy) Sam Spade is spoofed in this film, based on Humphrey Bogart's classic, "The Maltese Falcon." Sam Spade, Jr., (Segal) is a private eye like his father. He is forced to deal with a menagerie of oddball criminal-types who are after his father's black bird, the Maltese Falcon. (PG)

Dance slated at Shuttle

Axis, a rock group from Bakiersfield, will be playing at the Shuttle tonight from 9 until 2 a.m.

Dinner special for the evening will be peel and eat shrimp boiled in beer, served from 6 to 8:30.

Tuesday nights are Game Night at the Shuttle, and patrons have their choice between steak or an Oriental dinner.

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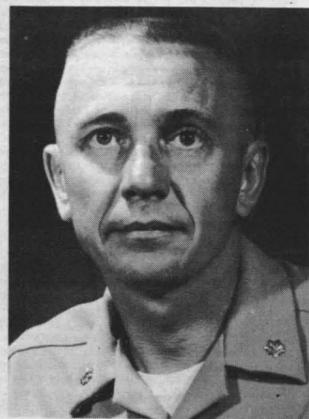
In Death Valley

Ten rescued from ledge by Navy helo crew

A superlative example of his skill as a helicopter pilot was turned in on Thursday of last week by LCDr. Michael A. Rij, assistant project officer in the Test and Evaluation Directorate's Projects Office, who, helped by two crew members of a UH1N Huey helicopter, succeeded in rescuing a group of 10 hikers who were stranded on a narrow ledge at the 2,500 ft. level of Tucki Mt. in Death Valley.

The Navy helicopter from China Lake left the air field here at 7:45 a.m. on April 7, after a call for assistance had been received from Death Valley National Monument rangers regarding the serious predicament facing an instructor and nine students from the University of California at Santa Cruz.

The group, led by Steve Spear, had started out the previous Monday on a four-



LCDr. Michael A. Rij

day hike across Death Valley. At the time of their rescue, with the aid of not only LCDr. Rij but also ADJAN Steve K. Lampkins, crew chief, and AMS2 Kelly M. Hayes, crew member of the helicopter, four of the hikers were in critical condition and the remaining

(Continued on Page 3)

Letter received from woman saved by helicopter crew

(Editor's note: The following letter expressing her heartfelt appreciation for the successful rescue mission flown by LCDr. Michael A. Rij and his helicopter crew members was received earlier this week from one of the ten hikers who was plucked off a ledge in Death Valley.)
Dear Friends,

I can call you no less than "Friends" after having been fortunate enough to have been rescued from a ledge in Mosaic Canyon, Death Valley, by the fantastic skill of your helicopter rescue crew.

I know that my husband and I and the rest of our group owe our lives to three men in a helicopter whose efficiency, knowledge and training made it possible for me to be on the valley floor hugging my son, Alex, and the others who knew we were still up in the canyon.

There is very little I can ever do to sufficiently express my gratitude to the helicopter crew. They are three men whom I shall remember and admire for the rest of my life — which I owe to them.

I'm sure there will be others in the future who will also be lucky enough to be alive due to your rescue crew; I'm so glad you exist and are as terrific as you are.

With gratitude and admiration,
Virginia K. Johnson
Los Gatos, Calif.



Naval Weapons Center
China Lake
California

April 15, 1977

Vol. XXXII, No. 15



STEPS TAKEN TO IMPROVE TRACKING SYSTEMS — The NWC air ranges require improved capability to gather precise data on the trajectory of aircraft and weapon systems. Among the changes that are aimed at achieving this goal have been the modification of surplus Nike-Hercules radar by replacing vacuum tubes with solid state electronics equipment and latest state-of-the-art design improvements. Shown above are two fixed

radar installations located on either side of the Tower 9 Radar Control Building with the new on-axis configuration Nike-Hercules radar (at left) and a solid state modified standard Nike-Hercules radar (at right). Ultimately this site will contain four solid state NH radars with dual on-axis capability covering four radar bands and interfacing with G-1 fire control and the new Range Control Center scheduled for completion in 1980.

Prototype on-axis radar-optics data system being developed to improve test capabilities

(Editor's note: This is Part II of a series devoted to range test and facility modernization, as outlined in the Project 21 planning document.)

One major problem which NWC faces is a steady deterioration of test capability and efficiency caused by rising maintenance costs and increased manpower requirements to support tests. This is particularly true for radar and optical tracking systems for the Naval Weapons Center due to the age of current equipment.

This problem is further compounded by the requirements to provide for more accurate measurements of parameters, faster data reduction, using less manpower and reducing costs per test.

It is recognized that during the period from Fiscal Year 1980 to 2000, weapons

systems will require more sophisticated support due to factors such as extended launch ranges, higher speeds and other improvements to performance parameters which will have to be evaluated.

An example of one step in the upgrading of facilities that is mandatory if the Naval Weapons Center is to continue to play a key role as an air and ground test center is work that has gone into the development of a prototype on-axis radar-optics data system.

Currently the radar systems operating at Baker, George and Charlie ranges at NWC are vintage World War II technology. However, the use of on-axis data systems will allow data gathering in "real time," plus the capability to reduce test costs and increase the technical capability of the ranges.

The on-axis data system utilizes a computer driven, modified Nike-Hercules target tracking radar (TTR), and a remote cine-sextant mount. The system uses star-field calibrations and prediction techniques in conjunction with a computer to correct, in real-time, system errors and accurately track range targets.

This objective is accomplished by (1) calibrating the mechanical and optical components of both the radar and the cine-sextant using the astronomical star fields, (2) providing a forward integration, real-time prediction, closed loop computer with a calibrated tracking radar to yield smooth and relatively accurate trajectory data, and (3) using the pointing errors of the remotely driven cine-sextant mount to qualitatively evaluate the radar tracking errors.

(Continued on Page 5)

Decision made to buy new translator for TV Channel 28

Directors of the Indian Wells Valley TV Booster, Inc., voted Tuesday night to authorize the expenditure of an estimated \$8,000 for the purchase of a new translator for Channel 28 (educational TV station).

So far, contributions to the annual membership drive that is being held to raise money needed for the maintenance, operation and improvement of the local television and FM radio booster system total approximately \$3,300 in cash and \$5,000 in pledges.

The pledges include \$4,000 from the Sierra Sands Unified School District, and \$1,000 from Cerro Coso Community College. The schools use the TV booster to tape television programs for educational use.

According to Mike Ripley, treasurer, several components are needed for the Channel 28 translator, and its expected to take a minimum of a month's time for their delivery, once the order has been placed, and a week or so after the equipment arrives to have it in working condition.

Directors of the IWV TV Booster, Inc. remind those who haven't yet done so that they can help support this communitywide fund-raising activity by sending donations of \$10 per household, or \$5 per individual, to P.O. Box 562, Ridgcrest. Such con-

(Continued on Page 3)



SPECIAL FEATURES OF ON-AXIS RADAR SYSTEM — At the north G-1 range tower 9 Nike-Hercules radar site can be seen a star calibration camera and 120-in. lens mounted on the on-axis configured radar. By the use of star-field calibrations and prediction techniques in conjunction with a computer, it is possible to correct (in-real-time) systems errors and accurately track range targets.



WELL-ORCHESTRATED CAMPAIGN — Betty Cook (at left), president of the Burroughs Band Boosters, presents a check in the amount of \$1,088 to Don Wilkinson, Burroughs band director, to help provide for the purchase of a grand piano for the school's lecture center. Looking on is Glenda Davis, student concert mistress. The check represented the profit from the recent concert here by the United States Navy Band, under the sponsorship of the Band Boosters.



READY ASSISTANCE PROVIDED — Enjoyable storytimes were held at the Center library last Tuesday and Thursday as part of the local observance of Week of the Young Child...

National Library Week to be observed April 17-23 at NWC

Poster displays and free bookmarks, plastic book carrying bags and book lists on minorities will highlight the Center Library's observance of National Library Week, April 17 to 23.

The Center Library, a branch of the Library Division of the Technical Information Department, is a facility of the U.S. Navy's general library system.

At the discretion of the Commander, the library also supports the needs of retired military personnel and the Center's civilian work force...

As stated in OPNAV INSTRUCTIONS the Center Library supports the U.S. Navy's historical tradition of providing uniformed personnel and their dependents access to a range of materials on current affairs, science and technology, history, sociology, literature, the arts, military arts and history, biography, and so on, unmatched by any other information/educational program.

The scope and depth of coverage supports every major Navy effort, whether it be improvement in race relations, drug addiction prevention, home and family life enhancement, international understanding, personal and professional growth and development, understanding and appreciation of the role of the naval services in peace and war, or, awareness and involvement in the vastly complicated, ever changing, kaleidoscopic American culture and society.

The library's inventory includes over 35,000 volumes. Within the inventory are special collections to support the Center's

Equal Employment and women's awareness programs. In addition, 630 record albums have recently been added to the collection. These range from recordings of classical and popular music, to children's stories and instruction in 17 languages.

The Center Library is open from 1 to 9 p.m. on Monday, Tuesday and Thursday; from 10 a.m. to 6 p.m. on Friday; and, from noon until 5 p.m. on Saturday and Sunday. It is closed on Wednesdays.

TID employee wins achievement award for writing skill

Elizabeth Babcock, a writer in the Technical Information Department's Special Writing Projects Branch, learned this week that her entry in the Society of Technical Communication's eighth International Publications Competition has earned her an Award of Achievement in the news article category.

Mrs. Babcock submitted for the judges' consideration a copy of a story (printed in the Dec. 5, 1975 issue of The ROCKETEER) about the Encounter Simulation Laboratory at the Corona Laboratory, which is used to provide inexpensive and accurate data on new fuze developments and terminal guidance studies.

Presentation of the STC awards will take place on the evening of May 12 during the 24th International Technical Communication Conference in Chicago, Ill.

Alberta Cox, head of the Project Publications Branch in TID, who is a national director of STC, is scheduled to attend the conference and will accept the award for Mrs. Babcock.

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2049.

Supervisory General Engineer, GS-801-13, PD No. 7761004, Code 6123 — Position is that of head, Instrumentation / Avionics Branch, Aircraft Support Division, Aircraft Department. Duties are to provide technical direction to branch personnel in the areas of design, development, fabrication, installation and operation of airborne equipment and systems for all types of aircraft.

Clerk-Typist, GS-322-3/4, or Employee Development Clerk, GS-203-4, PD No. 7445015, Code 094 — This position provides clerical support to an EDS in the Personnel and Organizational Development Division. A wide variety of duties includes typing correspondence and forms, answering questions in person or over the phone, filling, enrolling people in courses, assembling course material, etc.

File applications for the above with Carol Downard, Bldg. 34, Rm. 206, Ph. 2577.

Secretary (Stenography), GS-318-5, PD No. 7000003, Code 09 — This position is located in the office of the Commander, Naval Weapons Center. Incumbent relieves primary secretary to the Commander and performs such duties as maintaining all files; typing letters, memoranda, etc.; opening, screening and routing mail; handling and controlling classified material; screening publications for items of interest; answering and screening phone calls; greeting and assisting visitors; screening classified and unclassified messages; providing secretarial and clerical assistance to the Commander's aide; ordering and maintaining all office supplies and other duties as required by the office staff.

Supervisory Firefighter, GS-081-7, PD No. 7194015, Code 242 — This position is a captain in the Fire Division of the Safety and Security Department. Primary purpose of the position is to supervise crews assigned in the performance of tasks required in carrying out fire protection and fire prevention programs at this activity. The incumbent supervises crews, exercises administrative responsibility, conducts training, and maintains records and reports as required. Job Relevant Criteria: Thorough technical background and knowledge of all phases of firefighting involving weapons, aircraft, structures, flammable liquids and explosives; ability to communicate with others effectively both orally and in writing in working out solutions to problems or questions relating to the work; leadership ability; ability to motivate, train and work effectively with subordinates who have a variety of backgrounds and training; ability to plan initial attack and place firefighting equipment to facilitate rescue and best control / extinguish fires; experience supervising personnel or demonstrated supervisory potential. This announcement will be used to establish the promotion register for Firefighter GS-081-7 which will remain in effect until May 1978.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2723.

Supervisory Firefighter, GS-081-9, PD No. 7584008E, Code 2421 — This position is that of assistant fire chief in the Fire Division of the Safety and Security Department. The incumbent is responsible for the operations of the Fire Division after 4:30 p.m. each day and all day on weekends and holidays, in addition to other times when the fire chief and deputy chief are absent; responds to crash and structural alarms and commands both ground and rescue operations; supervises over 40 personnel located at three stations; performs administrative duties such as carrying out division policies and procedures, conducting inspections, managing personnel, training personnel and preparing and submitting various records and reports. Job Relevant Criteria: Experience directing structural and aircraft firefighting; knowledge of current firefighting principles and techniques, and of operation and maintenance of specialized firefighting systems; knowledge of fire station operations and procedures and of NWC and Navy literature regarding operations and functions of the Fire Division; experience in supervising personnel or demonstrated supervisory potential.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 206, Ph. 2676.

Clerk (Typing), GS-318-4/5, PD No. 7512013-1, Code 12 — incumbent is secretary for program director in the Weapons Planning Group. Major duties include receiving visitors, telephone calls and mail; typing official correspondence, travel orders, security clearances and itineraries; scheduling conferences and meetings; and maintaining supervisor's calendar and files. Job Relevant Criteria: Must be proficient typist, have thorough knowledge of Center clerical procedures, and be able to deal with a wide variety of clerical and administrative procedures. File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2022.

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

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File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2022.



HELPING HAND — Joanne Casmer, wife of LCDr. Stephen Casmer, the A-6 systems officer for Air Test and Evaluation Squadron Five, was the recent recipient of a pin denoting 2,500 hours of service as a Navy Relief Society volunteer. The presentation was made by Rear Admiral R. G. Freeman III, NWC Commander. A strong believer in the purpose of the Navy Relief Society, which is to provide help in time of need to active duty or retired Navy men and women, their dependents or survivors, Mrs. Casmer logged in her 2,500 hours of assistance during a period of six to seven years while her husband was assigned to duty at Pensacola, Fla., at the Naval Air Station Oceana, Va., and for the past year at the Naval Weapons Center.



PROTESTANT 1015 Sunday Worship Service 0900 Sunday School — All Ages 0900 Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the former Center Restaurant. Communion Service first Sunday of the Month. ECUMENICAL Wednesday Noon Bible Study 1130 Thursday Men's Prayer Breakfast 0630 ROMAN CATHOLIC MASS Saturday 1700 fulfills Sunday obligation Sunday 0700 0830 1130 Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135, Blessed Sacrament Chapel CONFESSIONS Daily 1115 to 1130 Saturday 1615 to 1645 Sunday 0800 to 0825 RELIGIOUS EDUCATION CLASSES Sunday Pre-school thru 6th grades 1015 Wednesday Kindergarten thru sixth 1530 Sunday Seventh & eighth (Junior High) 1900 Above classes are held in Chapel Annexes across from the former Center Restaurant. Sunday evening Ninth thru 12th grades As announced "In Home" Discussion Groups Youth Rallies Contact Chaplain's Office for specifics. JEWISH SERVICES EAST WING — ALL FAITH CHAPEL Sabbath Services every Friday 1930 UNITARIANS CHAPEL ANNEX 95 Sunday Services — (Sept.-May) 1930

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California

RAadm. Rowland G. Freeman III NWC Commander

Dr. G. L. Hollingsworth Technical Director

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DEADLINES New Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives Armed 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 NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Phones 3354, 3355, 2247



Doug's Corner...

(Continued from Page 6)

Softball Umpires

Persons interested in becoming softball umpires for the upcoming Intramural League season at China Lake should contact Lowell Radcliff by phoning 375-5198 or NWC ext. 2406.

Clinics and instruction will be provided to all applicants.

Figure Control

A five-week course in figure control will begin at the Center gymnasium on Monday, May 2.

The course, which will be taught by Terry Hartfield, will be conducted on Mondays from 6 until 7 p.m. at a cost of \$10 per pupil. Registrations are now being accepted at the gymnasium office.

Golf Tourney

Entries will be accepted until 7:45 a.m. Saturday for this year's Commander's Trophy Golf Tournament, which will be held at the China Lake course tomorrow and Sunday.

The tournament is open to all China Lake Golf Club members with Southern California Golf Association handicaps. Full April handicaps will be used in this 36-hole, individual medal play event.

Entry fee is \$6 per person, and signups can be made at the club house. Starting times and tees will be reversed on the second day of competition. Foursomes, which are optional, will start on both nines.

All-star softball...

(Continued from Page 6)

score and make it a tie ball game at 3-3.

The game was finally decided in favor of Graham Associates in the bottom of the seventh when Stoner, who played an outstanding game at second base for the locals, connected for a triple that drove in Riddle. The latter hit a single to get on base. Val Harper, the winning pitcher for Graham Associates, won all four tournament games in which he played.

Fighting to prevent being eliminated in the tourney's semi-final contest against the Bakersfield Aggies, the local team saved its best effort for the last half of the seventh inning by getting its only three hits in what was, until then, a scoreless deadlock. Stoner and Riddle both singled and Strickland, the pitcher, won his own ball game with a hit that drove in Stoner.

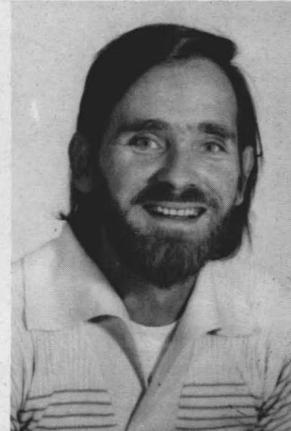
In the tourney championship tilt against the Bakersfield Aggies, the Graham Associates emerged the winner by a final score of 4-1. With Stoner and Radcliff both on base, a hit by Riddle drove in two runs in the third inning, and the locals scored one run each in the fifth and sixth — both times on hits by Mather that enabled John Martin to score. Strickland also was the winning pitcher in the tournament title clash.

Intramural Volleyball League standings

Intramural volleyball league standings as of April 12. For each game a team wins, a single point is added to its total for the season.

Table with columns: Team, Open League A Division, Total Points, B Division, Coed League A Division, B Division. Lists teams like Doggie Daddies, Snorts, Sailor, Turkey Farm, Slam Dinks, VX-5 Renegades, Sparkle Plenty, R.O.B. Bunch, Keller, Holmes, Desert Mix, Bumps and Bruises, Redmond, VX-5 Couples.

Employee in the spotlight



Rowland "Mac" McNeill

needs a feeling for physics, chemistry, electronics and engineering." He adds that his multi-discipline job has its share of art, too, "because it requires the ability to manipulate things in a creative way in order to set up each analysis."

Mac's father, Art McNeill (now retired), taught wood shop at Murray Jr. High School for 30 years, so it's no wonder the son considers himself a native of Ridgecrest. While a senior at Burroughs High School, Mac received some valuable training in China Lake's Work Experience Program as he participated, under the direction of Carroll Evans, in Operation Moonwatch, the satellite tracking network of the late 1950s.

After graduating in 1959, he went from calculating satellite orbits with a computer to reducing missile firing data as a math aid with a local contractor. Later, he joined the Air Force, working from 1961-62 as a clerk in an education office at Barksdale Air Force Base in Shreveport, La.

When Mac left the service he returned home and, for two years, worked at China Lake's Navy Exchange Store, the NEX gas station, the golf course, and for local contractors. While employed as a technical illustrator for Genge, Inc., he applied for and won a job as a firefighter at China Lake, and served for a year as a crash crew member at the former Naval Air Facility.

"There's almost no one of a technical background on-center that the instrument can't help," says Mac. "Each job demands a special approach, and because our clients come from a variety of fields, the operator

In 1964, Mac took advantage of an opportunity to work as a GS-3 physical sciences aid in the Semiconductor Branch of the Research Department. There he stayed until 1972, when he transferred to his present branch as a physical sciences technician.

Because he recognized a need for the service of a sophisticated SEM at the Naval Weapons Center, Mac studied the system at Edwards Air Force Base and the University of California at Santa Barbara during 1973-74. Until Code 361's instrument arrived here in January of last year, he worked with the less advanced SEM of the Research Department's Chemistry Division.

Education Continued

Mac's efforts to obtain the schooling he needed on the SEM illustrate his statement that "education is a continuing thing with me." He started taking college courses at night while in the service, and is still at it, at Cerro Coso, where he is now studying non-destructive testing. He credits his education, experience and outside reading with providing him the background he has needed to move up the career ladder at NWC.

Mac is the father of five children, evidently named after a penchant for the fourth letter of the alphabet: Dusty, 14, Donald, 13, Diana, 11, Dorothy, 10 and Damon, 8. Donald and Damon live with him, and father and sons enjoy taking trips into the desert for their mutual pursuits of rockhounding and wildflower photography.

Motorcycle safety class set Saturday

Another motorcycle safety class will be held on Saturday, starting at 8 a.m., at the Safety Building at the corner of Nimitz and Hussey Rds. on the Naval Weapons Center.

The course is a combination of films and lectures and actual riding experience for both on-road and off-road riders. A skill course featuring some of the problems of motorcycle riding is offered.

Each student must present a signed waiver before riding in the class. Adults may sign for themselves. Parents may sign for minors on the morning of the class or earlier. Waiver forms are available in the Safety Office.

Persons wishing to obtain information or enroll in this course are urged to call the Safety Office, NWC ext. 2367, or appear there at 8 a.m. tomorrow. This course is required for all persons operating off-road vehicles on the Naval Weapons Center.

Alcoholism to be topic at Brown Bag Seminar

Alcoholism and its effects on job performance will be the subject of the next Brown Bag Seminar to be held Wednesday, April 20, from 11:30 to 12:30 p.m. in the Panamint Rm. of the Community Center.

The seminar will feature a film entitled "Case 7201," which deals with a female alcoholic who, through the help of her supervisor and the Employee Assistance Program, is able to again become a productive member of the workforce.

Following the film, Gene Henderson, of the Desert Counseling Center, and Annalee LaRosa, of the NWC Alcoholism Program, will conduct a discussion about alcoholism — the nature of the disease and NWC's policy for dealing with it.

All interested persons are invited to attend.

Changes in CHAMPUS

Numerous changes have been made recently in the list of organizations that process claims for professional, institutional and dental care received in the United States by beneficiaries of the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS).

In California the contractor who is handling CHAMPUS matters, including dental claims, is Blue Shield of California, PO Box 85020, San Diego, Calif., 92138.



COMMUNITY SERVICE — Last Friday, during Easter vacation week, members of a Boy Scout Troop 35 patrol led by Glenn Kubin did their bit to help improve the appearance of the recycling center located just off S. Richmond Rd. at Santee St. As their "good deed" to the community, the Scouts continued the job they had started of weaving redwood slats into the chain link fence that encloses an aluminum can collection bin at the recycling center. Shown in close-up shot at left are young Kubin (standing) as he is being assisted by Dwight Stowell. Troop 35 is sponsored by Local 442 of the International Association of Machinists. The Scoutmaster is Cdr. Fred Spellman. All local area residents are encouraged to save empty aluminum beverage cans and deposit them in the recycling center bin. Money collected from the sale of the cans will be used for such community projects as support of the Indian Wells Valley TV and FM radio booster system.

Signups due next Friday for Dewing Spring Golf Classic

Prospective entrants in the annual Dewing Spring Golf Classic have from now through next Friday, April 22, to register for this event, which is open to all active duty and retired military personnel.

Dates for this year's tournament are April 28, 29 and 30, and the entry list is limited to a maximum of 144 golfers. The entry fee is \$5 per player, which also covers the cost of a buffet dinner that will be held at the conclusion of this event. For guests who accompany a golfer to the awards dinner, a charge of \$7.50 each has been set.

Based on scores recorded during the first two days of the tournament, 10 flights of golfers will be organized on the third and final day of this event. Golfers with comparable skill will be placed in the same flight to battle it out for the trophies and prizes that are to be awarded.

Military personnel interested in competing in the Dewing Golf Classic can make arrangements to do so by calling Ens. Paul Brown at NWC ext. 5594; AMH1 Danny Carlson at NWC ext. 5576, Lt. Nick Johnson, of VX-5, at NWC ext. 5214 or 5376.

Tournament planners report there is a need for golf clubs to be used during the Dewing Spring Classic. Anyone who has clubs he or she would be willing to loan for this event is asked to contact Ens. Brown at NWC ext. 5594 or, after working hours, at 446-5209.

Hideaway keglers increase lead in Premier League

The Hideaway squad increased its lead to two games over the second place Saddleback Sales keglers in Monday night's Premier League action at Hall Memorial Lanes.

The current league leaders recorded a 3-game sweep over the Hi-Desert team, while Saddleback Sales won two and lost one to the NAF Hawks. High team game (993) and high team series (2,865) were posted by Saddleback Sales.

In what turned out to be an off night for the Premier League bowlers, Jim Wright's 626 was the evening's high individual series. Others over the 600 mark for three games were: Warren Turnbaugh (614), Cal Wasson (605), and Dave Vander Houwen and Dick Furstenberg (602).

Those with single game scores of 220 or higher were Turnbaugh (232), By Nelson and Ken Dalpiaz (227), Wright (227 and 223), Wasson (225), Glen Collins (223) and Ray Freascher (220).

OTHTC 10-mile running, jogging event set May 1

The Over-the Hill Track Club will stage its third annual 10-mile event for joggers and runners on Sunday morning, May 1, starting at the intersection of Highway 395 with South China Lake Blvd.

The course will follow along the old Inyokern Road to Inyokern Park, with three water-stops on the way. Signups will be held at 8 a.m., and joggers may start at 8:30. Runners will begin at 9 o'clock.

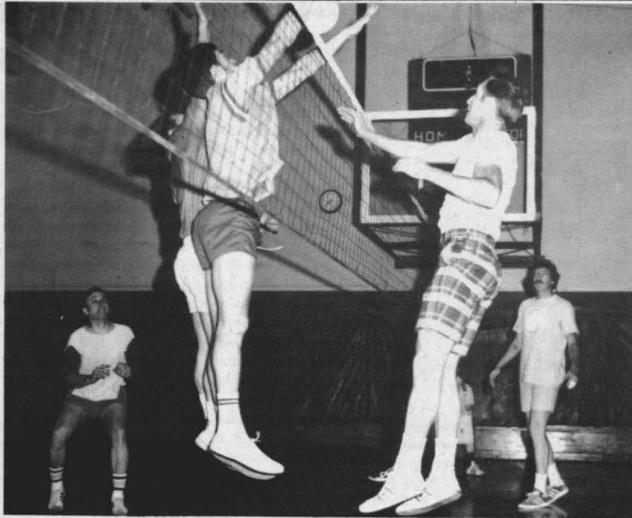
Green t-shirts will be awarded to all finishers. Further information may be obtained by phoning Gerald Ansell at 446-6405.

Final Minor Farm Div. tryouts slated Saturday

The final tryout for youngsters interested in playing in the Minor and Farm Divisions of the China Lake Little League this season will be held tomorrow at diamond No. 4 (across the street from the Credit Union Building) between 9 a.m. and noon.

All boys and girls born between Aug. 1, 1964, and July 31, 1969, are invited to participate. New players must sign up and present proof of birthdate at the tryout.

Any youngsters who wish to play in the Minor and Farm Divisions but cannot attend this final session should contact Bob Smith by calling 446-5476.



UP AND OVER — John Burmeister (in checked shorts) of the Sparkle Plenty team has just spiked the ball over the net against (l.-r.) John Leslie, Craig Hiller and Denny Raitz of the volleyballers representing Air Test and Evaluation Squadron Five during an Intramural League contest at the Center gymnasium on April 7. Pictured at far right is Rick Purcell of Sparkle Plenty, which dropped this match, 2 games to 1, to VX-5. —Photo by Ron Allen

Graham Associates open league play tomorrow in Bakersfield

The Graham Associates, all-star softball team which represents Indian Wells Valley in the Northern California Congress Softball League, will open league play tomorrow and Sunday in Bakersfield in games against the Bakersfield Aggies and the Hub Furniture team.

The local team, which is an outgrowth of the China Lake Intramural Softball League, warmed up for the start of Northern California Congress softball competition by winning the Orange County Tournament played at Fountain Valley last Friday, Saturday and Sunday.

After losing their first game at Fountain Valley to Louie's of Sylmar by a score of 6-0, the Graham Associates nine bounced back in this double-elimination event to win eight games in a row and the tourney title.

Leading Hitter

Led at the plate by Lamour Riddle, manager of Graham Associates, who garnered the tournament's outstanding hitter's trophy for his 11 hits in 23 times at bat; and by Dave Strickland, who was singled out as the most valuable pitcher in the tourney as the result of winning four games and losing just 1, the local all-star team defeated the Bakersfield Misfits 13-0, Vista 3-0, Wilmington 4-2, Orange County Cobras 3-2 (in 13 innings), Orange County Bengals 5-1, Louie's (in a re-match) 4-3, and the Bakersfield Aggies by scores of 1-0 and 4-1.

Burroughs varsity nine to clash with Falcons today

The second half of the Golden League varsity baseball season will get under way this afternoon at 3:30 when the Burroughs High team will travel to Palmdale to take on the Falcons — a team they nipped 3-2 in the season opener.

This past Tuesday, the Burros improved upon their league record (which now stands at four wins and two losses) at the expense of the Quartz Hill Rebels, who they defeated 4-2.

Brian Carle, winning pitcher for BHS, struck out seven batters in the 7-inning contest, and had to face only three batters each in the second, fourth and fifth innings, when the Rebel batters were retired in order.

In the Quartz Hill game, the BHS nine, coached by Ed Schwartz, got things rolling in the first inning on a bunt single by John Cruz, who scored following a 3-base blow by Ernie Bell. An error in handling the throw from the outfield then enabled Bell to score.

The Rebels picked up a single run when, with two men on base as the result of a single and a walk, the runners advanced to

second and third on a pass ball and Greg Jenkins tallied from third on a wild pitch.

In the bottom of the third, the Quartz Hill team scored two more times to move ahead 3-2. Britt Banks drew a walk, stole second base, and tallied on a 3-base hit by Jenkins. The latter then scored when a play was made at first base to pick off Larry Gorrindo, who had drawn a walk.

Except for a single run in the last half of the seventh, that was all the scoring punch the Rebels could muster, while the Burros tallied three runs in the fourth inning and scored four more times to put the game on ice in the seventh.

In the fourth frame, Bud Harbin, outfielder for Burroughs, was safe on an error and the locals loaded the bases on walks issued to Casey Cornelius and Jeff Haun. A wild pitch enabled Harbin to score from third base and Cornelius and Haun advanced to second and third.

Another walk, this time to Randy Radcliff again loaded the bases and Carle was walked, forcing in Cornelius with run No. 2 of the inning. Moments later, Cruz was safe



Doug's Corner

2 soccer games to be played Sat. at Davidove Field

Davidove Field will be the scene of two soccer games which are to be played here tomorrow.

Kicking things off at 9 a.m. will be a match between two teams in the under-10 division of the Youth Center Spring Soccer League, while the under 14-year-old youngsters will tangle at 10.

On April 23, players for the China Lake Soccer Club are slated to meet their powerhouse rivals from George Air Force Base. The latter team drubbed the locals by a score of 10-5 a few weeks ago in Victorville, but the upper desert clubs have a history of performing much better on their home fields.

Admiral's Cup Tennis

Admiral's Cup competition in tennis will be held week-after-next at the China Lake courts.

On April 25, VX-5 will meet the netters from NWC South, while the NWC North and South teams will clash on the 26th and NWC North and VX-5 on the 27th.

Players interested in competing should contact the appropriate person: NWC South, Lt. Phill Fossum, NWC ext. 2903; NWC North, ABH2 Rick Jones, NWC ext. 5267; and VX-5, Lt. Bud Denton, NWC ext. 5545.

Fast Pitch Deadline

Managers of organized fast pitch teams which have not yet been signed up at the Center gymnasium need to complete this registration absolutely no later than next Wednesday.

A total of six fast pitch teams have already signed up to play in the 1977 Intramural Softball League season. Playing dates for all divisions will be announced later.

Swim Pool Hours

Because of an Indian Wells Valley swim meet to be held at the Center gymnasium's indoor pool tomorrow, the pool will not open until 2:30 p.m.

These hours will be in effect for Saturday only.

In addition, the pool will be closed this coming Monday, Tuesday and Wednesday in order to allow some necessary repairs to

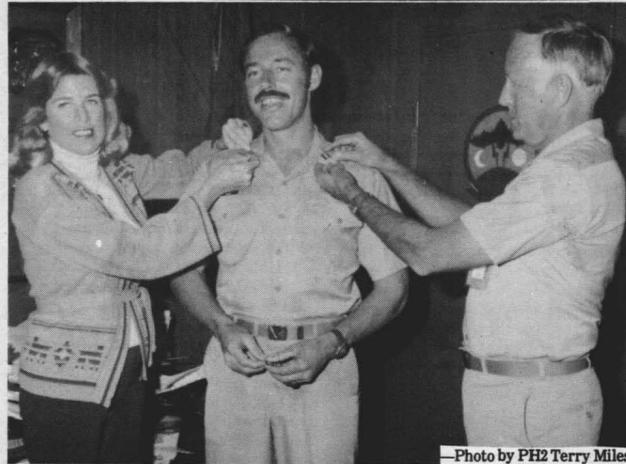
(Continued on Page 7)

on a fielder's choice play and Haun scampered home from third base with another run that boosted the locals' lead to 5-3.

After 2½ scoreless innings of play, the Burros came to bat in the seventh and the Rebels were once again in trouble as the result of walks issued to Victor Wiggins and Ernie Bell and a single by Harbin that filled the bases. Cornelius picked up two RBIs on a single that drove in Wiggins and Bell, and Bob Peter hit safely enabling Harbin to score. With three runs already in, Radcliff got another hit that drove in Frank Mayer, who had replaced Cornelius as the base runner for Burroughs.

In their final turn at bat, the Rebels cashed in on a single, a ground rule double that advanced the runner to third base, and a sacrifice fly to tally one more run in their 9-4 loss to Burroughs.

During the Easter tournament at Wasco, the Burros won four out of five games to finish in a 3-way tie for the tourney title with Wasco and Foothill High of Bakersfield.



HAPPY OCCASION — Lt. Dan Franken (center), who handles the duties of the line division and human relations officers at Air Test and Evaluation Squadron Five, was promoted to his present rank in a recent ceremony at which his skipper, Capt. R. N. Livingston, and wife, Donna, officiated. Prior to arriving at China Lake last November, Lt. Franken was with Attack Squadron 34 aboard the USS John F. Kennedy, stationed out of Oceana, Va. The 12-year Navy veteran is a native of Sioux City, Iowa, and a 1972 graduate of the University of Colorado at Boulder. The Frankens live in Navy housing with their children, Phillip, 3, and Johanna, 3 mos. —Photo by PH2 Terry Miles

10 rescued from ledge in Death Valley...

(Continued from Page 1)

six were in fair condition as a result of having run out of water at around mid-day on Wednesday.

Those who were rescued — five men and five women — ranged from 20 to 50 years of age and were part of a 13-member hiking expedition. During the night of Wednesday, April 6, they were attempting to follow a trail down Tucki Mt. in the Mosaic Canyon area south of Stovepipe Wells. Three of the hikers, who were in the lead some distance ahead of the others, managed to stay on the trail and get to the bottom of the canyon. However, in the darkness, their associates lost the path and ended up stranded on a narrow ledge.

When their hiking companions failed to show up to join them, the hikers who had made it to the bottom of the canyon sought help from National Park Service rangers, who organized a ground search team to look for the others.

While the rangers made it to the base of the ledge on which the hikers were stranded, they couldn't reach them and the hikers themselves were unable to climb back up the way they had descended, or lower themselves from the ledge.

Realizing this, the rangers sent word that a helicopter would be needed to expedite the rescue effort in view of the condition of the hikers, and LCdr. Rij was assigned the rescue mission along with ADJAN Lampkins and AMS2 Hayes.

Because of the terrain, there was no

Withholding of state income taxes from military set July 1

Withholding of state income taxes from military paychecks will begin July 1 for states that have requested it and have made the necessary legal arrangements. The new withholding program was approved by Congress last year.

State withholding taxes will be deducted automatically from the paychecks of military personnel who are residents of states qualifying for the withholding program.

California is one of 34 states and the District of Columbia that, so far, have requested that state income taxes be withheld from military pay. The others are:

Alabama, Arizona, Arkansas, Colorado, Delaware, Georgia, Hawaii, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Virginia and Wisconsin.

AMH2 Denis Lambrecht honored as Sailor of Month by VX-5

Aviation Structural Mechanic (Hydraulics) Second Class Denis J. Lambrecht, a native of Quakertown, Pa., has been named Air Test and Evaluation Squadron Five's Sailor of the Month for March.

For the past month, AMH2 Lambrecht has been a trouble shooter in the Squadron's Line Division, where he makes final checks on the aircraft before they are launched and works out minor discrepancies which the plane captains find. For the previous 11 months, he worked in the Airframes Shop, performing structural and hydraulics maintenance on aircraft.

"I like my job very much," says the 24-year-old sailor, "because it gives me the chance to work outside, and keeps me

high school and working for awhile as an apprentice custom cabinet maker and as a sod farmer in his hometown. He chose the Navy "because of the good opportunities for travel, the general experience I knew I'd get, and also for the G.I. Bill benefits."

After attending boot camp at Great Lakes, Mich., and "A" School in Memphis, Tenn., he was sent to Fighter Squadron 213 at Miramar Naval Air Station for his first duty assignment. He eventually made two Western Pacific cruises and an Indian Ocean cruise aboard the USS Kitty Hawk and one NATO cruise on the USS America before coming to China Lake a year ago for his second duty assignment.

AMH2 Lambrecht, who is single and lives in the BEQ, enjoys nature photography and backpacking in the surrounding mountains. Since arriving at China Lake, moreover, "I've made a personal commitment to Jesus Christ, and this has been the turning point of my life."

AMH2 Lambrecht's selection as Sailor of the Month has earned him a 72-hour liberty pass, one duty-free month, a parking spot near the hangar, a squadron plaque, and a letter of commendation.

TV/FM booster...

(Continued from Page 1)

tributions are tax deductible and checks should be made payable to "TV Booster."

Overall goal of the campaign is \$26,000, and it is hoped that public support of this weekend's "Great Desert Adventure" at Cerro Coso Community College will give a shot in the arm to the fund raising effort.

Full details about this event, which features an auction of art work that has been donated for this program, ecology displays, film slide shows and a lecture on the controversial subject of burros, can be found elsewhere in this issue of THE ROCKETEER.

Depending upon the amount of money that is collected as the TV/FM radio booster system membership drive continues, \$5,000 is earmarked to cover the system's annual maintenance costs; another \$8,000 is needed to provide a Channel 28 signal from B Mt. (instead of Laurel Mt. as at present) in order to serve local residents who, because of their location, cannot pick up the present Channel 28 signal; and an additional \$8,000 is being sought to enable the purchase of a spare translator that could be put into operation immediately in the event of a major failure of one or another of the translators currently in use.

VX-5's Sailor of the Month enlisted in the service in February 1971, after finishing



AMH2 Denis Lambrecht

constantly moving rather than sitting around. And another thing — the people I work with are just great."

According to Capt. R. N. Livingston, Commanding Officer of VX-5, AMH2 Lambrecht's "performance as the Line Division airframes trouble shooter directly contributed to the successful completion of 200 sorties during the month of March," and his "skill, personal initiative and resourcefulness significantly enhanced aircraft availability."

In addition, continued Capt. Livingston, AMH2 Lambrecht's "extra effort and willingness to devote extra hours to accomplishing the job at hand are most noteworthy," and he has "directed the efforts of (his) men in an exemplary manner, placing emphasis on quality maintenance, timeliness and safety."

Office of Finance and Management) as a management analyst, but was then reassigned to the Personnel Department and had remained with this department ever since.

His progress in the career field that he had chosen resumed with his work in what was then Code 65 as a personnel management specialist, and, during the next 2½ years, the calibre of his performance on the job earned him promotions from GS-9 to GS-12. In January 1969, D'Anza

shifted gears and entered the employee/management field. His next step up the promotion ladder occurred the following November when he became a supervisory personnel management specialist (GS-13) and head of the Personnel Service Division.

Subsequently, in March 1970, he became a supervisory labor relations specialist and head of the Employee Management Relations Division and, 3½ years later, became assistant head of the Personnel Department. He was serving in that position at the time of his death, after being promoted to GS-14 in June 1974.

D'Anza, who was recognized throughout the Department of the Navy as an expert in the field of labor relations, is a former Navy staff member of the West Coast Labor Negotiations Seminar, and also was a member of the Naval Weapons Center's management team involved in the Indian Wells Valley Metal Trades Council contract negotiations in July 1974.

Off the job, D'Anza enjoyed playing golf and tennis, and was an avid collector and player of recorded music.

Among his survivors are his mother, Marjorie Cox of Reno, Nev.; two children who reside at China Lake, a daughter, Lori, who is 10 years old, and a son, David, who is 5; a sister, Nancy Nott of Sacramento, and his grandmother, Mrs. Ida D'Anza of Melrose Park, Ill.



Daniel P. D'Anza

Pianist Daniel Pollack to play for Concert Ass'n final '76-77 program

Internationally renowned pianist Daniel Pollack will perform at the Center theater Monday, beginning at 7:30 p.m. This is the sixth and final program of the Indian Wells Valley Concert Association's 1976-77 season.

Pollack has been proclaimed by "Time" magazine as "one of the most gifted talents around, with a definite flair for the romantic composers." His program for the upcoming concert will include Schumann's "Carnival," as well as works by Chopin, Liszt and Bach.

A native of Los Angeles, Pollack was a child prodigy at the age of four. At seven he performed Chopin's Piano Concerto No. 1, and when he was 9 years old he made his New York debut. Critics described him as "obviously born to the keyboard."

After receiving his bachelor's and master's degrees in music from the Juilliard School of Music, he first won international recognition as a prize winner at the Tchaikovsky International Piano Competition in Moscow. Other honors and awards include the Chopin Prize, first prize at the International Recording Festival Competition, the Concert Artist's Guild Award, a Martha Baird Rockefeller Fund for Music Award, and a Fulbright Grant for study at the Akademie fur Music in Vienna.

This gifted musician has performed in

Piano workshop to be presented Tues. by Daniel Pollack

A piano workshop will be presented by concert pianist Daniel Pollack at 10:30 a.m. Tuesday at the Cerro Coso Community College lecture hall.

This event, which is offered in conjunction with the preceding night's Indian Wells Valley Concert Association program at the Center theater, is being sponsored jointly by the college and the High Desert Music Teachers Association. It is intended primarily for piano instructors and students, but is open free of charge to all interested persons.

The workshop by Pollack will be presented in the form of a lecture and demonstration entitled "The Romantic Approach to the Keyboard." Included will be a number of piano compositions from the period following Beethoven up to the early 20th century.

This is the first year that the IWV Concert Association has encouraged workshops in conjunction with its concert series and, according to Carl Helmick, president of the Concert Association, the response has been favorable from local high school and college students. This being the case, it is hoped that more such workshops can be held during the next concert season, Helmick added.

The piano workshop by Pollock will be the fourth such event to be held during the association's 1976-77 season. Others that have been sponsored either by Cerro Coso Community College or Burroughs High School have followed the concert programs presented by Susanne Shapiro, harp-schordist; William Mallory, lyric baritone, and the Trio Flamenco, two master guitarists and a dancer, whose guitar playing skills were demonstrated.

Enrollment now open in Basic Clerical Seminar

A Basic NWC Clerical Seminar will be offered at the Training Center on May 10, 18 and 23 and June 1, 8 and 14 from 7:45 to 11:30 a.m.

Subjects to be taught during this 24-hr. course include travel, disbursing, mail handling, supply, forms management, Navy directives, security, timekeeping and Naval messages and correspondence.

Center employees interested in attending this course should submit an NWC enrollment form via proper department channels in time for it to reach Code 094 no later than Monday, May 2.

Rumania, Switzerland, Finland, Norway, Holland, Bulgaria, Poland, Austria, Iceland, Korea, Thailand, the U.S.S.R., South America and Mexico, as well as throughout the United States.

In his recent tours across the U.S., Pollack has played many engagements including a tour with the New York Philharmonic, the Baltimore Symphony and the Hartford Symphony. He has worked with such internationally renowned conductors as Wallenstein, Kostelanetz, Susskind, Skrowaczewski, Kondrashin, and Fiedler, and has given chamber music concerts with Jascha Heifetz and Gregor



Daniel Pollack

Piatigorsky. He records for Melodya, Artia and Columbia records and many of his recordings have been released in the Soviet Union.

Currently serving on the faculty of the University of Southern California, Pollack is also a jurist of the Chopin Competition and the Young Musicians Foundation National Competition. As a teacher he is in constant demand for master classes on university campuses throughout the United States.

Tickets for the Monday evening concert may be reserved by calling the Indian Wells Valley Concert Association, phone 375-5600, or may be purchased at the theater box office today, from 4:45 to 6 p.m., and on Monday from 4:45 to 7:15 p.m.

Prices are \$5, \$4 and \$3 per person, depending on location. A half-price rate is available for persons under 21 or over 65 years of age and also for enlisted military personnel.



LUCKY TRIO — The three youngsters above brought home special prizes that were offered to those who found a silver-colored egg during the Easter egg hunt staged for children of military personnel last Saturday morning on the lawn in front of the Dispensary. More than 100 youngsters 10 years of age and under took part in this event, which was arranged by Desert Flowers Chapter No. 125 of the Navy Wives Club of America. Angie Lynn Angeles (at left) won a chocolate bunny, while chocolate easter eggs went to Kimberly Upchurch (in center) and Sean Lindsey. More than 20 dozen hard-boiled eggs that were dyed in various colors were prepared by members of the Navy Wives Club for the Easter egg hunt.

Chapter of Federally Employed Women to be organized April 22

The first meeting to plan and organize a chapter of Federally Employed Women, Inc. (F.E.W.), has been scheduled next Friday, April 22, from 11:30 a.m. to 12:30 p.m. in the Sidewinder Rm. of the Community Center.

The intent and main interest of F.E.W., which was founded in the summer of 1968 by a group of federally employed women in Washington, D.C., was to carry out the President's Executive Order 11375, which added "sex" to the other forms of discrimination prohibited in the Federal service by EO 11246.

Membership Forms Available

All NWC employees interested in supporting the establishment of a local chapter of F.E.W. are urged to attend the April 22 meeting. Those who will be unable to attend, but wish to join, may obtain membership application forms by calling the Equal Employment Opportunity Office at NWC ext. 2348 or 2738; from Margy Zinke, phone NWC ext. 3637, or Rose Gonzales, NWC ext. 2524.

F.E.W. has a five-fold purpose: (1) to take action to end sex discrimination in employment in government service; (2) to increase job opportunities for women and to further the potential of women in the government; (3) to improve the merit system in government employment; (4) to assist government employees and applicants for government employment who are discriminated against because of sex; and (5) to cooperate with and assist other organizations and individuals concerned with equal employment opportunity without discrimination because of sex, race, color, age, marital status, national origin, political affiliation, religion, or physical handicap.

Close Relationship

The relationship between Federally Employed Women and the Federal Women's Program (FWP) is one of mutual interest and support. The Federal Women's Program seeks to enhance opportunities for the hiring, training, and promoting of women in every area of the Federal service as an integral part of the overall Equal Employment Opportunity Program.

NWC, as do all other Federal activities, has an FWP Coordinator who serves as the contact point, source of information and advisor to management and the head of the activity on matters involving the employment of women. The FWP covers all

civilian Federal employees, but there is no formal membership among those employees.

Federally Employed Women is a private organization, similar to the League of Women Voters or the NAACP, and is concerned with goals similar to those of the FWP. The organization has a specifically defined membership, a national governing board, and local chapters around the world.

There is no conflict between FWP and F.E.W. goals and objectives. Rather, those persons officially charged with FWP responsibilities and FWP officers and members work together to achieve mutual purposes. F.E.W. seeks to support the FWP by acting as a watchdog and overseeing the amount of support and attention allotted to the FWP by both agency and headquarters officials.

Area IV show of Kern Art Festival slated April 23-24

Plans are in full swing for the Area IV show of the Kern County Art Festival, which will be held at the Community Center from 2 to 8 p.m. on Saturday, April 23, and from 11 a.m. to 5 p.m. on Sunday, April 24.

The show is sponsored locally by the Desert Art League, which financially supports its costs and handles the arranging and hanging of the works. Judging will be done by a team of professional artists and teachers outside the local area who are Kern County residents.

Purpose of the Kern County Art Festival is to encourage original, creative art by county residents, and to recognize their efforts. Elementary school art entries have been prejudged, and there will be between 400 and 500 such works at the Community Center show.

Adult amateur entries must have the official entry sticker attached to the back of each painting. Entry stickers were mailed out by the Kern County Parks and Recreation Department after applications were received last month.

A number of demonstrations of various art techniques and media are planned for the two-day show. The Art League will also offer for sale miniature paintings which were donated by members. Refreshments will be available to visitors.

Desert Art League artists who have donated paintings for door prizes include Clifford Johnson, Ida Davis, Beth Allen, Jean Savage, Francilu Hansen and Susy Rafal. A special print from a woodcut done by Calvin Hoechlin of Yucaipa also will be awarded as a door prize.

Special entertainment planned tonight at COM

A floorshow featuring impressionist-ventriloquist Mike St. Claire will highlight Membership Night at the Commissioned Officers' Mess, which will begin tonight at 6 o'clock with a roast baron of beef dinner.

The Johnny Mann Trio will provide dance music beginning at 8 p.m., and St. Claire will entertain at 9:30.

This versatile actor has been seen in many well-known films including "Von Ryan's Express," "Our Man Flint," "My Fair Lady," and "The Unsinkable Molly Brown," and has appeared on such television shows as "I Spy," "Mission Impossible," "Get Smart," and "Hogan's Heroes." He has performed throughout the U.S. and also in England and Australia.



Lecture on 'Orangutans, Indonesia's People of Forest,' scheduled Tuesday

The fourth in a series of Leakey Foundation lectures to be sponsored by the Maturango Museum will be presented at the Burroughs High School lecture center at 7:30 p.m. on Tuesday, when Birute Galdikas-Brindamour and her husband, Rod, will speak on "Orangutans, Indonesia's People of the Forest."

A Canadian of Lithuanian descent, Mrs. Galdikas-Brindamour first became interested in orangutans when she heard Dr. Louis S. B. Leakey speak in 1969 at UCLA, where she was a graduate student in anthropology. Since 1971, the Brindamours have accumulated over 7,000 hours of significant observation in the wild forests of Indonesia.

"Orangutans are not flashy animals like the chimps or gorillas," Mrs. Galdikas-Brindamour said. "They're shy, gentle, slow-moving creatures that spend 80 per cent of their time alone. But as the sole Asiatic ape, not much is known about them."

The Brindamours have already made observations that challenge some widely held beliefs about orangutan behavior. For instance, it appears that these primates spend much more time on the ground than

was formerly believed; such observations have led the Brindamours to characterize orangutan habitat as semi-arboreal. As observations continue, more is also being learned about orangutan social structure and interrelationships.

Efforts to unravel the mysteries of the orangutan's life are only part of the Brindamours' work. At the request of the Indonesian government, the couple seeks out young captive orangs, rehabilitates them at a jungle halfway house, and returns them to the wild.

Those who would like to read more about the primate studies of Dr. Leakey's three



Birute Galdikas-Brindamour

proteges, Galdikas, Goodall, and Fossey, may purchase "Watching the Wild Apes," an illustrated book by Betyann Kevies, from the Maturango Museum. Suitable for ages 10 through adult, the book reveals through the observant eyes of three woman scientists the behavioral patterns of the orangutans, the gorillas, and the chimpanzees. Several copies of the book are now available at \$9.59, including tax, and more will be ordered on demand.

Tickets for the Brindamours' lecture will be available at the door on Tuesday evening or may be purchased at the Maturango Museum office and from Museum members. Office hours for the museum are 3 to 5 p.m. every day, and also 9 to 11 a.m. on weekdays.

Tickets, priced at \$2.50 for adults and \$1 for students and senior citizens, are also on sale at the Gift Mart and at the Station Pharmacy.

American Legion to host Nat'l Security Forum on Saturday

Officers and members of American Legion Post No. 684 will host a National Security Forum (open to the public) that will get under way at 1 p.m. tomorrow at the Legion Hall, 641 Inyokern Rd., Ridgecrest.

A wide variety of interesting and informative subjects will be covered, ranging from national defense affairs and law and order to steps to be taken in the event of a natural disaster (such as an earthquake or flood), as well as already established emergency communications systems and procedures.

The panel of speakers will include W. E. Davis, NWC's Director of Safety and Security, representing RADM. R. G. Freeman III, NWC Commander; Conrad Shaw, from the FBI office in Bakersfield; and Walter Czerwonka, president of the Indian Wells Valley Chapter of the Retired Officers Association.

Others who will participate are Lloyd Brubaker, a teacher at Murray Junior High School, who is a member of the East Kern County Emergency Communications Group; and Robert Pruett, Sr., law and order chairman for the 27th District of the American Legion and a former judge of the Indian Wells Valley Judicial District Court.

This program has been arranged by Mrs. Jean Wintery, past district president of the American Legion Auxiliary.



RIGHT IN STEP — The NWC color guard and drill team went through the local version of an Easter parade last Friday afternoon as the 12-member unit marched down Blandy Ave. from the Administration Building to Bennington Plaza in order to gain experience and "do their thing" in front of local residents and Navy personnel. At far left is the petty officer in charge of the unit, MS1 Bruton A. Dean, while color guard members in the front row are (l.-r.) ABH2 Charles James, AMS2 Robert S. Howell, AMHAN Frederick L. Snyder and AA Darlene King. Last month a third place trophy was won by the NWC drill team for its participation in the 62nd annual National Orange Show held in San Bernardino. The team members — all of whom received special certificates at a recent awards presentation held at Hobo Joe's in Ridgecrest — were AZ3 Gordon Gillie, PN3 Chris Wood, AMH2 James Cole, AN Terrie Baker, AA Dixie Neal and SH2 Arthur Lloyd. —Photo by Ron Allen

Steps taken to upgrade range test facilities...

(Continued from Page 1)

Major advantages of the on-axis data system are the reduction in numbers of camera stations, camera operators, vehicles, radios, mobile equipment and data processing costs in the future, when multiple remote optics stations are integrated.

The accuracy of the on-axis data is demonstrated by its capability to drive the independently calibrated remote optics station, or another radar or telemetry device, while permitting visual monitoring and computer compared position data of the target during the operation on a calibrated video screen, and from the printer at the radar operator's console. One prototype radar is in operation at Tower 9, G range.

Contract Awarded

A contract for development of a portion of this system was awarded in July 1975 to the RCA Services Co. in Florida. The contract included engineering design of the main data processing subsystem and also called for providing the computer hardware.

As it worked out, however, much of the actual interface design of the radar and design of the remote optics station equipment was done by NWC employees, while the RCA Services Co. handled the basic design. Over a period of seven months, from July 1975 to January 1976, the RCA Services Co. and NWC worked together on the design and construction of the system, as well as on the engineering hardware.

Key personnel involved, in addition to Bob Barsaloux, the project manager, were: Stuart G. Fields, project engineer and chief designer, Jim Gossett, a long-time former NWC employee (now retired) who works for Systems Consultants, Inc., as well as electronics technicians Jack Marchetti, John Dibble, Bill Schorr, Vern Logue and Phillip Gago. The last three men are from the Radar and Metric Electronics Sections of the Code 62 Air Operations Branch.

Highly Flexible System

The current on-axis system provides for interface with any radar band. Additionally, system flexibility provides a tracking capability for not only aircraft and tactical air-launched missile systems, but, because of its high rate tracking ability, slower targets such as satellites and ground mobile vehicles, as well as ultra high speed munitions trajectories may be analyzed.

As it now stands, according to Barsaloux, head of the Operations Support Office in the Range Department's Range Operations Division, the prototype model of the on-axis data system is operational, and an evaluation committee has been formed to check the accuracy and precision of this new system in comparison with other range space and position measuring devices such

as the cinetheodolite network and other radar and cinetheodolite network combinations. This evaluation work is being handled by the Range Department's Range Instrumentation Support Division headed by William T. Lamb, and is being directed by Carl Koener, who heads the division's Range Optical Development Branch.

One of the most significant things accomplished by use of the on-axis data system is that it provides high accuracy, positional data to project engineers within 3 to 4 hours after a test has been run, in contrast to a lapse of 5 to 10 days using a combination of cinetheodolites and other radar networks and present data reduction techniques.

With this fast turn-around of information on a test, it should be possible to quickly make a knowledgeable decision on what the next step in the test program should be. The on-axis data system will keep up with all the predicted velocities of weapons systems during the 1980s.

Remote Control Feature

Incorporated into the on-axis data system is the use of remote, cine-sextant mounts that are connected by microwave link to the Nike-Hercules radar. This saves on personnel resources and maintenance of camera sites, as well as the time involved in getting people out to the remote locations.

Potential savings as a result of reduced maintenance and lowered direct test costs, in addition to a reduction in camera

maintenance and operation costs, has been estimated at \$640,000, based on conducting 286 tests annually and utilizing the on-axis system that is expected to be completed by the FY 79 timeframe.

Project 21 plans call for purchase of a series of on-axis systems during FY 79 to FY 83. When completed in 1983, 11 radar systems will be operational with 18 operational remote optics sites. All NWC ranges will have on-axis capability with both fixed and mobile systems as required. The total program will provide a complete capability to evaluate the full spectrum of air and surface weapons. On-axis data systems will become the "workhorses" for NWC by providing added technical capability. Additional articles will be forthcoming this year to report on the prototype evaluation program.

Separation prior to taking earned leave new policy

Navy personnel separating from active duty who desire to take earned leave now may be processed for separation prior to departing from their parent command, according to a new Bureau of Personnel policy.

Previously, personnel were required to return to their command or a separation activity for processing at the expiration of their leave.

Additional information can be obtained from BUPERSNOTE 1050 of March 9, 1977.



OUTSTANDING GUARD SINGLED OUT — Charles W. Miller (center) recently was selected as the Washington Patrol Service's outstanding guard for the month. The criteria for this selection is appearance and exemplary performance over an extended period of time. In recognition of this honor, Miller is shown receiving a \$25 U.S. Savings Bond from Jim Washington, president of the Washington Patrol Service, while W. E. Davis, NWC's Director of Safety and Security, looks on at left. —Photo by PH3 B. J. Beckman