

'Fractured Follies' To Open Two-Day Run Next Thurs.

The biggest musical-comedy extravaganza of the year will open next Thursday evening at the Burroughs High School Lecture Center at 8 o'clock when the China Lake Parent-Teacher's Association presents its annual "Fractured Follies."

Included in the show, which will be staged again on Friday, Feb. 16, will be 10 Broadway-style production numbers, soloists galore and comedy skits that feature friends and neighbors in the Indian Wells Valley.

It's all in a good cause. The monies realized from the program will benefit the IWV Campership Fund, a charity organization that each year helps to send deserving children to summer camp.

"Fractured Follies" will be directed by Tom Chatham, who works for the Cargill Producing Organization, of New York City. Chatham will put local housewives, scientists, engineers, and others through their paces in a professional-looking, smooth-running (hopefully) program designed to entertain any taste.

Featured soloists will be Jack Lindsey, who will open the program with a localized version of "Nothing Can Stop Us Now," from "The Smell of Greasepaint,"

LeRoy Carson, who will sing "Maria," from "Paint Your Wagon"; Jim Heck and Jeannie Gritton, who will combine on a duet, "Moon River," from "Breakfast at Tiffany's"; Susan Rungo, who has agreed to perform "Thoroughly Modern Millie," from the show of the same name; Sandee Schwarzbach, soloing on "Manana," and Jack Chandler, who will sing "For Once in My Life."

Dance solos will be performed by Carol Wooldridge, Kitty Lockwood, Steve Kaupp, and Marlene Page.

The production numbers include a chorus line ("The Rockettes"), bar flies, show girls, daisy girls, red hot mamas, a western fandango, the graduation ball, the Charleston, and a flashy version of "Slaughter on 10th Avenue."

Sue Fisher, Pat Noland and Joan Fowler are the pianists with the show. Talent chairmen are Dottie Cowan, Pat Homer and Pat Schwarzbach, while Norweita Cook, Bonita Schear and Ethel Wiggins are in charge of costumes.

Tickets priced at \$2.50, can be purchased at the Station Pharmacy, Senn's Coiffures, Barton's Men's Store, or obtained from members of the China Lake PTA board of directors.

Persons who plan on attending are reminded that performances on both nights were sold out last year.

ACS Sets Talk About Carbon-13 Spectroscopy

A talk entitled "Carbon-13 Spectroscopy, the NMR Revolution" will be presented at next Tuesday evening's meeting of the Mojave Desert Section of the American Chemical Society.

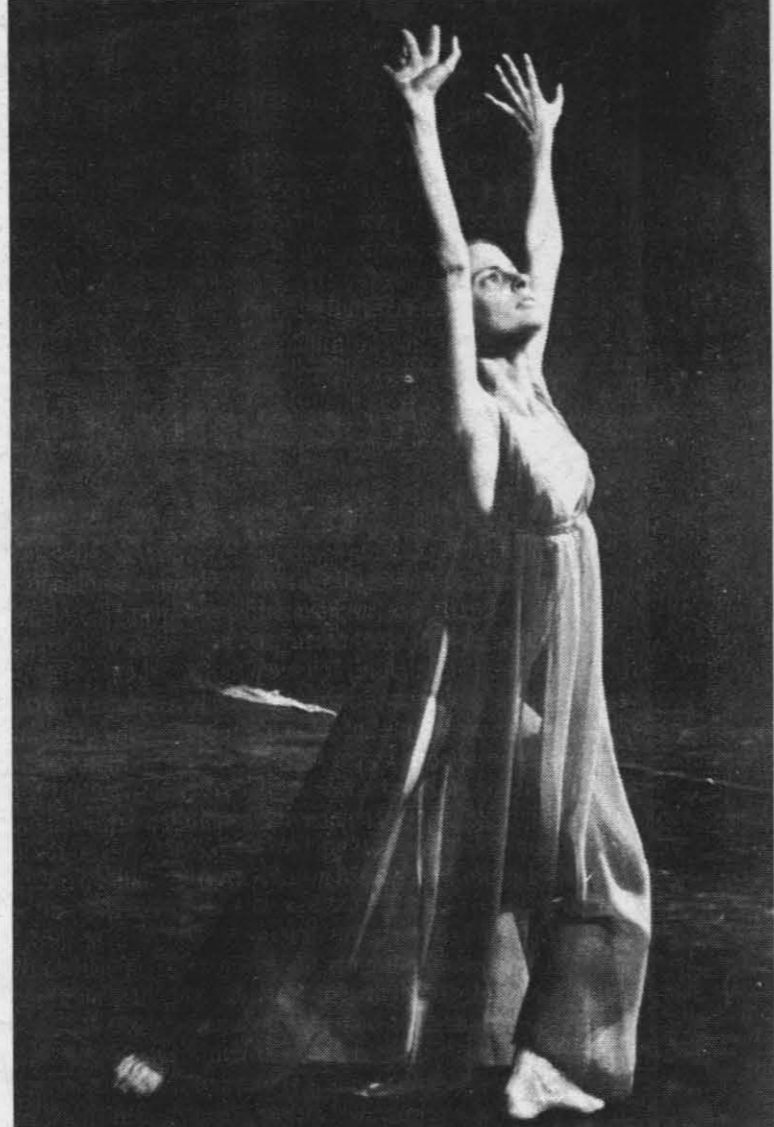
The dinner, which is scheduled at 6:30 p.m. in the Mojave Room of the Commissioned Officers' Mess, will be followed at 8 o'clock by the talk by LeRoy F. Johnson, vice-president of Transform Technology, Inc., of Palo Alto, Calif.

Johnson has held his present position for a year, but for 10 years prior to that time was head of Varian Associates, a nuclear magnetic resonance (NMR) applications laboratory.

Two major technological breakthroughs have made possible the routine use of carbon-13 nuclear magnetic resonance spectra to make clear the structure of complex organic compounds.

The wealth of chemical information available from these radio-frequency "fingerprints" permits a direct look at the molecular framework which before could only be seen indirectly, if at all.

Reservations to attend the ACS dinner meeting can be made by calling either Ron Atkins, at NWC ext. 2853, or Wayne Thun, at ext. 2831.



DANCE GROUP TO PERFORM MONDAY — Laura Glenn, a featured soloist of the Jose Limon Dance Company, performs "Dances for Isadora," one of the four choreographical offerings of the group on Monday, beginning at 8 p.m. in the Center Theater. The company was originally scheduled to appear locally on March 12, but the date was moved up to Feb. 12 so that they might take part in a State Department-sponsored tour of the Soviet Union.

Jose Limon Dancers To Perform Here Monday

The Jose Limon Dance Company, originally scheduled to perform at China Lake on March 12, will be here instead on Monday night, the China Lake Civic Concert Association, sponsors of the group's visit, announced.

"It was necessary to alter the schedule as the company would not be able to honor the original date," said Dr. Arnold Nielsen, president of the association's board of directors. "Immediately after the local concert, the entire dance troupe will leave the United States for a State Department-sponsored tour of Russia," he further explained.

Monday night's performance is scheduled to begin at 8 o'clock in the Center Theater. Individual tickets, priced at \$5, will be sold at the door. Students (under 22) and military personnel will be able to purchase the duets for \$1.50.

The internationally famous dance group, founded by Jose Limon, who died on Dec. 2, 1972, will present four numbers for local theater-goers. The first dance, called "La Malinche," features the dances of the small towns and villages of Mexico. The history and tradition of the country can be seen in the choreography of Limon and heard in Norman Lloyd's music.

The second offering of the evening is "The Exiles," first performed in 1950. The accompanying music was written by Arnold Schoenberg and the dance features two movements — "The Flight," and "The Remembrance."

Five evocations of Isadora Duncan, entitled "Dances for Isadora," and choreographed by Jose Limon, will be danced to the music of Frederic Chopin. The dance is divided into five separate

units — Primaera, Maenad, Niobe, La Patrie and the Searf Dance.

Following the brief intermission, "Night Spell," choreographed by Doris Humphrey to the music of Priaux Rainier, will end the evening's entertainment. "Night Spell," is an original ballet that depicts things of the night — the wind, the sleeper, nightmare, kindness and comfort.

Limon said of his work: "I try to compose dances that are involved with man's basic tragedy and the grandeur of his spirit. I see the dance as a vision of power..." Limon's dances have been described as being like a calm lake suddenly transformed into a roaring whirlpool...striking the heart of man with great force.

Limon, who was born in Mexico, was a dancer of note himself, and for many years was one of the leading performers with the Humphrey-Weidman Dance Company that operated out of New York City.

He formed his own troupe in 1947 and the group made its debut at the Belasco Theatre in New York City. Since that time, the group has performed hundreds of times in nearly every country of the world.

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 accompany-

ing Parent or Adult Guardian

CS - Cinemascope
STD - Standard Movie Screen

FRI. 9 Feb.

"ONE IS A LONELY NUMBER"
(STD 97 Min.)

Trish Van Devere, Monte Markham (Comedy Drama) Trish Van Devere's husband has walked out on her. His departure leaves her "paralyzed" to an extraordinary degree. When Trish's husband asks for a divorce, her friend introduces her to Janet Leigh, who instructs her on how to take her husband for everything he's got. (PG)

SAT. 10 Feb.

"THE TROUBLE WITH GIRLS"
(CS 99 Min.)

Elvis Presley, Marilyn Mason (G)

"STAND UP AND BE COUNTED"
(STD 99 Min.)

Jacqueline Bisset, Gary Lockwood (Comedy) Jacqueline Bisset plays the successful, glamorous career woman so wrapped up in her own success that she has lost her femininity and her awareness. Enter bland male chauvinist Gary Lockwood, and she is soon embarked on a heady romance that never works up a head of steam. (PG)

SUN. 11 Feb.

"FAT CITY"
(STD 97 Min.)

Stacey Keach, Jeff Bridges (Drama) The story is a complex character study of two boxers, one a has-been at age 30, the other a boy of 19 whose prospects on the B-grade boxing circuit around Stockton, are at best uncertain. Keach is attempting to pull himself together after another drinking bout. Bridges has mild ambitions for the ring, which the older man encourages. (PG)

MON. 12 Feb.

The China Lake Civic Concert Association presents the Jose Limon Dance Company 8 p.m.

TUES. & WED. 13-14 Feb.

"FIDDLER ON THE ROOF"
(CS 179 Min.)

Topol, Norma Crane (Musical) Fiddler is much more than the story of a poor Jewish farmer at the turn of the century in the tiny Ukrainian village of Anatevka, deep within Czarist Russia. Tevye, the milkman, with his five dowry-less daughters, his lame horse, his nagging wife, his menial chores, and his companionable relationship with God, is very much the archetypal ancestor from whom most Americans, in one way or another, have come. (G)

THURS. & FRI. 15-16 Feb.

"KANSAS CITY Bomber"
(STD 99 Min.)

Raquel Welch, Kevin McCarthy (Action Drama) Professional roller derby skater Raquel Welch, divorced mother of two, leaves Kansas City for Portland, Ore., when promoter Kevin McCarthy buys her contract. McCarthy builds up a rivalry between Raquel and his team star, Helena Kallianiotis. Raquel and Mary Kay Pass room together on the latter's houseboat until McCarthy jealously trades Pass, so as not to share Welch, with whom he's having an affair. (PG)

Officers' Club Plans Valentine's Dance

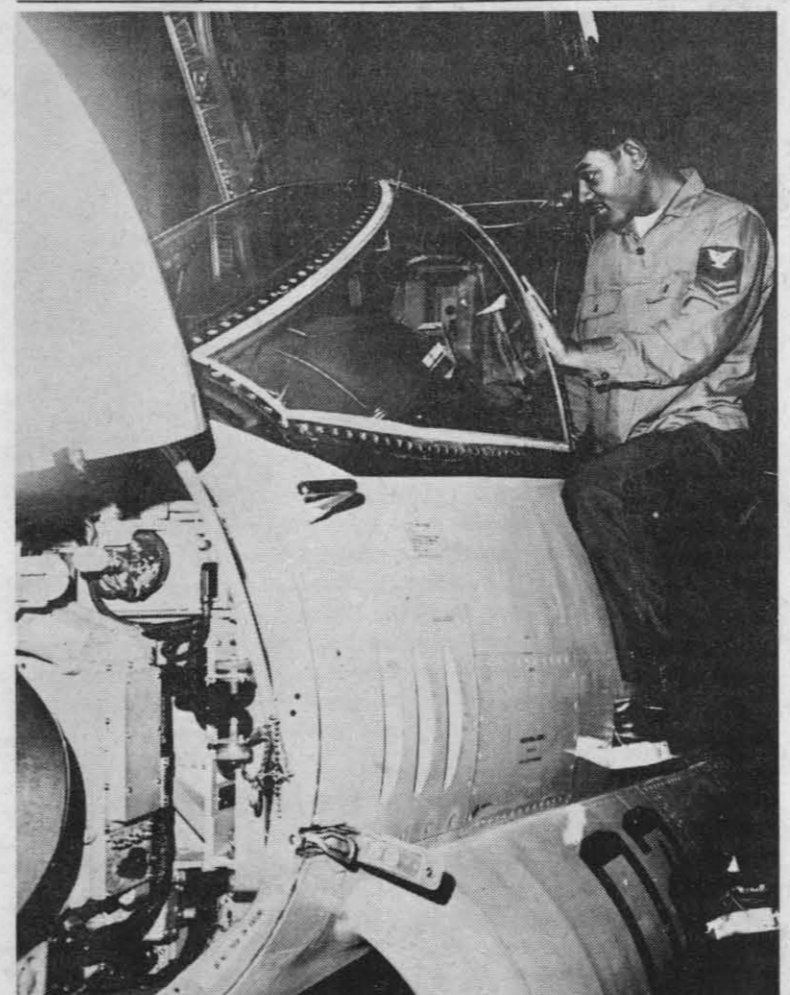
A dinner dance at the Commissioned Officers' Mess will be held on Valentine's Day—next Wednesday, Feb. 14—in the main dining room from 6 to 11 p.m. Dinner will be served from 6 to 9 p.m. and there will be dancing to the music of the "Band-aids" from 7 to 11 p.m.

Reservations should be made in advance (ph. 446-2549) as dining space is limited. There will be no extra charges for the evening, and the menu is open.

From _____
TO _____
PLACE STAMP HERE



Naval Weapons Center
China Lake
California
Vol. XXVIII No. 6



BLUEJACKET AT WORK — AQ2 Kenneth W. Johnson, February's "Bluejacket of the Month," checks out the cockpit of an A7E aircraft to see if the intensity compensation adjustments have been made on newly installed radar gear. Johnson is a technician in the fire control shop at VX-5.

AQ2 Johnson Singled Out As Bluejacket of Month

Aviation Fire Control Technician Second Class Kenneth W. Johnson, who has been stationed at VX-5 for the past two years, has been selected as February's "Bluejacket of the Month."

The Houston, Tex., native came to China Lake in April 1971 from the Naval Air Station at Lemoore, where he had completed advanced A7 systems familiarization training.

Prior to being stationed at Lemoore, Johnson attended the Advanced First Term Avionics "B" school and the Avionics "A" school at Memphis, Tenn.

As a result of his selection, Johnson will be treated to an all-expense paid holiday in Bakersfield Feb. 23-25 by the Greater Bakersfield Chamber of Commerce. While in that city he will be hosted by the Royal Palms Motor Hotel.

In addition, Johnson will receive a hospitality packet that will contain free gift certificates and discount coupons from merchants who participate in the monthly Bluejacket program.

Before leaving the local area, the Johnsons will be loaned a new Ford by Desert Motors in Ridgecrest for use on the weekend trip.

Johnson, who entered the Navy in October 1969, reenlisted for five more years this past Wednesday. He was graduated from Booker Washington High School, in Houston, and attended the University of Houston, where he majored in engineering.

Rockeye II, Cluster Weapon Used In Vietnam, Developed at NWC

The use of clustered warheads to cover a target area, a concept first suggested to the Naval Weapons Center by Frank Marquardt, of the Naval Air Systems Command (then BUWEPS), came into general practice during the latter stages of the Vietnam War.

The planning for such a weapon, which was labeled Rockeye II, was evolved jointly by BUWEPS and NWC, and had its origin, development and initial production under the cognizance of personnel at NWC. Fuzing was developed by the Naval Ordnance Lab at White Oak, Md.

The formal designation of Rockeye II, a 500-lb. unguided free-fall cluster weapon, is Bomb, Cluster, MK 20. Rockeye II is the Navy's first "all-up" weapon. The term "all-up" signifies that upon delivery to the Fleet it was ready to be used as packaged. It isn't necessary to insert a fuze section or other components that are packaged separately, as is the case with most other weapon systems.

Designed for use against such hard targets as tanks, armored vehicles and gun emplacements, as well as against such soft targets as trucks, parked aircraft and radar installations, Rockeye II consists essentially of a MK 7 dispenser and cargo of 247 MK 118 bomblets.

The MK 7 dispenser includes a munitions container, a MK 339 fuze and a tail assembly. The time at which the fuze is set determines the weapon's flight time prior to

initiation of dispenser opening. The fin-stabilized MK 118 bomblet is composed primarily of a shaped charge and a MK 1 fuzing system. The MK 1 system encompasses an impact-sensing element and a base element. Upon impact against a target, the MK 1 fuzing system causes the bomblet to detonate instantaneously.

At the time of release of the weapon from an aircraft, the spring-loaded fins of the MK 7 dispenser move outward to provide aerodynamic stability. Upon attainment of the pre-set MK 339 fuze time, the dispenser is cut longitudinally by an internal linear shaped charge so as to open in a clam shell fashion. As the dispenser opens, the high drag MK 118 bomblets, which are dispersed by aero-dynamic forces, pour out.

After a period of flight and upon impact each bomblet detonates. Preliminary design studies of Rockeye began at NWC in 1962, and the program effort was accelerated in 1965—after the Center was assigned responsibility for program management and technical direction of the Naval activities concerned with the many facets of this new free-fall weapon development effort.

Rockeye II was the first weapons system that came under the Deputy Assistant Program Manager (DAPM) concept. This meant that a field activity was responsible for design and development of a weapons system and had the technical direction for the entire system. Eventually, a

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total of 13 other field activities were involved in the Rockeye II program along with NWC, which was responsible for overall program management, coordination, and technical direction.

Rockeye II was a product of the old Air to Surface Weapons Division (then Code 403) headed by Dr. Marguerite Rogers in the Weapons Development Department.

Dr. Rogers' role included doing a lot of trouble-shooting for Rockeye II. She traveled to Washington frequently to make sure that funds which might otherwise have been diverted to some other development project continued to be earmarked for Rockeye II, and made countless presentations

(Continued on Page 3)

Study of City Battered By Earthquake Set

Dr. Pierre St. Amand, head of the Earth and Planetary Sciences Division in the Naval Weapons Center's Research Department, will leave today for a two-week visit to Managua, Nicaragua.

One of a team of six international experts, Dr. St. Amand has been



invited to Nicaragua by the Organization of American States (OAS) to advise Gen. Anastasio Somoza, the country's top political leader, on matters concerning reconstruction following the disastrous Dec. 23 earthquake that killed at least 3,000 persons and either destroyed or heavily damaged 80 per cent of the buildings in Managua.

In addition to Dr. St. Amand, who is a geologist and seismologist, the special team will include a sociologist, city planners, an architect and transportation experts.

Recommendations concerning the type of construction work needed and necessary financing will be reported by the in-

(Continued on Page 4)



COMBAT PROVEN — Rockeye II, a weapon which has proven to be successful in combat in Southeast Asia, was designed and developed by scientists and engineers at the Naval Weapons Center. A 500-lb. unguided free-fall cluster weapon, it consists of a dispenser containing a cargo of 247 bomblets which pour out after Rockeye II has been released from an aircraft. Rockeye II can be used against such hard targets as tanks, armored vehicles and gun emplacements, or against such soft targets as trucks, parked aircraft and radar installations.



PURCHASES PATRONAGE — J. H. McGlothlin, head of the NWC Public Affairs Office, registers his support for Fractured Follies '73 by purchasing a patronage from Jerry Fuller, patron ticket chairman. The Follies will open next Thursday evening in the Burroughs High School Lecture Center at 8 o'clock, and will be presented again on Friday, Feb. 16. The China Lake Elementary Parent-Teachers Association, sponsors of the yearly event, is looking for more patrons like McGlothlin in order to raise money for the IWV Campership Fund. —Photo by PHAN D. M. Jeneaux



TO PRESENT CONCERT - "The Light Stream," a group of musicians and singers from the Peoples Church in Fresno, Calif., will present a concert of contemporary sacred music at the All Faith Chapel tomorrow at 7:30 p.m. and again on Sunday at 4 p.m. There is no admission charge, although an offering will be taken.

'Light Stream' To Present Concert

Sixteen college-age musicians and singers from the Peoples Church in Fresno, Calif., will present a program of sacred music at the All Faith Chapel tomorrow at 7:30 p.m. and again at 4 p.m. on Sunday.

The group of eight singers and eight musicians, under the direction of Doug Holck, minister of music, are called "The Light Stream." They will render a sharp, fast-moving program of contemporary sacred music, that is meant to answer spiritual problems of a perplexing age.

A well-rounded and experienced group, The Light Stream have

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 652, Extension 2049. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Secretary, GS-318-4 or 5, PD No. 7040060-Amt, Code 404—Incumbent is secretary to the head, Avionics Division, Weapons Development Department. Performs regular secretarial and typing duties. As secretary to head, Avionics Division, receives and screens all on and off-center visitors; maintains division head's calendar; receives, opens and screens all personally directed correspondence and prepares replies on routine and non-technical matters. Informs, instructs and coordinates secretarial help in subordinate offices in accomplishing the work of the division. Reviews all out-going official division correspondence for conformance with Center and department procedures and policies. Minimum Qualification Requirements: As outlined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must be proficient typist and be thoroughly familiar with policies and procedures for reviewing official outgoing correspondence. DMT experience is desired. NOTE: This position is part-time only.

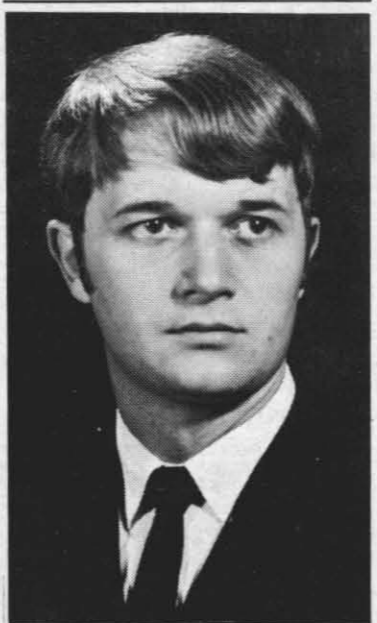
File applications for above with Elizabeth Sodergren, Bldg. 34, Rm. 204, Ph. 2676.

Clerk-Typist, GS-322-4, PD No. 495017, Code 841—Serves as secretary to the head, Security Operations Division. Incumbent schedules appointments for division head, screens calls and visitors. Handles calls not requiring supervisor's attention and is responsible for maintaining supplies, establishing files and logs. Originates memorandums and correspondence on routine matters, security infractions and violations. Corrects rough drafts and converts to finished form. Is responsible for coordination of all stubs, personnel actions, travel orders, forms requests and training requests for division. Assists in establishing budget requirements and keeps abreast of expenditures of funds allocated. Minimum Qualification Requirements: as outlined in CSC Handbook X-118 Job Relevant Criteria: knowledge of proper handling of classified material; knowledge of security operations; adaptability; must be a qualified typist.

File applications for above with Charlotte Sieckow, Bldg. 34, Rm. 3118.

Laborer (Heavy), WG-3502-3 or Warehouseman, WG-4907-4 or 5, Code 2591—Two Vacancies—Performs a number of tasks in connection with the physical receipt.

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NEW AT NAF — Ens. Frank P. Santoni, Jr., who recently completed 1½ years of flight training, has reported for duty at the Naval Air Facility. A graduate of the University of Maryland, where he majored in aerospace engineering, Ens. Santoni entered the Navy through the Aviation Officer Candidate program. Transferred here following advanced flight training at the Naval Air Station, Kingsville, Texas, Ens. Santoni was accompanied by China Lake by his wife, Maureen.



HELP FOR RETARDED — Continuing a practice that has become an annual year-end tradition in the Public Works Department, Capt. W. H. Sturman, department head, recently presented a check in the amount of \$161 to Doris Hammer, president of the Indian Wells Valley Council for Retarded Children. The money donated by Code 70 employees was collected throughout the year-end holiday season. Contributions to this charitable cause were made by Public Works Department employees in lieu of spending money to exchange Christmas greeting cards with their fellow employees.

Whiskey Flat Days Celebration Planned Feb. 15-18 at Kernville

The small town of Kernville, nestled in the High Sierra Mountains off State Highway 178, will celebrate the 100th anniversary of Whiskey Flats on Feb. 15-18.

The gaudy past of the old mining camp will come alive during the four-day celebration through a parade, gold panning exhibitions, an epitaph contest, tours of surrounding mining areas, a whiskeno contest and simulated old-West shootouts.

The grand parade, which highlights the celebration each year, will get under way at 11 a.m. on Saturday, Feb. 17. An art show, sponsored by the Kernville Rotary Club, will be held at the Riverview Motel on all four days of the event, and historical tours also will be staged each day.

On Thursday, Feb. 15, a tour of Bull Run Mine is in the offing and the town site of Havilah will be visited the following day.

Keyesville has been selected for Saturday, and a Whiskey Flat Trail Ride will be held on Sunday, Feb. 18.

Some of the other principal festivities include a fiddlers' contest, costume contest, a children's pet parade, a greased pig contest and one of the fun highlights of the event will be a crooked mayoralty race between candidates who live in the area.

Whiskey Flat, Calif., was the original name of present day Kernville. The town had its beginning over a wooden plank laid across whiskey barrels on the site of the Indian Bankalachi village of Tulonoya.

Whiskey Flat Days is held each year to celebrate the past history of the area and to give visitors and present-day residents a chance to see the early West as it "was," and in some case, still "is."

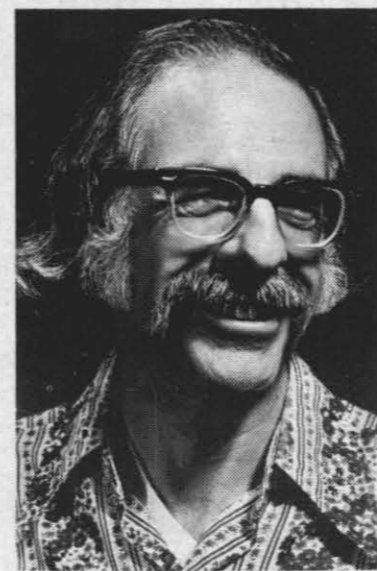
NWC Employee Services Board Quarterly Audit

The quarterly audit of the Employee Services Board accounts provide the following financial status reports as of Dec. 31, 1972:

ASSETS	
Cash on Hand	\$ 225.00
Cash in Bank (Savings & Checking Accounts)	34,510.08
Cash in Bank (Savings Account Reserve)	47,450.47
Accounts Receivable	758.55
Prepaid Expense	2,048.62
TOTAL ASSETS	\$84,992.72
LIABILITIES	
Accounts Payable	\$ 80.06
Taxes Payable - Payroll	1,301.02
Recreation Council	14,780.58
Reserve for Equipment	3,822.00
Operating Capital	65,009.06
TOTAL LIABILITIES & OPERATING CAPITAL	\$84,992.72

During the first six months of this fiscal year, seven checks amounting to \$46,164.72 were allocated to the Joint Navy-Civilian Recreation Council to be used in support of the Center's recreation program.

Employee In The Spotlight



William J. Werback

Why does a man set himself up as a target for criticism from his peers when he could just as easily forget the limelight and live a life free of stress, strain and aggravation?

Bill Werback, who has just been elected to his second term in three years as president of the China Lake Community Council, thought he knew the answer. "A man feels a certain responsibility to the community that sometimes, he can only fulfill by taking on positions of leadership that leave him open to criticism," he explained.

"I hadn't intended to become president of the council again, but I was the only person on the council with any experience, so I took the role, gladly," he said.

Bill is no stranger to the spotlight. He always seems to be in the thick of things and his involvement has often brought great results.

Born in Detroit, Mich., he received his early education at East Lansing (Mich.) High School, then entered Michigan State where he earned a BS degree in mechanical engineering.

The war was in its final throes in 1944 when Bill was graduated, so he entered the U.S. Navy and was trained as an electronics technician and shipped overseas aboard the USS St. George, a seaplane tender.

He received his honorable discharge in 1946 and "knocked around a bit at odd jobs" before finally going to work for Convair as an aeronautical engineer at the company's San Diego plant. In 1949, Bill returned to Michigan and studied at the University of Michigan in Ann Arbor, where he was granted his master's degree in aeronautical engineering in 1950.

"I returned to Convair and worked for them until 1954," he said. "That was when I got the call to teach."

Bill took a position with California State Polytechnic College, at San Luis Obispo, and for six years (until 1960), he taught aeronautical engineering.

"I finally realized I wasn't accomplishing what I wanted to do, so I came to China Lake to work in the same branch I am now in," he pointed out. Bill is head of the Structural Mechanics Branch of the Weapons Development Department's Aeromechanics Division.

Bill met his wife, Ellen, while they were both students at Michigan State. They were married in 1948 after he had completed his tour in the Navy. Ellen finished her education at the East Lansing college and holds a bachelor of music degree.

The couple has three sons and a daughter — Andy, 24, Peter, 23, Norman, 19, and Talitha, 18. "We kept trying until we got a daughter, then we quit," Bill joked.

Andy recently received a master's degree in electrical engineering and is working for his alma mater, University of California at Davis. Peter is a chief electronic design engineer for Electrostatic Sound Systems, Inc., in Sacramento. Norman is a sophomore at UC Davis, majoring in business administration, and Talitha is a senior at Burroughs High School.

Through his sons, Bill has long

been connected with the Boy Scouts of America. Some of the posts he has filled over the years include community chairman, Scoutmaster, Cubmaster, council training chairman, district training chairman, district commissioner, district chairman, vice president of the Southern Sierra Council, and now serves on the council's executive board.

"I've made one of those 50-mile hikes, also. But just one," Bill smiled.

In addition to his term as president of the Community Council, Bill served as secretary of that organization last year. He is currently on the Principal's Advisory Committee at Burroughs High School, the editorial advisory boards for both The ROCKETEER and the Daily Independent, and the Community Policy Board, and is also the local representative to the Regional Activities Committee of the American Institute of Aeronautics and Astronautics (AIAA).

In addition Bill is a member of the board of directors of the China Lake chapter of AIAA. In the past he served the group as chairman. Bill has also been a member of the NWC Recruitment Panel ("I stopped that when they kept sending me to North Dakota in the winter").

Ellen teaches piano and is busy trying to form a piano teacher's association in the local area. She also is a life member of the China Lake Elementary Parent-Teacher's Association.

Bill keeps busy with photography, model building and hiking, and upon occasion, he enjoys sailing.

Clinic Set Tues. For Pets Owned By Military

A pet immunization clinic, restricted to animals owned by military personnel, will be held next Tuesday from 10 a.m. to 1 p.m. in the garage building behind the NWC Dispensary.

Capt. David Eisenbrandt, a veterinarian from Edwards Air Force Base, will travel here to administer inoculations for both dogs and cats.

Fees to be charged are \$2.50 for distemper, leptospirosis and hepatitis (DLH) shots for dogs, and \$2 for anti-rabies inoculations. DLH shots for cats will be given for \$2 and there is a \$1 fee for shots that protect cats against rabies.

Remodeling At Shopping Bag Mkt. Completed

An extensive and costly remodeling job was completed within the past two weeks at the Shopping Bag Market in Bennington Plaza.

Major steps involved in this effort were the installation of five additional grocery gondolas, as well as new refrigeration equipment in the produce section, Gary Burke, market manager, reported.

In addition, decorative beams were hung in both the produce section and in the market's new liquor department where, for the first time, it is now possible to buy alcoholic beverages stronger than beer and wine.

The remodeling work also included a complete repainting of the interior of the Shopping Bag Market.

The addition of five new grocery gondolas has made it possible to stock a larger quantity of merchandise on market shelves, which also were reorganized to make shopping more convenient, Burke noted.

By working both night and day, the remodeling job was completed in 10 days' time.

Housing Assignm'ts

The following housing assignments were made in the month of January.

Two B. R. Old Duplex
Hanson, GS-12; Phillips GS-12; O'Bryant, 03.

Two B. R. Old Duplex LBP
Knapp, WG-11; Burks, WG-07.

Two B. R. Hill Duplex
Hamilton, GS-12.

Three B. R. Hill Duplex
Specht, GS-13; Lockwood, GS-12.

Four B. R. Panamint
Hall, GS-13.

One B. R. Apartment
Placnik, GS-12.

Two B. R. Normac
Horsham, E4; Vaughn, E3; Baker, GS-4; Moore, GS-7; McCarbo, E3; Eastman, GS-4; Fisher, GS-3; Dove, E3; Reed, E2; Barra, WG-5; Wilson, E3.

One B. R. Motel
Burroughs, GS-13.

Two B. R. LeTourneau
Hartley, WG-5.

Two B. R. Apartment
Adamson, EQ-7.

Four B. R. Hawthorne
Leavitt, EQ-7.

Two B. R. Wherry
Morris, E4; Tamplin, E4; Baker, E5; Anglsey, GS-7; McBride, E4; Fertig, E5.

Three B. R. Wherry
Van Skike, E5; Benson, E4; McNery, WG-3; Brooks, WG-5; Shantler, GS-7; Ambre, WG-10.

Four B. R. Wherry
Miller, GS-10.

Three B. R. Normac Duplex
Burge, GS-11.

Three B. R. Juniper
Jones, E7; Bien, GS-13; Blose, E7; Harms, GS-12.

Sports Banquet...

(Continued from Page 6)

introduced other members of the audience who had benefited the NWC sports programs. In addition, Lee Bess, January's athlete of the month, was introduced, as was Greg Moore, another outstanding basketball player at NWC.

A prime rib dinner was served to those in attendance at the banquet, which is to be an annual event hosted by Special Services.



FOR RECREATION USE — Two twin-seat land sailers have been purchased by Special Services, upon recommendation of the joint Navy-Civilian Recreation Council and approval of the NWC Command, for recreational use by Naval Weapons Center personnel. Shown during a test ride of one of the wind-driven vehicles at Mirror Lake is Cdr. C. D. Brown, Recreation Council chairman. Rental of the land sailers, at a fee of \$2.50 per day, will be handled by O. B. Bryant, head of the camping issue equipment room, who also will be in charge of classes that will be held at Mirror Lake for those interested in learning how to operate a land sailer. Car carriers also were purchased for use in transporting the land sailers to such places as Cuddeback or El Mirage (dry) Lakes, where wide expanses of relatively smooth sand are available for enjoying this outdoor sport.

AJBC City Tourney Held...

(Continued from Page 6)

The Bantam boys' singles was won by Martin Good, who posted a 515 total. Craig Stitt (509) and Mark Bond (499) were second and third, respectively. Nancy Ward took first for the girls' side of the ledger, hitting a 490 series, and Linda Herbstreit placed second with 471 pins.

In the Little Giants' competition, Casey Shotwell and Brett Schoenhals finished first and second with totals of 341 and 335 respectively. The girls were led by Joyce Billings, who rolled 315.

Hoop Action...
(Continued from Page 6)

Completing the evening's hoop play, the Gentlemen took a Rockin' Chair Division encounter from the 40-Love cagers, 41-29.

Basketball action on Feb. 1 saw the Wallbangers blitz the Devastators, 73-27, in a Division B encounter.

In a Division A match-up the same evening, the NAF Hawks defeated the Ensigns, 85-54. Bess and Moore combined to score 45 points between them for the Hawks.

John Revels tallied 17 points for the Over-the-Hill-Gang to lead them to a 48-36 victory over the 40-Love cage squad in a Rockin' Chair Division game that rounded out the evening's play.

Three games were played on Jan. 31. The Wallbangers trounced the Comarco hoopsters, 67-33; the Fuze Dept. basketballers knocked off the Dirty Dozen, 28-22, and the NAF Officers defeated the Hustlers, 55-25.

Blue Cross Agent Due
Gordon Ellis, the Blue Cross-Blue Shield insurance representative, will be at the Community Center next Tuesday, from 10 a.m. to 2 p.m.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake Lake, California

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NWC Commander

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Staff Photographers

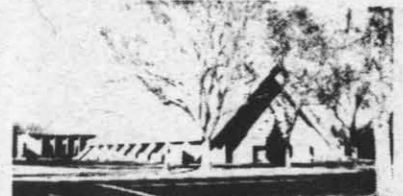
DEADLINES:
News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.

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DIVINE SERVICES

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

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

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

CONFESSIONS 1545 to 1645
0800 to 0825

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

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

UNITARIANS
CHAPEL ANNEX 95
Sunday Services 1930



In The Catbird Seat
By Jack Lindsey
I hate to be an "I told you so," but did anybody notice that after I predicted that Orville Moody was going to be a force to reckon with on the professional golfer's tour, the "Old Sarge" finished SECOND in the Hawaiian Open? How's that, Jeanne Dixon?

I only wish that I could predict my own scores that well. Last weekend I played on the China Lake Golf Team against an Edwards AFB contingent of sandbaggers and shot an absolutely terrible score. My playing partner, Tony Squillace, shot the worst score of his career. He said he played better rounds of golf when he was a 30 handicapper.

Edwards won the match, 33 to 27, but we'll get even when we go to Muroc on Feb. 25 for a rematch. Bob Hooper, the 1972 Athlete of the Year, posted the low net score for the local team, a 73. Three men tied for second low net — Jeff Summey, Ed Nelson and Joe Strickek — with 75s.

One of the Edwards boys in our foursome was a 17 handicapper and hit the ball similar to the way Jack Nicklaus does, and almost as far. If he was a 17, then I'm a 4! He also stated that he'd been away from the game for a while as he only got his right arm out of a cast two weeks ago.

But, it was interesting, and those of us who played had a good time, even if the weather was bad. Hopefully, we will get some good weather for the rematch. And, I predict, that China Lake will win this time.

One interesting story came out of the match. Bill Jackson, who is an extremely long-ball hitter and a low handicapper on the Edwards team, told me prior to the match that he hated to play No. 18. "The last time I was here, I pulled a ball out of bounds and hit somebody's goat tied up in their back yard. I never play that hole well," he said.

Well, last Sunday, Jackson was on the long, par 5 hole in two. He didn't hit a ball out of bounds and he missed the goat. He did 4-putt, however.

Chris Peterson, tournament chairman for the China Lake Golf Club, announced that the first tournament of the year will be held on Saturday, Feb. 24.

"We have scheduled a cross-country tournament to be played that day," Peterson said. "The format will be 14 holes, par 57," he added.

A sign-up sheet is located in the clubhouse. The entry fee for the tournament is \$2 and all prizes will be in the form of gift certificates, redeemable at the pro shop at the clubhouse.

Peterson stated that all golfers wishing to compete in a foursome of their own choice should list the foursome on the sign-up sheet.



HAPPY TROPHY WINNERS — This group of bowlers brought back 13 trophies from the Kern County Special Education Bowling Tournament, held in Taft last week-end. They are (front row l.-r.): Loretta Matthews, Alberts Hopkins, and Toni Arabian. Middle row, left to right: Jeff Graham, Teresa Sarrett, Teresa Lowman, Pam Johnson, Luana Shepard and Steve Shideler. Back row, left to right: Robert Breazeale, Barry Seale, teachers Gary Montieth of Las Flores School and Wanda Wisler of Murray School, Maury Coleman, coach of the team, Reuben Janes and Dale Graham.

Bob Hooper Selected 'Athlete of Year' At Special Services Sports Banquet

Bob Hooper was selected the 1972 "Athlete of the Year" to cap the first annual "Banquet of Champions," staged by the Command Administration Department's Special Services Division at the Chief Petty Officers' Club last Saturday.

Hooper, who was the September Athlete of the Month, was introduced by Jack Lindsey, sports



Bob Hooper

columnist for the ROCKETEER, and presented a huge trophy by O. A. "Gabe" Imer, head of Special Services.

The crowd of more than 100 persons rose to its feet by way of approval as Hooper strode to the dais to accept the trophy. Figures of a golfer, softball player, bowler and handball participant adorned the four foot high, shining piece of hardware.

Hooper stood at the microphone and looked at the audience. Then, obviously shaken, he nodded and walked back to his seat.

The presentation was the highlight of an evening filled with much thanks-giving, back-slapping and awards presentations to those who have been instrumental in giving Special Services a hand with sports programs over the years.

In addition, six men were inducted into the newly-organized NWC Hall of Fame. They are Bert Andreassen, Billy Brown, Bobby

Kochman, Dick Boyd, Max Smith and Leo Enriquez. Andreassen, Brown and Kochman have competed in the fast-pitch softball league at NWC for many years (all are pitchers); Boyd was chosen for his tennis prowess, and Smith and Enriquez are both three-time winners of the China Lake Golf Club championship.

Ray Gier, the NWC recreation director, introduced the three softballers. "I don't even know if his wife likes him because of some of the remarks she made," Gier said, referring to Andreassen. "She once told him that she would bury him under a pitcher's mound. That way he wouldn't miss any softball games," Gier added.

In his introduction of Bobby Kochman, who began competing in the baseball program at China Lake in 1946, Gier said that Kochman pitched an 18 inning, 1-hit ball game at about the same time as Andreassen was graduating from high school.

"Unless you hit a ball right into his glove, forget it," Gier remarked about Billy Brown's fielding prowess. "Field he can't do, but can he pitch? I'll say," Gier commented wryly.

Imer then stepped to the microphone to introduce Boyd, Smith and Enriquez. "When I asked Leo (Enriquez) what was the first big golf tournament he ever played in, he replied, 'The 1929 Los Angeles Open,'" Imer told the audience. "To this day, he still gives no quarter on the golf course and expects none," the Special Services head remarked about the three-time local golfing champion, who still sports an incredibly low handicap.

The awards presentations began with Special Services recognizing individuals who have contributed time, effort and management to various sports programs on the Center.

Carol Chatterton, who has for many years headed the IWV Swim Team, was recognized and Judy Mendonca received a plaque for the many hours she has spent in the

youth programs at NWC. Others receiving plaques were Bob Freedman, Joe Kokosenski, Rob Fuller, Ron Convert, Gordon Peacock, Curt Bryan, Paul Someson and Maury Coleman.

The three news media representatives in the area — The ROCKETEER, The Daily Independent and Radio Station KLOA — also received plaques.

Guests of honor seated at the head table were Capt. D. W. Alderton, NWC's Deputy Commander; Capt. E. M. Crow, Commanding Officer of VX-5; Cdr. C. D. Brown, head of the Command Administration Department; Bill Davis, director of the Security Department, and Cdr. G. B. Bailey, NAF Operations Officer.

Davis was honored by Special Services and the Command Administration Department for six years of outstanding devotion and dedication to the Joint Navy-Civilian Recreation Council. Davis resigned recently from the council when he assumed his present post.

Throughout the evening, Imer

(Continued on Page 7)

NAF Hawks Drop To Ensigns, 75-65 First Cage Tilt

The NAF Hawks basketball team, undoubtedly feeling the loss of star center Lee Bess, who completed his tour of duty in the U.S. Navy last week, dropped their first game of the season in the China Lake Intramural Basketball League to a fired-up Ensigns cage squad Tuesday night, 75-65.

The loss left the Hawks in a first place tie with the Blazers. Each team has one loss.

Dale Christenson tallied 30 points to lead his team to victory, while Ron Black scored 20 for the Hawks in a losing effort.

Gordy Irvin dumped 30 points through the basket to lead the Loewen's Lions quintet over the Continental Telephone five, 78-64, in the opening Division A contest Tuesday.

(Continued on Page 7)

Sign-ups For Volleyball To Begin Monday

Registration for the 1973 NWC Intramural Volleyball League opens Monday and will continue through Friday, March 9, in the Center gymnasium.

Within this adult league (18 years of age or older) there will be three divisions of play: Division A, for men who have experience and are knowledgeable of the game; Division B, for those who are less experienced, and a women's division.

In addition to these three categories, a varsity volleyball team will be formed, patterned after the All Star Varsity Basketball team. This group of men will practice and play together in preparation for the upcoming MDISL volleyball competition, slated March 10-11 at the 29 Palms Marine Corps Base.

The Monday following the close of the league registration (March 12), a meeting of prospective team captains will be held at the Center gym at 4:30 p.m. Schedules and rule books will be distributed at that time.

Team rosters should be turned in to Bill Nicol, NWC ext. 2334.

Seregow-Moreno Win Handball Doubles Crown

Paul Seregow and Rudy Moreno teamed up to win the NWC Doubles Handball Tournament by defeating Joe Reese and Bill Walden in two out of three sets this past Tuesday at the Center's handball court.

Reese and Walden took an early 8-0 lead in the first game, but the champions hit well-placed ceiling and kill shots to overtake them and win 21-18.

Reese and Walden were fired up for the second matchup and overcame a 7-0 deficit with solid playing to emerge victors by a score of 21-11, thus forcing a third and deciding contest.

The eventual champions sailed to an early 9-0 lead, and won the last match and the crown by posting an easy 21-10 victory.

200 Junior Bowlers Vie In City Tourney

The annual junior bowlers' City Tournament came to a close recently and the final results show that more than 200 young bowlers competed in three divisions.

The H.C.B.'s plus D, composed of Kenny Heeke, Lance Brode, Mike Burmeister, Mary Clark and Scott Diede, took first place in the Junior-Senior Division's team event with a handicap total of 2898. The Stone Rookies were second with 2892. Rolling for the second place team were Mike Frederick, Mike Lindsey, Todd Andreason, Leo Enriquez and Gary Kuzmin.

First place in the Bantam Division was garnered by the Fantam Bantams with 1879 total. Craig Stitt, Mark Bond, Gordon Zurn and Larry Robbins are the team members.

Russ Preul, Mike Titus, Bob Branson and David Furstenberg, competing under the banner of Fursty's Burgers, were second in the Bantam classification with a three-game total of 1846.

The Little Giants' category was

(Continued on Page 7)



AFRO-AMERICAN WEEK PROCLAIMED — A joint proclamation designating the period of Feb. 11-17 as Afro-American History Week was signed by Rear Admiral Henry Suerstedt, Jr. (seated at left), Commander of the Naval Weapons Center, and by Vice-Mayor J. Elliott Fox on behalf of the City of Ridgecrest. Others present for the ceremony, which took place in RAdm. Suerstedt's office, were (from left) Ron Rossi, Bettye Rivera, Hap M. Lawlor and C. E. Van Hagan. Rossi and Mrs. Lawlor are representatives of the Human Relations Committees of the China Lake Education Association and the Desert Education Association, respectively; Mrs. Rivera, coordinator of Afro-American Week, is also second vice-president and education chairman of the IWV Branch of the National Association for the Advancement of Colored People, while Van Hagan is chairman of NWC's Equal Employment Opportunity Committee.

—Photo by PHAA Shellie K. Borders

Joint Proclamation Issued On Afro-American History Week

A joint proclamation designating the period of Feb. 11-17 as Afro-American History Week in the Indian Wells Valley has been issued by Rear Admiral Henry Suerstedt, Jr., Commander of the Naval Weapons Center, and J. Elliott Fox, vice-mayor of the City of Ridgecrest.

Throughout the coming week, public schools and libraries in the local area will concentrate attention on little known, but important, contributions of Afro-Americans to U.S. history.

Film strips emphasizing this aspect of American history will be shown in social studies classes through high school level, while the attention of elementary school youngsters will be focused on spirituals and songs depicting the struggle of Afro-Americans beginning with the early days of slavery in this country.

Throughout this month at the Naval Weapons Center library, all books pertaining to Afro-American art, history and literature have been placed in one convenient location, and there also will be special announcements over Radio Station KLOA and in newspapers distributed in the local area pertaining to Afro-American History Week.

This special week includes the birthdays of two great champions of freedom, Abraham Lincoln and Frederick Douglass, it was noted by Mrs. Bettye Rivera, a teacher at Vieweg Elementary School, who is the local coordinator for the 1973 observance of Afro-American History Week.

Mrs. Rivera is also chairman of the China Lake Education Association's Human Relations committee and is second vice-president and education chairman of the Indian Wells Valley Branch of the National Association for the Advancement of Colored People.

Douglass, born into slavery, escaped to become a leading spokesman for Negroes in the mid-1800s. It was his story of slavery, as written in his "Narrative of



NWC and City Of Ridgecrest Joint Resolution

WHEREAS Afro-Americans have made outstanding but little known contributions to the History of the United States;

WHEREAS an appreciation of this heritage and contribution is essential to the development of a sense of worth and pride in any group;

WHEREAS an understanding of the contribution of other groups is essential to the development of better intergroup relations on the part of all American youth and adults; and

WHEREAS Afro-American History Week has been observed in most AMERICAN Communities since 1926 during the period which includes the birthdays of those two great champions of freedom, Abraham Lincoln and Frederick Douglass.

Now, we therefore declare 11-17 February 1973 be designated as Afro-American History Week in the Indian Wells Valley.

SIGNED:

H. SUERSTEDT, JR. Rear Admiral, USN Commander, Naval Weapons Center	J. ELLIOTT FOX Vice Mayor City of Ridgecrest
--	---

Frederick Douglass, An American Slave," that helped persuade many northerners to support the abolitionist cause.

Following his escape from slavery at the age of 21, Douglass embarked on a public career as an orator and journalist and later was elevated to the post of consul general to the Republic of Haiti.

The long-neglected field of Afro-American history was opened to scholars chiefly through the efforts of Dr. Carter G. Woodson, who became convinced, early in his life, that if a race had no recorded history, its achievements would be forgotten and finally claimed by other groups.

In 1915, Dr. Woodson organized the Association for the Study of Afro Life and History, and a year later started the Journal of Negro History — a scholarly journal that set the pace for research in this area.

When he died in 1960, Dr. Woodson left his estate to the Association for the Study of Afro-American Life and History in order that the work he had started could be continued.

Bluejacket...

(Continued from Page 1)
completed last season on the VX-5 flag football team.

"The Navy is a fine career and has been good to me and my family," Johnson said. "I feel a responsibility to my fellow sailors and to the Navy in general, so I've served at VX-5 as the minority affairs petty officer for the past year," he added.

Being stationed at China Lake has been a unique experience for the city born and bred Bluejacket. "We have done a lot of sightseeing and both Pat and I think that the area is really beautiful," Johnson commented.

Rockeye II Developed at NWC ...

(Continued from Page 1)

about the Rockeye II weapon system at various stages of its development.

Analysis work and effectiveness studies were carried out by Mel Keith, head of the Code 403 Analysis Branch, and by E. P. Breitenstein. The shaped charge for the MK 118 bomblet was developed by Moyle Braithwaite, while the MK 7 dispenser evolved under the direction of Mike Aley, who later became the program coordinator under the DAPM concept.

Duties of head of the Rockeye II branch were handled by Tony Simshauser, who was succeeded in 1965 by Tom Hayes. Upon implementation of the DAPM concept, Hayes assumed the responsibilities of DAPM for the Rockeye II program. Irv Koff became the Rockeye II project engineer and assumed responsibilities for technical coordination of all weapon developmental effort at NWC and other field activities.

Three years of refinement, flight testing work and development of prototypes went into the Rockeye II weapon system from 1965 (when the Deputy Assistant Program Manager Concept began) to 1968. In addition, tests were carried out at the Naval Air Test Center, Patuxent River, Md., to determine the maximum limits of speed and dive angle for proper and safe separation of the weapon from the various type aircraft scheduled to carry it.

Once the allowed speed and dive angles for safe use of the weapon were determined, Air Test and Evaluation Squadron Five (VX-5) picked it up from there, confirmed the suitability of the weapon and developed the tactics for its use.

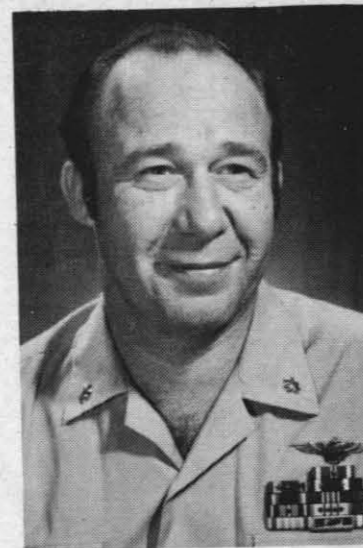
While NWC scientists and engineers worked on development of the Rockeye II weapon system, after its feasibility had been determined, a contract for the development of production tooling was awarded to Honeywell, Inc., of St. Louis Park, Minn., whose employees had also worked on the designs for the dispenser, the bomblet and the fuzing system for the bomblet.

Rockeye II was released to pilot production early in 1967 and this phase of the program continued for five months with Honeywell, Inc., supplying metal parts and sub-assemblies to the Naval Ammunition Depot at Crane, Ind., for explosive loading and final assembly of weapons.

The pilot production contract called for 535 weapons—either full tactical weapons or practice weapons with dummy bomblets. Scheduled quantities of these weapons were supplied to the Naval Air Test Center and VX-5 for evaluation purposes followed by the delivery of 145 tactical weapons to the Fleet on a priority basis.

Production of the weapon has been continuous with periodic increases in the scheduled monthly delivery rate. The Marquardt Corporation was awarded a contract in mid-1971 as a second source manufacturer.

In addition to production and Fleet support activity at NWC, effort has been under way to provide an improved MK 7 dispenser for the weapon. Firm plans for the manufacturer of the new dispenser have not been established.



ASSIGNED TO NAF — Cdr. Frank V. Pesenti recently returned for his second tour at the Naval Air Facility, and has been assigned the duties of project officer, replacing Cdr. H. M. (Matt) Moore. A 20-year Navy veteran, Cdr. Pesenti was transferred here from duty with the 7th Fleet staff aboard the Cruiser USS Oklahoma City, where he served as nuclear warfare officer. Trained as a naval aviator, after being graduated from the NROTC program at UCLA in 1955, Cdr. Pesenti's active duty in the Navy has included two combat cruises off Vietnam with squadrons flying from the Aircraft Carriers Coral Sea and Ticonderoga. He was accompanied to China Lake by his wife, Pam, and their three children—two daughters, Kimberly, 4, and Diana, 3, and a son, Christopher, who is 1 year old.

Catholic Chaplain Announces Classes

Chaplain Aquinas Smith will begin a six-week Catholic instruction class on Wednesday at the All Faith Chapel from 7 to 8 p.m.

All persons interested in attending are asked to call the Chaplain's office, NWC ext. 3506.

Unification...

(Continued from Page 1)

a member of the board of trustees of the IWV Union School District. Selection of the advisory council took place last week during a special joint meeting of the two local school boards.

Plans call for expanding the advisory council on unification of schools, which already has the staff assistance of administrators from both the China Lake Elementary and IWV Union School Districts, to include a co-chairman from each of the two districts. Their duties will be to direct the information program and school unification campaign.

In addition, the possibility will be explored of finding a third co-chairman from the Rand School District which, along with Burroughs High, also is included in the proposed unified school district.

A number of sub-committees will be organized by the school unification campaign advisory council to handle such details as budget and finance, the formation of a speakers' bureau, and publicity.

At the present time, the advisory council is seeking the names of all interested citizens representing divergent viewpoints on the school unification question to serve on various sub-committees.

Particular importance has been placed on the inclusion on sub-committees of personnel from Burroughs High School, as well as certificated (teachers) and non-certificated employees of all local school districts, since it is the aim of all concerned to include the widest possible cross-section of views among those who will be digging out and presenting information to voters on the school unification question.

It is the general feeling of the advisory council on school unification that while such a move is not an all-purpose solution to every educational problem faced by the local area, it is worthy of everyone's consideration. Therefore, emphasis will be placed on attempting to make sure that when voters go to the polls on May 1 to cast their ballots they will have been brought up to date on all ramifications of this question and can then make a decision that will be an accurate reflection of the way a majority of local residents feel on this important matter.

Advisory council members have urged and invited anyone with a particular question or questions on the subject of unification of schools, either now or as the information campaign progresses, to contact local school trustees or the superintendents of either the China Lake Elementary or Indian Wells Valley Union School Districts, who will make sure that any queries or doubts about the school unification proposal are answered.

'Quake Study...

(Continued from Page 1)

ternational group to OAS and the World Bank.

Previously, in 1965, Dr. St. Amand went on a similar mission for OAS to the South American country of Chile. During his month-long stay on that occasion, Dr. St. Amand advised the Chilean government on setting up a plan for anticipating and dealing with geologic hazards.



HERE FOR TRAINING DUTY — A group of reserve officers who are members of Naval Air Systems Reserve Units are now at the Naval Weapons Center for training duty in connection with a study on the cost of producing a new fuze for the Sidewinder air-to-air guided missile. The reservists who are part of a task force assigned to make a value engineering study of the AIM-9L proximity fuze are Cdr. J. J. Kral (seated) and standing (l.-r.) Cdrs. G. A. Twist, S. P. Ramsey, W. H. Ellis, R. B. Phinizy and V. N. De Vito. —Photo by PHAN D. M. Jeneraux

Study Under Way on Cost Of Producing Sidewinder Fuze

Sixteen engineering experts from industry, the Department of Defense and Naval Reserve officer groups are now at the Naval Weapons Center for the purpose of conducting a design-to-cost study of the Sidewinder AIM-9L fuze.

Hosted by the NWC Fuze Department, the task force is reviewing each element of the design, and confirming the design-to-cost requirements in order to provide NAVAIR with greater confidence in the production cost of the fuze.

The Navy is the development service for the joint Navy-Air AIM-9L air-to-air guided missile. Include in the development is the proximity fuze DSU-15-B.

"This is the first time this type of task force has been composed of

talent from such widely diverse sources," Jim Willis, the Fuze Department host, stated. Under the direction of the DOD Product Engineering Services Office (represented by R. D. Gilbert), the group includes representatives from NWC, Harry Diamond Laboratories, Eglin Air Force Base, RCA, and the contractor, Santa Barbara Research Center.

The group's engineering expertise also has been extended by the assignment of members of Naval Air Systems Reserve Units here for two weeks of training duty.

A total of 35 individuals are expected to participate some time during this study, which began on Jan. 22 and will continue to March

9. Included in the group are three NWC Fuze Department employees, in addition to Willis, and one employee from the Engineering Department.

The DOD engineering office was asked to study the produceability of this new fuze for the Sidewinder AIM-9L, estimate its cost of production, and make design change recommendations.

Production quantities should be significant, since the AIM-9L will replace present versions of the Sidewinder guided missile in both the Navy and Air Force.

Representatives of Naval Air Systems Reserve units new at China Lake are Cdr. R. B. Phinizy, president of Genisco Technology; Cdr. V. N. DeVito, of Grumman Aerospace; Cdr. G. A. Twist, of Philco Ford; Cdr. S. P. Ramsey, owner of Ramsey Engineering; Cdr. W. H. Ellis, a professor from the University of Florida, and Cdr. J. J. Kral, of McClellan Air Force Base.

Other NASRU officers are expected from ITEK, GTE Sylvania, the Scripps Institute of Oceanography, Caltech and Port Hueneme.

Industrial representatives who will join in the study are John Calandro, program manager for the Santa Barbara Research Center (a subsidiary of Hughes Aircraft), Lee Gardner and John T. Soule, of Hughes, and Ralph Hill, of RCA.

Others from the DOD Product Engineering Services Office who will participate in the study are H. K. MacKechnie and S. W. Lange, and there are three representatives of the Harry Diamond Laboratories. They are R. G. Humphrey, D. D. Dolgner and R. M. Spickler.

NWC employees who are helping Willis host the visitors are R. T. Ferguson, R. R. Emerson and Harold Jaeger, of the Fuze Department, along with Arthur Gross, of the Electronic Systems Department.

2 Employees Receive NWC Fellowships

Fellowships to attend the University of Southern California in order to complete the requirements for a master's degree have been awarded to Jon H. Bumgardner, an engineer in the Weapons Control Branch of the Systems Development Department's Technology Development Division, and to Carl S. Kumano, also an engineer, who works for the Track Branch of the Engineering Department's Ground Operations Division.

Bumgardner has been employed at China Lake since Jan. 15, 1968,



Jon H. Bumgardner and holds a BSEE degree from Washington State University, Pullman, Wash. He is seeking a master's degree in electronics engineering (communication) from USC.

Bumgardner and his wife, Sally, have two sons, James and Jason. Bumgardner lists his hobbies as camping, photography, narrow-gauge railway, hiking, furniture making and says he is a hi-fi "bug."

Kumano received his bachelor's degree in mechanical engineering



Carl S. Kumano from Fresno State College in 1969 and joined the Engineering Department in July of that year. He seeks a master's degree in mechanical engineering.

Kumano is a bachelor and lists his only hobby as photography.

'Tempos' To Play At Dance Tonight

Music by the "Tempos" will be featured at a Valentine's Dance tonight from 9 p.m. to 1:30 a.m. at the Commissioned Officers' Mess. Dan Lydon's musical group will play standards and pop tunes for COY members and their friends, Roy Jacques, manager of the Officers' Club, announced.

From the Desk of CNO

Outline Presented of Cost Avoidance Actions Taken

A message summarizing the impact on personnel programs of cost avoidance actions taken over the past several months, and aimed at providing insight into the expectations for Fiscal Year 1974 has been received from Admiral E. R. Zumwalt, Jr. Chief of Naval Operations in Washington, D.C.

The actions taken in Fiscal Year 1973 were necessary because of rising costs and budgetary pressures in the Military Personnel Navy (MPN) account. They include an extended early out program for enlisted personnel, a severe slowdown in officer and enlisted promotions, stringent curtailment of permanent change of station (PCS) moves, reduction in some re-enlistment incentives, and cutbacks in school training.

A summary of these actions, with an assessment for the future, follows:

Promotions — Virtually all enlisted petty officer advancements and most officer promotions have been deferred until June. Plans call for a return to normal promotion flow for both officer and enlisted personnel in Fiscal Year 1974. However, the promotion point for lieutenant junior grade and lieutenant will remain at 2 years and 4 years, respectively.

Early Releases — The current 3 month general early release program for enlisted personnel will continue for the remainder of this fiscal year unless funding relief becomes available. No general early release is currently planned for either officers or enlisted personnel in Fiscal Year 1974.

Entitlements — The revision to early re-enlistment policies and the change to pro pay entitlements are expected to remain in effect through Fiscal Year 1974.

Permanent Change of Station — On July 1, it is planned to lift some of the restrictions which have delayed personnel from scheduled rotation, as well as grant more favorable consideration of personal duty preferences. Those policies which favor stability and family life through repetitive tours in the same geographic area will remain in effect. Officers who, because of PCS constraints, have been held in an area as a temporary measure pending assignment to a permanent duty station will be given priority for PCS moves in Fiscal Year 1974. The delay in moving will not in itself affect career development or promotion opportunity.

Subsistence — A NAVOP message of January 1973 suspended requisitioning of high cost luxury and convenience food items, and directed reduced consumption of other high cost subsistence items. As a result of the rising costs of food, the pressures against the subsistence budget is expected to continue into Fiscal Year 1974. Nevertheless, it is hoped that the imposed suspension can be eased, if prices stabilize, and normal procurement practices resumed.

Training — Incident to the reduction in enlisted strength, it has been necessary to limit Class "A" School attendance and other specialized training. To the best of the Navy's ability within limited funds, full utilization of Class "A" Schools in Fiscal Year 1974 is planned, as well as productive employment of specialized Class "B" and "C" Schools. Increased Fleet input to these schools, particularly Class "A" Schools, will be required. Therefore, Fleet personnel are encouraged to make early application for the school of their choice.

The message from Admiral Zumwalt continues: "Increased funding is being aggressively pursued. We did realize some funding relief during the recent budget review process, without which the situation would be even more serious. I will continue to press for relief and should it be forthcoming it may be possible to restore some promotions, reduce early releases and ease some of the harsh PCS actions we have had to take."



PATENT AWARDS PRESENTED—Shown with Dr. Hugh W. Hunter (right), head of the Research Department, are four of his employees who were recently granted patent awards. They are (l.-r.) Dr. Richard S. Hughes, Anthony San Miguel, Dr. William P. Norris and Dr. Arnold T. Nielsen. Dr. Neilsen was presented a \$100 allowability patent award, while Dr. Norris received a \$50 holding patent award for patents that cover ferrocene containing compounds which can be chemically bonded to rocket propellants to increase the burning rate. The patents also improve storage and safety characteristics of the compounds. San Miguel was awarded \$50 for "A Method for the Elimination of a Cartridge Rim," and Dr. Hughes also received \$50 for his invention, an "Automatic Night Search and Rescue System."

PROMOTIONAL OPPORTUNITIES

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storage or issue of supplies. Receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. Minimum Qualification Requirements: Rating will be on the basis of existing J elements standards in accordance with CSC X-118C. Applicants must submit a supplemental experience statement. Forms can be picked up in Room 202, Personnel Department, Advancement Potential: WG-3 to WG-4 or WG-5; WG-4 to WG-5.

Equipment Specialist (Automotive), GS-1670-5-7, PD No. 14538AmI, Code 25913 — issues material, provides for identification of materials required for repair of automotive vehicles; determines interchangeability or substitution of items in stock; makes analyses of equipment repairs to determine feasibility; maintains custody of materials. Minimum Qualification Requirements: Three years of technical, trade or craft experience related to the automotive field for the GS-5 and GS-7 level, and one year of experience in an advisory, analytical, technical, professional or trade and craft capacity which provided a thorough, practical knowledge of specific equipment or types of equipment in the automotive area for the GS-7 level. Job Relevant Criteria: Experience in the item identification field, automotive parts background or extensive experience in the use of commercial and Navy stock catalogues is necessary. Knowledge of auto mechanics terminology is required. Practical knowledge of overhaul, maintenance and repair of equipment is also required. Advancement Potential: GS-5 to GS-7.

File applications for above with Claire Lewis, Bldg. 34, Rm. 202, Ph. 272. **Budget Technician**, GS-501-5-4, or 7, Code 172-173, PD No. 7317004 — This position will be organizationally in Central Staff and physically located in a department staff office of a technical department. This position will provide budgetary-fiscal and financial management services to a technical department. This position will be responsible for reporting of financial operations as required. Duties will include budget preparation and planning, control of expenditures, and preparation of financial reports. Job Relevant

File applications for above with Dora Childers, Code 457, Bldg. 34, Rm. 216, Ph. 3032. **Ordnance Learner**, WG-451-1-1, 1 Vacancy, JD No. 287-4, Code 4541 — This position is located in the Explosives Branch, Applied Research and Processing Division of the Propulsion Development Department. This position will consist of training in the following categories: plastic molding, propellant machining, propellant mixing and casting, inhibiting, igniter fabrication, extrusion, block pressing, rocket motor loading, disassembly and reassembly of rocket motors (modified), grinding of raw materials for processing of propellant, cleaning hardware and returning to stock. This position is covered by a training program. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow directions in shop, dexterity and safety, ability to work as a member of a team. Minimum Qualification Requirements: As defined in CSC Handbook X-118C. Advancement Potential: To the position of Ordnance Learner (A-E-A), WG-451-1-2, 2 Vacancies, JD No. 287-4, Code 4545 — This position is located in the Propellants Branch, Applied Research and Processing Division of the Propulsion Development Department. This

Criteria: Knowledge of NIF budgetary process. Ability to analyze financial data related to NWC budgetary system. Knowledge of NWC accounting systems. Minimum Qualification Requirements: As defined in CSC Handbook X-118. **File applications for above with Mary Morrison**, Code 457, Rm 212, Ph. 2371. **General Engineer, Mathematician or Physicist**, GS-9-11-12 or 13, PD No. 7330006, Code 3004 — This position is that of a systems analyst working with the Technical Director for Advanced Systems in the definition and synthesis of candidate weapon systems for Anti-Ship Missile Defense. Job Relevant Criteria: Experience in weapon system analysis, system simulation, and operational effectiveness. Must have a basic understanding of guidance and control techniques. Familiarity with NWC simulation facilities and capabilities. Minimum Qualification Requirements: As outlined in X-118.

File applications for above with Dora Childers, Code 457, Bldg. 34, Rm. 216, Ph. 3032. **Ordnance Learner**, WG-451-1-1, 1 Vacancy, JD No. 287-4, Code 4541 — This position is located in the Explosives Branch, Applied Research and Processing Division of the Propulsion Development Department. This position will consist of training in the following categories: plastic molding, propellant machining, propellant mixing and casting, inhibiting, igniter fabrication, extrusion, block pressing, rocket motor loading, disassembly and reassembly of rocket motors (modified), grinding of raw materials for processing of propellant, cleaning hardware and returning to stock. This position is covered by a training program. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow directions in shop, dexterity and safety, ability to work as a member of a team. Minimum Qualification Requirements: As defined in CSC Handbook X-118C. Advancement Potential: To the position of Ordnance Learner (A-E-A), WG-451-1-2, 2 Vacancies, JD No. 287-4, Code 4545 — This position is located in the Propellants Branch, Applied Research and Processing Division of the Propulsion Development Department. This

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925. The Defense Contract Administration Services Region is currently recruiting to fill vacancies in the Los Angeles Region Headquarters and in the Los Angeles, Van Nuys, Pasadena and Anaheim District Offices for the following positions: Accounting Clerical, GS-3-4-5-6; Computer Operator, GS-5-6; Computer Technician, GS-9; Card Punch Operator, GS-3; Contract Administrator, GS-9-11; Contract Price Analyst, GS-11; Industrial Specialist (General), GS-9-11; Industrial Property Management Specialist, GS-9; Clerk Stenographer, GS-3-4; Clerk Typist, GS-2-3; Secretary (Stenographer), GS-5; Management Analyst, GS-11; Packaging Specialist, GS-11; Explosives and Pyrotechnics Inspector, WG-7 (position in Saugus, California); Quality Assurance Specialist (Metrology), GS-11; Quality Assurance Specialist (Electronic), GS-7 (position in Phoenix, Ariz.); Quality Assurance Specialist (Electronic).

Status applicants interested in consideration for positions in the above, or related fields, should forward SF-171 to Civilian Personnel Office, DCASR-Los Angeles, 11099 So. La Cienega Blvd., Los Angeles, Calif. 90045. Information concerning employment prospects in other positions may be obtained by calling A.C. 213, 443 plus any of the following extensions: 1074; 1076; 1838; 0606; or 0398.



3 YOUTHS MAKE EAGLE SCOUT — A special Court of Honor was held on Jan. 31 in the East Wing of the All Faith Chapel for the purpose of presenting Scouting's highest honor—the Eagle Scout badge—to three local youths. The award recipients (l.-r.) Gary Bennett of Troop 801, John Kleinschmidt of Troop 41, and Fred Thornberry of Troop 848, are shown with Leon Nelson (at left), Boy Scout District executive, who served as master of ceremonies at the Eagle Scout Court of Honor, and (at right) G. H. Hillebrand, chairman of the Desert Scout District, and Capt. R. E. Osman, Naval Weapons Center chaplain. Both Bennett and Kleinschmidt are 17 years old and have been Boy Scouts for six years. They are the junior assistant scoutmasters of Troop 801 and Troop 41, respectively. Thornberry, 13, joined Troop 35 in Corona in April 1970 and transferred to Troop 848 in Ridgecrest the following December when his family moved to this area. He has been a senior patrol leader of Troop 848. All three Eagle Scouts are members of the Order of the Arrow, honor camping society of the Boy Scouts of America.