



HALLOWEEN PARTY PLANNED — Jeff Krausman (dressed as a pirate), a 12-year-old student at Monroe Junior High School, and Isaac Curran (disguised as Darth Vader), a 6-year-old pupil at Las Flores Elementary School, are prepared for the Halloween party that will be held on the evening of Oct. 30 at the Youth Center skating rink. This event, for young people between 6 and 17 years of age, is planned from 6:30 to 9:30 p.m. The \$1.50 price of admission includes the roller skate rental fee. The evening's activities will include games and a costume contest. Socks must be worn by all those wish to go roller skating.

Curtain rises tonight on CLOTA production 'Passion of Dracula'

The Community Light Opera and Theatre Association production of "The Passion of Dracula" opens tonight at 8:15 at the Burroughs High School Lecture Center. Additional performances are scheduled both tomorrow night and next Friday and Saturday, Oct. 30-31, at the same time, with a matinee slated on Halloween (Saturday, Oct. 31) at 1 p.m.

Tickets are priced at \$3.50 for adults and \$2.50 for students, enlisted military and senior citizens for all performances.

After the matinee performance on Oct. 31, a make-up session will be held for those who are interested in making up for Halloween.

Patrick Plugge has been cast in the lead role of Count Dracula. He is new to Ridgcrest. Also new to Ridgcrest is Tina K. Dillard, who will portray the lovely Wilhelmina.

The role of Jameson, the butler, is also being filled by someone new to CLOTA productions. Bernie Stewart, who has that role, is a medical corpsman at the NRM Branch Medical Clinic. (His work there is as an X-ray technician, not a hematologist.)

Cast in the role of the compassionate Van Helsing is Greg Cote, and Steven J. Carter plays the disturbed Renfro. Other members of the cast are Rus Stedman as Lord Godalming, Jerry Smith as Jonathan Harker, Tricia Siegel as Helga, and Art Owens as Seward.

The director for "Passion of Dracula" is Tom Lehmann.

Reflective tape available for Halloween costumes

To be sure that tiny witches, ghosts and goblins are visible to motor vehicle drivers, the Safety and Security Department is offering pieces of reflective tape to be stuck on their costumes.

The tape may be picked up from Billy Hise at the Safety Office, corner of Nimitz and Hussey.

MOVIES

REGULAR STARTING TIME 7:00 P.M.

FRIDAY OCT. 23
"FATSO"
Starring
Dom DeLuise and Anne Bancroft
(Comedy-Drama, rated PG, 94 min.)

SATURDAY OCT. 24
2 and 7:30 p.m.
Burroughs Band Boosters
"MAGIC THROUGH THE AGES"
SUNDAY, MONDAY OCT. 25, 26
"TESS"
Starring
Wastassia Kinski and Peter Firth
(Drama, rated PG, 172 min.)

WEDNESDAY OCT. 28
"ALICE IN WONDERLAND"
(Animated-musical, rated G, 75 min.)

FRIDAY OCT. 30
"THE INCREDIBLE SHRINKING WOMAN"
Starring
Lilly Tomlin and Charles Grodin
(Comedy, rated PG, 89 min.)

Community orchestra concert to feature 7 young violinists

A feature of the first regular Cerro Coso Community College/Desert Community Orchestra concert of the new school year scheduled on Sunday afternoon will be seven Suzuki violinists performing the Vivaldi Concerto in A Minor for violin and string orchestra.

The concert, which begins at 4 p.m., will be held in the Cerro Coso College lecture hall. Admission for students, senior citizens and enlisted personnel is \$2, and \$3 for general admission.

The seven Suzuki violinists are all students of Shirley Helmick, and range from 8 to 11 years of age. They include Lisa Elliott, Kristina Kneppshield, Chamomix Shull, Patsy Ivanivsky, Paula Harvey, Bonnie McKenzie, and Stephanie Rainwater.

The Suzuki violin method, developed by Dr. Shinichi Suzuki, develops a child's skill at playing an instrument from a very young age, and this "talent education" applies not only to knowledge or technical skill but also to morality, building of character, and appreciating beauty.

Other works to be played by the orchestra include those of Nicolai, Schubert, Goldmark, and Massenet. Conductor for the concert is Dr. Walter Unterberg.

U.S. Recording Companies fund in whole or in part the instrumental music for this performance, as arranged by Local 263 American Federation of Musicians.

PW is now turning on heat in housing units

The Utilities Division of the Public Works Department is in the process of turning on the heat in Center housing, but due to early cold weather, some residents may be uncomfortable.

Residents who need their heating units turned on to avoid discomfort may telephone the PW switchboard, 3411, and ask for ext. 327 or 322 to make an appointment for this service.

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From: _____

To: _____

PLACE STAMP HERE

RAdm. Busey to address meeting of military comptrollers group

Today is the last day to make reservations for the annual dinner meeting of the American Society of Military Comptrollers, which is scheduled next Wednesday, Oct. 28, at the Commissioned Officers' Mess.

Reservations are going fast because of the interest engendered by the guest speaker, Rear Admiral James B. Busey, Deputy Chief of Naval Material for Resources Management (MAT-01), who will also install new officers of the organization.

RAdm. Busey has spent much of his military career as a pilot earning a Navy Cross for his combat action in Vietnam. He won his first Legion of Merit for his work as Strike Plans Officer, when he was involved with planning and directing the aerial war over Vietnam.

His second Legion of Merit was awarded for his work during the time that he served from 1972 through 1974. He has also served as Auditor General of the Navy.

Magic show slated at Center theater by Band Boosters

Burroughs Band Boosters will present "Magic Through the Ages," tomorrow at 2 and 7:30 p.m. at the Center theater.

Loran Swensen, a graduate of Burroughs High School, will be here with his company, Swensen Productions, to delight audiences with a 2-hour magic show featuring over 26 illusions starting with Merlin the Magician and ending with a big surprise.

Swensen has appeared throughout the United States and in Great Britain, and recently completed a stand at the Sahara Hotel in Las Vegas.

Price of admission is \$3 for adults, \$2 for enlisted military personnel, senior citizens and students. Children under 5 years of age will be admitted free when accompanied by an adult. A special \$10 ticket is offered to families. It is good for admission of up to six members of a single family.

Tickets can be purchased in advance from Burroughs High band members, at the Music Man in Ridgcrest, or can be ordered by calling 375-5640 or 446-2148. Tickets also will be on sale at the Center theater box office prior to each performance tomorrow.

School in Monterey, Calif., and also holds both a bachelor's and a master's degree in management from the PG School.

Immediately prior to his being appointed Auditor General of the Navy in 1978 he was Commanding Officer of the Naval Air Station at Lemoore, Calif.

The dinner, which begins at 7, will be preceded by a social hour at 6 p.m. Cost of the dinner is \$8.50 per person. Reservations may be made by telephoning either Paul Copeland, NWC ext. 2141, or Sandra Drake, NWC ext. 7325 or 7359.

Weekend Roundup

The Sierra Craft and Guild started its 1981 Christmas show and sale in the Community room at the Desert Counseling Clinic at 814 N. Norma yesterday.

The show will continue until 8 o'clock tonight, and resume tomorrow from 9 a.m. to 5 p.m. and on Sunday from 10 a.m. to 4 p.m.

Some of the arts and crafts work that will be featured are glass work, pottery, fabric art, enamels and weaving, painting, fiber art, and linoleum block printing.

The Commissioned Officers' Mess is holding a Membership Night party tomorrow evening from 6:30 to midnight. "Walls of Fire," will be providing the musical entertainment for members and guests who have their reservations.

The Community Light Opera and Theater Association's production of "The Passion of Dracula," will be presented tonight and tomorrow night at the Burroughs High School lecture center starting at 8:15.

Price of admission for this pre-Halloween show is \$3.50 for adults and \$2.50 for students, enlisted military personnel and senior citizens.

There will be a "Shipwreck Dance" at the American Legion Hall, 641 Inyokern Rd. Ridgcrest, tomorrow night starting at 8:15. The cost of the dance is \$7 per person.

The Associated Students of Cerro Coso Community College are sponsoring an evening of musical entertainment tomorrow, starting at 8 o'clock, in the college lecture hall.

Two talented young women, Deborah Liv Johnson, a graduate of Burroughs High School, and Cathy Curtis, a graduate of Shenandoah College and Conservatory of Music in Virginia, will sing and play their own original works, as well as selections of contemporary, country, blues, and folk music.

General admission is \$2; ASCC card-holders, \$1.50; and senior citizens and children 14 years of age and under, \$1.

Vieweg Elementary School has scheduled a Halloween Carnival tomorrow from 11 a.m. to 3 p.m. All interested persons are invited to attend.

Highlights of this year's carnival will be a haunted house, with Dracula in residence; game booths; a fortune teller; a make-up booth entitled "Beauty or a Beast"; an auction at 1 p.m. with gifts donated by Ridgcrest merchants; a tattoo artist; a white elephant booth; and a bake shop.



NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA



VX-5 HOLDS OPEN HOUSE — An open house in conjunction with the local observance of the Navy's 204th birthday was held last Friday morning by Air Test and Evaluation Squadron Five (VX-5). This event was planned for the family members and friends of VX-5 personnel, who seldom have the opportunity to visit Hangar 1 at Armitage Airfield. Inside the hangar there were static displays of aircraft that were identified by display boards, and VX-5 personnel stood by to answer questions about the Navy's finest light attack aircraft. Highlight of the open house was an air show demonstrating the low altitude maneuverability of the AV-8C Harrier, the A7E Corsair II, the A4M Skyhawk, and the A6E Intruder — the four aircraft shown in tight formation as they roared by overhead. Especially interesting to visitors at the open house was the Royal Air Force Buccaneer that was among the aircraft on static display. Flight Lt. Andy Hext, a member of the RAF's 12th Squadron, can be seen responding to questions of two youngsters who are examining the cockpit of this aircraft. — Photos by Don Cornelius

AK2 Chiu is Bluejacket of Month for NWC

Aviation Storekeeper Second Class Jimmy Chiu has been selected as the Naval Weapons Center Bluejacket of the Month for September.

Petty Officer Chiu has been assigned to the Aviation Supply Division of the Supply Department since his arrival at China Lake in June of last year, and has held three different jobs during that time.

The letter nominating AK2 Chiu for this honor, written by Lt. J. D. Martin, states that Petty Officer Chiu has demonstrated a unique ability to perform his assigned duties and achieve outstanding results regardless of the difficulty of the assignments. It notes also that he has received many compliments from his customers for the assistance and "can-do" attitude that he displays.

The letter also states that AK2 Chiu is (Continued on Page 4)



AK2 Jimmy Chiu

Suit filed against Navy by 3 animal protection gps. dismissed by court Tues.

The suit brought against the Navy by the Fund for Animals, Animal Protection Institute and Attorneys for Animal Rights was dismissed in U.S. District Court in Fresno on Tuesday.

In the out-of-court settlement, the Fund for Animals agreed to hire and pay for wranglers to remove burros from the 275-square-mile emergency reduction area of the Naval Weapons Center.

This is the area in which burros pose a threat to the safety of Naval aviators using the Center's aircraft runways and to drivers on the Center's inner test range roads. The suit was brought to keep the Navy from shooting burros found in this area.

The Fund for Animals also agreed to post a \$5,000 performance bond to reimburse the Navy for any costs that the Navy entails in clearing burros out of that area if the Fund for Animals is not able to do so.

In exchange, the Navy agreed to pay the Fund for Animals \$50 per burro for all animals that are removed by that group. This is the nominal amount that it has cost the Navy to directly reduce a burro in the past. The amount will be paid monthly.

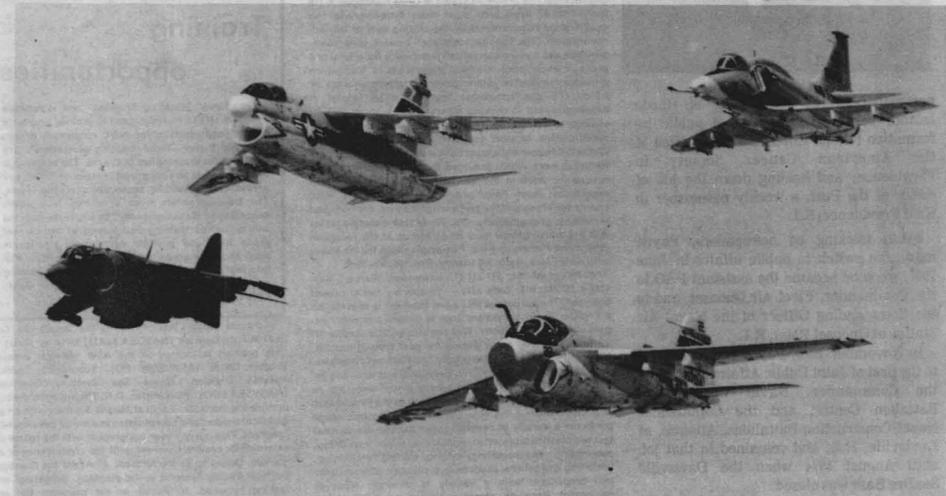
The plaintiffs also accepted all rights and liabilities of ownership of the burros on

taking possession of them. The Animal Protection Institute in Sacramento will conduct the adoption of those burros.

The animal protection groups agreed to undertake a continuous removal program consistent with range operations as scheduled by the Navy to keep the area free of burros. If the Navy is not satisfied with the removal effort, it will give the groups a five-day notice by telephone to completely remove burros from the 275-square-mile area. The groups will have that length of time to capture and remove all animals and if they cannot do so, the Navy can take whatever action it deems appropriate to clear the area including, but not limited to, the forfeiture of the \$5,000 performance bond.

This agreement will end on Jan. 1, 1982. It can be extended, but the Navy expects that its burro long term management plan will be in effect by that date. This agreement will not affect the long term management program which will address burro management on the Center's total area of 1,712 square miles.

The U.S. District Court retains jurisdiction over the execution and performance of the agreement.



Major interactive graphics contract awarded

The Naval Laboratories Interactive Graphics Program signed a \$62,978,544 contract on Sept. 23 with Computervision Corporation of Bedford, Mass. This is the single largest contract ever awarded in the Computer Aided Design-Computer Aided Manufacturing (CAD/CAM) field, and was competitively awarded to the contractor with the lowest system life cost.

The contract covers hardware and software installation, training, documentation, and maintenance over an 8-year period. The initial year's cost is estimated to be \$7.7 million, during which time 10 Computer Aided Engineering and Documentation Systems (CAEDOS) with 52 work stations will be provided to six Naval Material Command R&D centers at nine locations. During the life of the contract as many as

33 systems can be called for with a total of 295 work stations. The Navy's contract includes an "indefinite quantity" clause, making these CAEDOS available to any Navy activity with funding and proper automatic data processing approval.

The competitive contract was bid on by the three largest CAD/CAM producers, and the selection process was exhaustive, including a thorough technical evaluation of proposals, a qualification benchmark, and a work-throughput demonstration in which each competitor was given a number of drawings to process. A team of 13 experts from six Navy laboratories was involved in the evaluation.

The final selection process included costs such as invoice price for hardware, soft-

ware, hardware and software maintenance and support; energy cost; desirable-feature credits; work-throughput credits; and the residual value of the hardware at the end of the contract.

Initial shipments of the system by Computervision will begin in December and will extend over several years. When completed, the resulting CAD/CAM network will be the largest interconnected CAD/CAM operation in the world.

Dale O. Christensen, from the Fuze and Sensors Department, is the Naval Laboratories Interactive Graphics Program Manager.

Computervision is a leading supplier worldwide of CAD/CAM systems, reporting revenues in excess of \$230 million for the 12-month period that ended June 30, 1981.



IWV youth football squads to take on Tehachapi teams

Four Indian Wells Valley Youth Football League teams will host their counterparts from Tehachapi in a series of games that will get underway at 9:30 a.m. tomorrow at Kelly Field on the Murray Junior High School campus.

The Freshman (Peewee) Division game between the Chargers and their opponents from Tehachapi will get underway at 9:30 a.m.

Starting times for games involving the Dolphins (Sophomore Division), the Bears (Junior Division), and the Giants (Senior Division) will be 11 a.m., 12:30 p.m. and 2 p.m., respectively.

In Tri-Valley Youth Football League tilts played last Saturday at the Burroughs High School athletic field, the IWV Chiefs defeated the Trona Saints by a score of 18-8 in a Junior Division contest; the visitors from Searles Valley were victorious, 14-6, over the Freshman Division Vikings, and also won the Sophomore Division game over the IWV Lions by a final tally of 6-0.

After a scoreless first half in the IWV Chiefs vs. Trona Saints game, an 18-yd. run by Kyle Blecha of the Chiefs got the local team out in front 6-0 in the third period of play.

The Chiefs then tallied two more times in the fourth quarter — first on a 20-yd. pass interception by Robbie Show, who picked off an aerial tossed by Tommy Stafford of the Saints — and also on a 41-yd. run by Dennis Adams.

Trailing 18-0, the visitors from Trona worked the ball down deep inside the Chiefs' territory and it was Stafford who carried it into the end zone on a 7-yd. run. The Trona quarterback also added 2 points after the touchdown on a run to make the final score 18-8 in favor of the IWV Chiefs.

The visitors from Trona had a bit the better of it statistically in this game, but two key plays — the pass interception by Show and the long run for a score by Adams — turned the tide in favor of the IWV Chiefs.

In the Freshman Division game between the Vikings of Indian Wells Valley and the opposing team from Trona, a 60-yd. kickoff return by Troy Fenton accounted for the Vikings' lone touchdown in their 14-6 defeat.

Diplomats edge Sting in Div. 5 youth soccer tilt

A 2-1 victory by the Diplomats over the Sting highlighted last Saturday's action in Division 5 of the Youth Soccer League.

In this early afternoon game played at Davidove Field, the Diplomats were hard-pressed to keep their win streak intact in this meeting between two well-coached teams.

Jim Caves was outstanding on defense for the Diplomats, while Matt Ziegler accounted for his team's scoring with 2 goals — one on an assist from Eric Wee. Bobby Hudson scored the lone goal for the Sting with the help of an assist from Robby Green.

Results of other games played by Division 5 teams were Surf 2, Roughnecks 0; Tornado 4, Sounders 1; Hurricane 4, Whitecaps 0; and Kicks 6, Rogues 0.

Brian McCrary and Perry Martinez each scored a goal as they led the Surf to a 2-0 shutout of the Roughnecks. A solid effort on defense by the Surf prevented the Roughnecks from getting their offense in gear.

In their 8 a.m. game with the Tornado, the Sounders couldn't seem to get rolling and scored just once on a goal by Brian Lindsey. Two goals each by Curt Brune and Jason Black were more than enough to pick up a victory for the Tornado team.

Burros have extra week to prep for next foe

Burroughs High School's varsity football team gets a break this week from Golden League gridiron action.

The respite will enable the Burros to regroup following a 30-0 loss last Friday night to Quartz Hill, and an equally devastating defeat (36-0) at the hands of the Canyon Cowboys down in Canyon country on Oct. 9.

It was Homecoming time last Friday night when the Rebels from Quartz Hill arrived on the scene to tangle with the BHS varsity gridders, and the visitors lived up to their advance notices by fashioning a 23-0 halftime lead.

The Rebels, who were on the receiving end of the second half kickoff, took just a little more than 3 minutes to drive for their fourth and final touchdown of the night as they salted away a 30-0 win.

The initial offensive threat of the game was posed by the Burros. After an exchange of punts early in the first quarter, the BHS varsity moved the ball from its own 29 to the Quartz Hill 17.

Faced by fourth down and 6 yds. to go for a first down, the decision was made to try for a field goal, but the attempt by Scott

Fulton, with the ball spotted at around the 25 yd. line of the Rebels, was short and low.

Key plays in this, the only serious scoring threat in the game by the Burros were back-to-back runs by Antonio Dobbins that gained 19 yds. and a first down at the Quartz Hill 32, and a 12-yd. scamper by Ken McGrath that gave the Ridgecrest team a first down at the Rebels' 20.

Fulton's missed field goal try three plays later turned the ball over to the Rebels, who began to click on offense and ground out an 80-yd. scoring drive that was culminated by an 18-yd. pass for a touchdown 1½ min. into the second period.

A halfback pass from Vince Strobbe to quarterback Joe Pizzo got the Rebels moving with a 30 yd. gain to midfield, and an aerial from Pizzo to Strobbe that covered 18 yds. finished off this drive when Strobbe caught the ball in the BHS end zone. A high snap from center ruined any chance for a successful kick for the PAT, and the Rebels had a lead of 6-0.

Troubles of the kind that plagued them throughout the game cropped up for the Burros on their next possession of the ball. On the first series of plays following the

kickoff by Quartz Hill, the BHS gridders drew penalties of 5 and 15 yards. On fourth down, a high snap from center made it impossible for Fulton to get off a fourth down kick, and he was dropped at the Burros 18 yd. line.

Four plays later, Pizzo tallied on a quarterback keeper that gained 8 yds. on a sweep around left end, and the PAT was added on kick by Doug Crew that increased the Quartz Hill lead to 13-0.

The second quarter was all Quartz Hill as the Rebels took advantage of a fumble recovery on the BHS 30 yd. line on the Burros' next series of plays and — aided by a 15-yd. penalty against Burroughs — moved the ball down to the Green and White 11. On fourth down, Javier Robles was called in to boot a field goal with the ball spotted around the BHS 20, the ball split the uprights, making the score 16-0 in favor of the Rebels with nearly 5 min. left to play in the first half.

Quartz Hill put 7 more points on the board before the halftime intermission. Hit by a 15-yd. penalty and a fumbled pitchout that was recovered for a loss of 7, the Burros kicked on fourth down and the Rebels were once again back on offense — operating from the BHS 45.

A series of plays that produced a first down at the BHS 30 was followed by a touchdown toss from quarterback Pizzo to Dan Banks, tight end for Quartz Hill, that boosted the visitors' lead to 23 to 0 when Crew once again added the PAT, and that's the way the first half ended.

Mixing up running and passing, the Rebels scored in just eight plays after receiving the second half kick-off. Hard running by halfback Strobbe, who was held to short but consistent gains, helped to set up the passing of quarterback Pizzo.

The latter sandwiched in a 36-yd. aerial to Scott Embrey between two short passes to Doug Scott, the last of which was good for 15 yds. and a touchdown. The PAT was good on a kick by Robles — giving the Quartz Hill team a 30-0 lead with more than 8½ min. still left to play in the third quarter.

The Burros offense showed a brief spark of life on its next series of plays following the kickoff by Quartz Hill, but a pass interception at midfield by Chris Johnson of

(Continued on Page 7)

Cocky Bull keggers increase lead in Premier League

The Cockey Bull keggers padded their lead to 3 points over their nearest rivals (Sonnenberg Enterprises) following Monday night's Premier League action at Hall Memorial Lanes.

The league leaders, who were matched against the cellar-dwelling Partlow Construction squad, picked up 13.5 out of a possible 20 points, while Sonnenberg Enterprises moved into second place by virtue of a convincing win (16-4) over the Hideaway.

Both high team game (1,058) and high team series (3,103) scores were posted by the Sonnenberg Enterprises bowlers.

Four Premier (scratch) League bowlers shared the spotlight by rolling triple 200 series scores. Ernie Lanterman led this group with a 678 total built on single games of 246, 219 and 213. The three others, and their scores, were: Hub Zimmerman (232, 225 and 211 — 668), Pat Nalley (202, 223 and 243 — 668), and Rob Shuttleworth (204, 201 and 204 — 609).

Other Premier League bowlers who topped the 600 series mark were Jeff Mattick (651), Eddie Davis (640), Dick Schweitzer (627), Mark Barkemeyer (623), George Barker (618), and Roy Canfield (612).

In addition to those already mentioned, bowlers with single game scores of more than 220 were Davis (267), Roy Canfield (246), Glen Collins (243), Barkemeyer (242), Mattick (234 and 225), Tracy Brandt (234), Ed Ranck and Bill Zebly (225), Champ Pearman (224), and Barker (222).

(Continued on Page 7)



ON THE MOVE — Vince Strobbe, stellar running back and a good pass receiver for the Quartz Hill Rebels, shows his heels to a Burros defender during this bit of action in the Burroughs varsity football team's Homecoming game last Friday night. Coching up to block for the ball carrier is Scott Embrey, wide receiver for the Rebels, who won the game by a score of 30-0. — Photo by Don Cornelius

Designer of first human-powered aircraft to speak here Oct. 28

Everyone in the community who is interested in aviation or in the processes of creativity and inventiveness is invited to hear Dr. Paul MacCready speak on Wednesday, Oct. 28, at 3 p.m. in the Center theater.

Dr. MacCready is the designer and builder of the world's first successful human-powered aircraft, the Gossamer Condor and the Gossamer Albatross, and of the first successful solar-powered craft, the

Cdr. Virgil Jackson assumes duties of VX-5 Exec. Officer

Cdr. Virgil Frank Jackson, Jr., became the Executive Officer of Air Test and Evaluation Squadron Five (VX-5) today. He relieved Capt. Norman B. Nash, who will report to the Commander Naval Base Pearl Harbor Staff.

Cdr. Jackson was transferred to VX-5 in February, following a three-year assignment with the "Sidewinders" of VA-86, where he served as both Executive Officer and Commanding Officer.

His sea duty includes three combat tours in Vietnam, and deployments to the Mediterranean, Indian Ocean, and North Atlantic. He has logged more than 4,500 flight hours in 40 different model aircraft and has made 808 carrier landings.

This is not his first tour with VX-5 at China Lake, since he was assigned here as Electronic Warfare Project Officer in 1966. He spent nearly two years at the Applied Physics Laboratory of Johns Hopkins University testing and evaluating defense electronic countermeasures equipment that was being installed in tactical aircraft, and then in 1968 was the VX-5 Range Coordinator for Echo Range at NWC.

He is also a qualified test pilot, spending three carrier detachments in the development phase of the F-14, being project test pilot for the cruise missile guidance system, and chairman of the flight test section for Naval Air Systems Command source selection for the cruise missile.

Cdr. Jackson holds degrees in electrical engineering and aviation from Louisiana Technical University, and a degree in mathematics from St. Mary's College, Md.

He and his wife, the former Tessie Ruth Dupree, have three children: Virgil III, James, and Curtis.

Gossamer Penguin.

The Gossamer Condor flew a prescribed figure-eight course powered only through pedal power in 1977; this was followed in 1979 by the Gossamer Albatross, which flew across the English Channel powered solely by a human pedaling. For this achievement, Dr. MacCready was awarded the Kremer Prize of 100,000 British pounds.

Dr. MacCready then tackled the problem of solar power for aircraft. His Gossamer Penguin made the first sustained, controlled flight of an aircraft powered by solar cells in 1980, and this year it flew from London to Paris on sun power.

He is co-president of the International Human Powered Vehicle Association, which



Dr. Paul MacCready

has been the catalyst for developing pedaled surface vehicles that have exceeded speeds of 100 km/hour.

Not only will he talk about the aircraft and vehicles that he has developed, but also he will present insights into problem solving and creativity, and perspectives about how far efficiency, energy conservation, and economical use of materials can go when people are really pushed.

A major factor that his achievements have illuminated is the way that training and culture have inhibited taking new approaches because people assume constraints that don't really exist.

Dr. MacCready's talk is part of the Technical Director Lecture Series.



Details of military increase in pay outlined

President Ronald Reagan has signed into law the most significant improvements in military compensation and pay in more than three decades. The Uniformed Services Pay Act of 1982 provides substantial increases in military pay, benefits, and travel reimbursements.

The pay raise and other pay entitlements became effective on Oct. 1, 1981, with the exception of some discretionary payments that will be effective after passage of the Defense Appropriation Act.

The new pay raise provides an increase of 14.3 percent for all officers. The pay boosts for enlisted military vary, as follows: E-1, 10 percent; E-2 and E-3, 10.7 percent; E-4, 13 percent; E-5 and E-6, 16.5 percent; and E-7, E-8, and E-9, 17 percent.

In addition, basic allowance for quarters (BAQ) and basic allowance for subsistence (BAS) has been increased by 14.3 percent for all pay grades.

Other features of the pay bill include: Aviation Career Incentive Pay (ACIP) — Increases ACIP for officers with more than 6 years of aviation service from \$306 to \$400 per month. No increase is provided for those with less than 6 years of aviation service.

The Skipper sez



All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Lahr. Please call NWC ext. 2727 with your question, and state whether you are a military member, civilian employee, or a dependent. No other identification is necessary. There is no intent that this column be used to subvert normal, established chain-of-command channels.

QUESTION

Civilian employee — I live in an old duplex on Bowen Avenue. I'm concerned about the future of these homes. Are there still plans to sell these homes to people that live there?

ANSWER

The houses on Bowen Avenue are structures that the Navy does not plan to retain. There are no plans to sell these homes to residents. My goal is to retain the land that the structures are on.

QUESTION

Civilian employee — Why does the Navy continue to tear down 20 year old trees and replace them with 1 year old trees? Are they diseased?

ANSWER

Many elm, Lombardy Poplar, and Cottonwood trees at the Center are at the end of their life span, diseased, and are dying at a startling rate. The trees are being replaced for safety reasons and to limit the spread of the disease. A recently established landscaping program intends to replace these trees over several years to reduce the impact of their loss and will include longer-lived trees which use less water.

QUESTION

Did not say whether civilian or military — At the the Federal Management Association luncheon you talked about making this place green. You can't move Pensacola to the desert, and some of us live in the desert because it is the desert. We have a water shortage in the valley, and the Weapons Center uses more than its share. Do you plan to plant more grass and trees and waste even more of the scarce valley water?

ANSWER

Your concern for one of our most critical resources — water — is appreciated. I share that concern and intend to balance it with other concerns and requirements. Landscaping in selected areas consists of carefully selected plantings that are more compatible with local environment and are properly irrigated with state of the art systems (instead of trench irrigation) that will conserve water while providing a greatly improved atmosphere for all of us to work and live in.

QUESTION

Civilian employee — What plans does the base have to replace or relocate McBride Park since the area is due to be excessed? The park, in my opinion, is in a degenerating condition; it has broken equipment, and the trees and grass have had no proper grounds care. I don't know of any other place similar to it. My question is, if McBride park is excessed along with land, do you have plans to replace it in an active area?

ANSWER

First of all we do not intend to excess that area, only demolish the structures therein. Concerning McBride Park, there are two options currently under consideration. One is to continue with the concept of one park centrally located; the other plan I am considering is the feasibility of constructing several neighborhood parks.

Drivers added to improve taxi service

In order to provide better response to requests for NWC taxi service, the Public Works Department's Transportation Division recently hired additional drivers.

"We try harder" is the policy of the NWC taxi service, which operates on weekdays between the hours of 7:30 a.m. and 4:30 p.m. within all main side areas at China Lake.

Transportation also is provided to Thompson Lab, the Explosive Ordnance Disposal Office, headquarters of both the Range Department, and Ordnance Systems Department, and to the Salt Wells headquarters area.

Civilian employees and military personnel in need of transportation can make arrangements for a cab pickup by calling NWC ext. 2280 or 2838.

Entitles officers (O-6 and below) with over 25 years of commissioned service to ACIP while serving in an operational flying billet at a rate of \$250 monthly. Increases ACIP for warrant officers to same rate as that authorized for O-1 and above. Officers

cluded are servicing of aircraft or missiles with highly toxic fuels or propellants; frequent or regular duties on a flight deck of a ship from which aircraft are launched; and exposure to highly toxic pesticides. Enlisted Flight Pay — Raises the minimum flight pay to \$83 per month. Those in rates receiving more than \$83 remain the same.

Engineering and Scientific Officer Bonus — Effective on Oct. 14, 1981, a continuation bonus was established for engineering and scientific officers in certain critical shortage fields as designated by the Secretary of Defense.

In addition, the Uniformed Services Pay Act of 1982 extends for one year the reimbursement for living expenses to personnel on ships whose quarters are declared uninhabitable during overhaul if no other quarters are available, and increases the individual's BAQ and Variable Housing Allowance (VHA).

The pay act also includes significant increase in moving, emergency leave, and temporary additional duty benefits, many of which will not become effective until Nov. 1, 1981, or later.

receiving the Aviation Officer Continuation Pay will not receive the ACIP increase.

Hazardous Duty Incentive Pay (HDIP) — Increases HDIP for enlisted personnel by 50 percent (from \$55 to \$83 per month). Creates new categories of hazardous duty that qualify military personnel for HDIP. In-



TIME CHANGE SLATED It's that time of the year again when the change will be made from Daylight Saving to Pacific Standard Time, thus allowing California residents to regain that hour of sleep lost last spring when clocks were set forward. While the changeover to Pacific Standard Time doesn't become official until 2 a.m. on Sunday, for those who don't plan to remain awake until that hour, their best bet is to set all clocks back one hour just before retiring on Saturday night.

C. B. Knox receives 40-year pin from Skipper

C. B. Knox, head of the Mail, Files and Records Branch in the Office of Finance and Management, was the recent recipient of a 40-year Federal length-of-service award that was presented by Capt. Lahr during a ceremony held in the Skipper's office.

Knox, who has been employed at China Lake since February 1964, can look back upon a Federal service career that included more than 20 years on active duty in the Navy, as well as three years at the Naval Repair Facility in San Diego before settling down to work here nearly 18 years ago.

Closing down the Naval Repair Facility in the border city brought Knox to the Naval Ordnance Test Station (forerunner to NWC), and for more than five years he was employed in the Rigging Shop of the Public Works Department's Maintenance Utilities Division. His job called for setting up targets wherever needed at SNORT and in the Randsburg Wash area.

In 1969, he was transferred to what was then called the Command Administration Department and became head of the Mail, Files and Records Branch — a group that has the responsibility for processing all incoming and outgoing correspondence, and also has the custody and control of all classified materials.

While serving in this position, Knox has received a number of performance-related awards, including Sustained Superior Performance Awards in 1970, 1973, 1976 and 1981.

In recommending Knox for his fourth Sustained Superior Performance Award, which he received in May of this year, Robert Glen wrote: "Claude B. Knox is regarded as one of the Center's finest supervisors. He is fair and yet firm with his

Advice offered on saving energy costs during cold weather

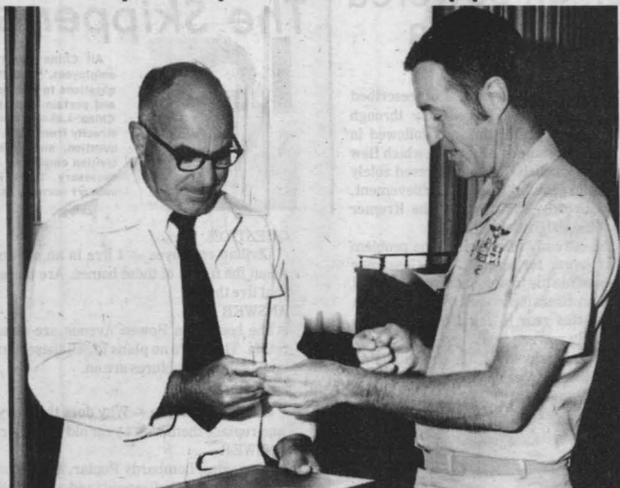
The chilly mornings lately are a reminder that the season for switching on heaters is once more about to begin.

With the impending deregulation of natural gas prices (and rising costs of electricity), making the most out of heaters becomes as important financially as it is from the standpoint of conserving energy.

Setting a thermostat back during the night — for several hours each night — can save as much as 9 to 15 percent of the total amount of energy needed to keep a building warm enough for health and comfort. (How well the building is insulated will also make a big difference.)

The heating set-back can either be done manually, providing that some family member is tasked to remember to turn down the thermostat each night, or an automatic control device can be purchased at a reasonable price to do the same thing.

The advantage of the automatic control device, of course, is that it does not rely on faulty human memories, and is apt to repay cost shortly by being dependable.



HOW TIME FLIES — C. B. Knox looks over a 40-year Federal service pin that accompanied a certificate denoting four decades divided evenly between active duty in the Navy and work as a Civil Service employee. The presentation to Knox was made by Capt. Lahr.

employees and runs what might be called a 'tight ship' for a function that is seldom complimented, but is very visibly noticed if anything goes wrong."

Two decades of active duty in the military began for Knox when he joined the Navy as a seaman apprentice in 1940 in Nacogdoches, Tex. Interested in seamanship and gunnery, he was assigned to the crew of the battleship USS California, and was on board when it was sunk on Dec. 7, 1941, at Pearl Harbor, Hawaii.

Transferred to a ship salvage detail, he worked on raising both the California and the battleship USS West Virginia — being transferred to the crew of the latter ship and seeing action later in World War II in the battle of the Philippines, at Iwo Jima and the Island of Okinawa.

When the war ended, Knox, who was then a 1st class boatswain mate, was involved in a series of ship decommissionings at Bremerton, Wash., before joining the crew

Nominations sought for bd. of directors of Indian Wells Valley TV Booster, Inc.

Nominations are now being sought for the board of directors of the Indians Wells Valley TV Booster, Inc., in preparation for an election that will be held on Nov. 2 to fill five seats on the nine-member board.

Board members, whose terms of office are two years, oversee the day-to-day operation of the TV booster system, with the help of a large number of volunteers from the general membership.

Qualifications for membership on the TV Booster board of directors include being a paid-up member of the TV Booster, Inc., and having a willingness to serve the community.

of the aircraft carrier USS Midway in Norfolk, Va., for a Mediterranean cruise in 1948.

Prior to the Korean War, Knox put in two years of shore duty at the U.S. Naval Amphibious Base in Little Creek, Va., and then joined the crew of an amphibious troop transport that was assigned to the Mediterranean. Later he served a three year hitch as a Navy recruiter in Galveston, Tex.

His last tour of active duty was aboard the destroyer, the USS Braine, in the western Pacific. Knox retired from the Navy on Oct. 31, 1960.

He enjoys fishing and boating at Crowley Lake, where the family has a boat and trailer. Yard work around his home in Ridgecrest keeps him busy at those times of the year when weather permits and the fishing season at Lake Crowley is over. Knox has no present plans for retirement as both he and his wife, Shirley, are happily settled in Ridgecrest.

Directors volunteer their assistance free of charge, but are rewarded by the satisfaction of having helped to provide an essential service to the entire Indian Wells Valley area.

The local TV booster is the largest in the U.S. It transmits 11 television stations from Los Angeles and one from Bakersfield. Prospective candidates for the board of directors can obtain additional information by calling Gloria Longo at 375-8478 or Ed Middlemiss at 377-5192. Written communications can be addressed to TV Booster, P.O. Box 562, Ridgecrest.

Police reports . . .

Vandalism that resulted in damage estimated at \$3,500 at the China Lake golf course was reported last Friday morning to local police.

Employees at the golf course discovered, upon returning to work on the morning of Oct. 16, that sometime during the preceding night a small motor vehicle had been driven in a circular pattern on the practice putting green — making deep ruts in the ground.

In addition, several sharp turns were made on the putting green at hole No. 1, tearing up the grass, and deep ruts were left in the fairway leading to this same hole.

IMMIGRATION LAW CASE

A motorist suspected of violating the U.S. immigration laws was arrested on Thursday evening of last week by China Lake police and turned over to Kern County deputy sheriffs in Ridgecrest.

A routine check of a car that had an out-of-date vehicle license plate turned up the suspect, who was operating the vehicle but could produce no driver's license or any other form of identification when asked for it by police officers.

The car was released by police to a passenger, who had a temporary driving permit and resident alien card. The driver was cited initially for being an unlicensed driver, and then transferred to the custody of deputy sheriffs in Ridgecrest, who were to check into the possible immigration law violation.

BURGLARY AT BEQ

Burglary of a room in BEQ-1 was reported last Friday to China Lake police by the victim, who lost \$140 in cash.

The money had been left inside a tool box that was stored in a locker. The locker, which had been secured by a lock, was forced open and the cash was taken from the tool box.

Bluejacket . . .

(Continued from Page 1)

highly involved with the local community, being the president of the Wednesday Military Mixed Bowling League, and that he is also active as a referee in high school and junior high school baseball, softball and basketball games.

AK2 Chiu joined the Navy seven years ago, about a year after immigrating to this country from his native Hong Kong. His family had come to the United States earlier, but Petty Officer Chiu had a job as a policeman that he enjoyed, and he did not join the rest of his family until his mother became ill.

He had begun to learn some English while in Hong Kong, but learned it mainly since joining the Navy. He says with pride that he is an American citizen, and plans to make the Navy his career.

His wife Kim is not yet fluent in English, but son Danny at 3, is learning both English and Cantonese. Kim is also from Hong Kong, and is currently visiting her family there.

"I like this small town," says AK2 Chiu, "and wouldn't mind being stationed here again." He says that the emptiness of the desert is quite a major change from the very crowded conditions under which he grew up.

Problems of mail delivery at homes on Center resolved

A few residents in Center housing have been experiencing temporary difficulties in receiving mail addressed to their old addresses — the ones used prior to street renaming and house renumbering last July. The cause of these difficulties has been found and corrected.

While the post office, according to Eli Moreno, Ridgecrest post master, is legally required to forward mail one year after a change of address is posted, Center residents who have not yet filed change of address cards with publishers of periodicals they receive are reminded to do so.

Local unit of Civil Air Patrol is active in aircraft searches

Civil Air Patrol Tactical Communications-Operations Detachment One (TACOMOPSDET ONE), Nevada Wing, is alive and well and functioning smoothly, thanks to the dedicated efforts of the seven local personnel who are busily carrying on its vital work.

The local unit is part of the Nevada Wing because much of California is already covered by Civil Air Patrol units, and Nevada, very close by air to the Indian Wells Valley, has a lot of wide open spaces without populated communities. And these wide open spaces, also, are often the region into which small aircraft in trouble fly and crash.

Searching for them is a CAP primary role. The Civil Air Patrol, which became functional on Dec. 1, 1941, has served the nation in war and peace.

During war time, its volunteer members helped with cadet selection and primary flight training for the Army Air Corps, carried on submarine patrols off the east coast to spot survivors of torpedoed ships, patrolled the southern border of the country, and guarded airports.

Once peace came, these dedicated men and women (and their aircraft) turned to the more peaceful pursuits of searching for lost aircraft and aiding during natural disasters by doing aerial surveys of road conditions and flying in medical assistance and supplies.

Currently 40,000 men, women, and youth proudly proclaim that they are part of the Civil Air Patrol. Of these, 2,000 are in California. Besides the members who own their own light aircraft, the California CAP owns 40 corporate aircraft that can be used in emergencies.

Since the CAP performs about 80 percent of the Air Force's search and rescue operations, the Air Force pays for the gas used on actual searches and on some training operations. Air Force money also pays for a small share of the maintenance required on members' aircraft, but all other expenses are out-of-pocket for CAP personnel.

The local unit has not been operating as a unit for the past several years, but individual members of what has now been reformed as TACOMOPSDET ONE have been involved in searches and other operations on their own for some time.

Recently the unit helped search for a Cessna 310 that was missing on a flight from Evanston, Wyo., to Oxnard, Calif. The aircraft was piloted by Skip Richards, 39, and carried his father, Bill Richards, 60, and the pilot's son, Danny Richards, 19. CAP units from Nevada, Wyoming, Utah, and California joined in the search.

The aircraft used by the local group in assisting in this search belongs to George

Turner, who works in the Fuze and Sensors Department. It is a Cessna 180 with a short takeoff and landing (STOL) conversion, and has also been modified to carry three persons and the communication equipment needed for their operations.

TACOMOPSDET ONE tries to be able to set up a search base anywhere within 3½ hours flying time from here, and to be able to carry enough equipment for three days of self-sufficient operation.

Training of the local unit included taking part in an Emergency Locator Transmitter training mission in the Lee Vining area recently in coordination with the China Lake Mountain Rescue Group, Inyo and Mono County Sheriff's Offices, U.S. Forest Service personnel, Bureau of Land Management, and CAP Composite Squadron 66 of Bishop.

Personnel from the local unit who attended were Phelps TerHeun, the commander; Rlee Peters, George Turner, Leon Ammerman, and Rolly McNeill. Don Harris serves as coordinator with the CLMRG.

Peters says that there's always room for good people who are interested in becoming active — and possibly reactivating cadet training — but that the unit is seeking to be the best, not the biggest.

Anyone who is interested in becoming active with the CAP is encouraged to contact McNeill, the unit's public information officer, by calling NWC ext. 2237.

Class in preventing sexual harrassment offered supervisors

A schedule of classes has been set for all managers and supervisors required to take Department of Navy training in the prevention of sexual harassment. Enrollments are now being taken.

These classes take one day, and the resultant 8 hours of credit will cover two years of the supervisory and managerial requirement of 4 hours of EEO training per year.

Classes are self-paced, combining workbook training and video tapes. Ten local personnel have taken the course from the Navy Civilian Personnel Command in San Diego to become qualified as instructors for this course that will be offered Navy-wide.

Classes are scheduled Nov. 3, 10, and 18; Dec. 8 and 15; Jan. 12 and 26; Feb. 2, 9, and 16; March 9, 16, and 23; April 6, 13, and 27; May 11, 18 and 25; and June 8, 15, and 22.

Registration for the classes is by submitting a training request and authorization form through normal department channels to Code 094.

Update on benefits for retired military personnel set tonight

All retired military personnel and their spouses are invited to attend an annual update meeting concerning changes in benefits and programs available for retired military that will be held tonight at 7 o'clock at the Community Center.

Capt. James Doolittle, Deputy Test and Evaluation Director, will give the welcome aboard presentation. He will be followed by Sharon Smith, who will discuss changes in CHAMPUS benefits.

Larry Woeller, representing the Fleet Reserve Association, and Lt. Rick Feauto, the Navy Exchange Officer, will discuss their operations to be followed by Warrant Officer Martin Tubbs, from the Personnel Support Detachment, with other updates concerning benefits and services.

Information from Ron Smith, of the Veterans Administration, and by John Powers, the local Social Security field representative, will conclude the program.



PLANNING OPERATIONS — Civil Air Patrol Capt. Phelps Ter Heun of the local CAP unit, checks necessary paperwork and flight plans as three members of other CAP units get their own flight plans ready at Tonopah, Nev. TerHeun served as mission coordinator during the recent search for an aircraft missing on a flight from Wyoming to Oxnard, Calif. —Photos by Roland McNeill

Registration being taken for avionics seminar on Nov. 17-18

Program and project managers, airframe project engineers, and others who are involved in the development of ordnance and equipment that will be carried on aircraft are invited to attend a seminar on aircraft/stores/suspension compatibility that has been scheduled at the Naval Weapons Center on Tuesday and Wednesday, Nov. 17 and 18.

The process involved in obtaining flight certificate—approval for service use—will also be a prime topic at the seminar, since such certification must be obtained before equipment can be carried by aircraft.

Certification may be granted at NWC for local use only by the NWC Aircraft Safety

Contributions lagging at halfway point in 1982 CFC fund drive

Last Friday, at the half-way point in this year's Combined Federal Campaign only 15 percent of the Center's civilian and military personnel had turned in their pledge cards, but this small percentage has pledged \$50,415.50.

More than \$46,000 of this amount will be in payroll deductions beginning the first pay period after the start of the new year.

Nearly 58 percent of the Aircraft Department's 51 personnel have joined in this "once for all" campaign, and 45 percent of the Research Department's 172 employees have also contributed. The Technical Information Department has a 43 percent participation rate among its 128 personnel so far, followed by 36 percent of the Navy Publications and Printing Service's 11 people.

"With the wide range of local, national, international and health agencies represented, everyone should be able to find a group whose work meets with a personal interest," says Loretta King, this year's Combined Federal Campaign coordinator, "and the need is truly great." Contributors can designate to which agency they wish their contribution to be sent, or may designate a group of agencies if they wish.

Committee, or for general use by the Naval Air Systems Command, Airframe Division (AIR-530).

Cdr. Wayne Hanley, Harry Lehman, and Fred Pierce, of AIR 530, will conduct the seminar.

The elements required for certification that will be covered in the seminar include: description of the store/suspension equipment; identification of carrying aircraft; estimated effects on aircraft performance; design strength; substantiation of structural integrity; flutter characteristics; aerodynamic characteristics; store/handling and loading equipment compatibility; anticipated development, production and release-to-Fleet schedule; previous experience with same store on other aircraft; and electromagnetic compatibility.

Anyone who is interested in attending this seminar is asked to contact Andy Victor by calling NWC ext. 2824, so that proper facilities can be scheduled based on a tally of the number of participants.



SEEKING WORD — Leon Ammerman, a 2nd Lt. in the local CAP unit, tries to reach another CAP unit in Utah to see if the missing aircraft has been found. Ammerman acted as communications officer for the unit on the search centered at Tonopah recently.

