

Plans announced for Gem, Mineral show on weekend of Nov. 3-4

Plans are underway for the 28th annual Gem and Mineral Show, which is to be staged on Saturday and Sunday, Nov. 3 and 4, by the Indian Wells Valley Gem and Mineral Society. It is open to the public, free of charge.

This event will be held at the China Lake Activity Center (the old Station Restaurant building at the corner of Blandy Avenue and Lauritsen Road). It will be open from 8 a.m. to 8 p.m. on Saturday, Nov. 3, and from 8 a.m. to 5 p.m. on Sunday, Nov. 4.

Featured at the show will be exhibits of polished stones and mineral collections, along with demonstrations of the ancient art of arrowhead making by Ed Wagner, carving a stone sphere by Dick Compton, and gemstone faceting by Ed Albright.

For those who linger long enough to work up thirst or appetite, sandwiches, desserts and drinks will be offered for sale by Veva Barra and her aides.

Door prizes that will be given away at the Gem and Mineral Show include an oval pendant and brooch set made by Mildred DeHarrold, a bola tie and belt buckle set made by Craig Rae, and a faceted gem cut and polished by Ed Albright.

Varied activities set on Maturango Junction Day

Maturango Junction Day — the seventh annual fundraiser for the Maturango Museum — begins at Kern Desert Regional Park in Ridgecrest tomorrow morning at 8, with activities planned until 5 p.m.

Major events for the day include a pancake breakfast, a children's parade, a chili cookoff, a shotgun wedding (as well as a real wedding), a bank robbery, an auto display, a launch of the Center's hot air balloon, and the Naval Sea Cadets, NWC Division, parading the colors.

Along with the special events there will be entertainment throughout the day, as well as booths where eager purchasers can buy food, beverages, and a variety of other items. One of the booths, set up by the Western Mining Council, will feature gold panning with real gold salted in the dirt that will be bagged and sold to visitors.

The pancake breakfast is sponsored by the Kiwanis Club of Ridgecrest and is used

Vocational education majors eligible for Elks' scholarships

Cerro Coso Community College students who are majoring in vocational education now have the opportunity to compete for one of approximately 30 scholarships that the Elks Lodge will be awarding to students throughout California as part of its national scholarship program.

The local scholarship, sponsored by the Ridgecrest Elks Lodge, will be worth \$1,000 per year over a two-year period.

Applications, which are due by Nov. 15, can be picked up at the Cerro Coso Community College Student Services Office, or by contacting Leo Spanner, Elks Lodge scholarship chairman, phone 375-4066.

The Elks Lodge Scholarship Program is expected to provide over \$450,000 in vocational education scholarships throughout the United States.

For more information, interested students should call the college, phone 375-5001 and ask for ext. 219.

Spaghetti dinner set as jaws of life fundraiser

A spaghetti dinner, planned as a fundraiser by the Inyokern Volunteer Fire Department, will be held on Sunday, from 5 to 8 p.m. at the Eagles Lodge, 301 W. Ridgecrest Blvd., Ridgecrest.

Proceeds from this event will be used to help finance the purchase of a "jaws of life" device for use in rescuing auto accident victims who are badly entangled in wreckage.

Cost of the dinner is \$3 for adults, or \$2.50 for military personnel, senior citizens, and children under 13 years of age.



MATURANGO JUNCTION DAY PRIZES — Local artists whose skills range from painting and pottery to wood carving have offered some excellent examples of their work to be given away as prizes at Maturango Junction Day, a fund-raiser for the Maturango Museum, that will be held on Saturday, Oct. 27, at the Kern Desert Regional Park in Ridgecrest. Among the artists who will donate their work are (l.-r.) Jean Donovan, who is known for her pottery work; Larry Zabel, who is displaying a painting of a big horn sheep mounted on a piece of old wood; and Ida Davis, another local artist known for her animal paintings. The Maturango Junction Day prize list also includes a wood carving by Bill McEwan, who is nationally famous for his work in all media — especially for his metal sculpture and other carvings using rare kinds of wood. — Photo by PH3 Rick Moore

as a fundraiser by that group; it begins at 8 a.m. By 9 a.m., entries in the car show must be in place. Vehicles on display will include antiques, classics, street rods, motorcycles, race cars, customs, trucks, boats and ORVs.

The chili cookoff begins at 10 a.m. — and samples of the chili made by contestants will be for sale by the time that the cookoff finishes at 1 p.m.

Starring in the shotgun wedding at 11:30 a.m. will be Ridgecrest Mayor Anna Marie Bergens and her real-life spouse. An actual wedding will take place also at 3 p.m. with Judge Chuck Porter tying the knot for Doreen Dadds and Buddy Brown.

When better to have a bank robbery than high noon? That's when the bandits from the Exchange Club will ride onto the scene to emulate the Wild West.

Awards for the best chili will be presented at 1 p.m., and awards to winners of the Roadrunner Two Auto Display will be given out at 3:30 p.m.

Entertainment throughout the day will be provided by Ken Robinson's Dixieland Band, a Sweet Adelines quartet, Dan Schweitzer playing the guitar and singing, West Connection Band and the Side Kicks



A Halloween costume party will live up to things at the Enlisted Mess this evening. Activities will get underway with a steak dinner for members and guests that will be served from 6 to 9 o'clock.

Highlight of the evening will be a magic show featuring Steve Higgins, a veteran sleight-of-hand performer, who has entertained in various parts of the U.S. for the past 17 years.

Higgins, known as "Mr. Magic," and Judie will be on-stage at 9 o'clock tonight at the EM. He also will be spinning records for the listening and dancing pleasure of EM patrons and their guests both before and after the magic show.

The evening's activities also will include a Halloween costume contest during which prizes will be awarded to the winners.

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A dinner, magic show, and dancing to recorded music is on tap Saturday night during the monthly Membership Night fete at the Commissioned Officers' Mess.

A buffet-style dinner, featuring entrees of roast beef or baked chicken, will be served from 6 to 9 o'clock, at which time Steve Higgins, of Oceanside, Calif., with his assistant, Judi, will be in the spotlight as they present their magic show.

Recorded music also will be provided by Higgins, who is known as "Mr. Magic," both before and after the stage show — continuing until midnight for those wish to round out the evening by dancing.

Membership night tickets, priced at \$7 for COM members and \$8 for guests, can be purchased at the COM office.

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BOSS (the Black Original Social Society) will hold its fourth annual Halloween party for adults only tomorrow night at Winston Lodge, 1431 N. Downs, Ridgecrest.

A social hour begins the evening at 8, and festivities will last until 2 a.m. Dancing will be to recorded music. Costumes are encouraged, but not required, with prizes given for the best original costume, the best matching couple, and the ugliest costume.

Donations are \$2 per person for the public, and \$1 for members of BOSS.



G: ALL AGES ADMITTED
General Audiences
PG: PARENTS STRONGLY CAUTIONED
Parental Guidance Suggested
R: RESTRICTED
Under 17 requires accompanying
Parent or Adult Guardian

Regular starting time 7:00 p.m.

FRIDAY	"FIRESTARTER"	OCTOBER 26
Starring David Keith and Drew Barrymore (Action Drama, rated R, 114 min.)		
SATURDAY, SUNDAY	"GREYSTOKE - THE LEGEND OF TARZAN"	OCTOBER 27, 28
Starring Ralph Richardson and Christopher Lambert (Drama, rated PG, 130 min.)		
MONDAY	"HEROES THREE"	OCTOBER 29
Starring Lawrence Tan and Mike Kelly (Action Drama, rated R, 90 min.)		
WEDNESDAY	"HALLOWEEN II"	OCTOBER 31
Starring Donald Pleasence and Jamie Lee Curtis (Horror Drama, rated R, 93 min.)		

Rec. Services slates turkey day coloring contest for children

Children 4 to 12 years of age are invited to participate in a turkey day coloring contest sponsored by the Youth Activities Branch of the Recreational Services Department.

All entries must be submitted to the Information, Ticket, and Tour Office, located on the west side of the Community Center, no later than 4 p.m., Thursday, Nov. 15.

There is no fee for entering the contest. Prizes will be awarded to the top entrants in age groups 4 through 6, 7 through 9, and 10 through 12 years.

Grand prizes, in addition, will be a turkey (donated by Albertson's Market) and a cornucopia cake (from Baskin-Robbins Ice Cream Shop) to the overall winner and runner-up in the turkey day coloring contest.

The contest entry forms can be obtained at any NWC Recreational Services Department facility, and also at the Center library.

Shelf prices cut for sales now underway at NEX retail store

A home improvement and energy conservation sale is now underway at the Navy Exchange and will continue next Wednesday, Oct. 31.

A wide variety of hand tools, vacuum cleaners, car radios and cassette players, as well as home stereo systems is being offered at reduced prices.

Also underway at the Navy Exchange retail store is a sale offering savings averaging one third, compared to regular prices, on Oneida brand silver plate, stainless flatware, and silverplated bowls and trays for use in holiday entertaining. This sale ends on Dec. 1.

NEX optician on travel

The dispensing optician at the Navy Exchange will be on travel next week (Oct. 29 through Nov. 3).

During this time, someone will be available to take orders for single vision eye glasses, and make minor adjustments and repairs on eye glasses. The optician's regular service will be resumed on Tuesday, Nov. 6.

U.S. Government Printing Office
1984 - No. 1033

From:	PLACE STAMP HERE
To:	

Pay boost of 4% looms for all in military

A four percent pay raise for military personnel, effective on Jan. 1, 1985, is among the key items in the Fiscal Year 85 Defense Authorization Bill that has been passed recently by both the U.S. Senate and the House of Representatives.

In addition, the basic allowance for subsistence that is provided for military personnel also will be boosted by four percent. This is an across-the-board raise for all hands with the exception of E-1s who have less than four months of active service.

According to information received from the office of Admiral James D. Watkins, Chief of Naval Operations in Washington, D.C., most Navy personnel also will experience an increase in their combined basic allowance for quarters (BAQ/viable housing allowance (VHA)). Both of these pays will be computed under a new formula that considers housing costs throughout the United States and local area costs.

On this same subject, authority to pay BAQ/VHA to personnel assigned to ships in overhaul that are not habitable for messing/berthing has been continued.

Career sea pay will be improved for senior enlisted personnel. For example, the career sea pay ceiling for a petty officer first class will be increased from \$255 per month to \$340 per month, while the ceiling for a master chief petty officer (MCPO) will be increased from \$310 to \$410 per month. Step increases for those with over 12 years of sea duty are included. Under the old provisions, increases stopped at the 12-year point.

An additional \$100 for three or more years continuous sea duty is added to the totals, thereby allowing a MCPO to receive up to \$510 per month.

An increase in selective reenlistment bonus limits is another of the key items in the FY85 Defense Authorization Bill. Previous payment ceilings were \$16,000 for non-nuclear personnel and \$20,000 for nuclear-qualified members. Under the new provision, the ceiling is raised to \$30,000. The result of this change will be increases for those in ratings where serious shortfalls occur, it is stated in the message from the CNO.

In addition to the foregoing, aviation of-
(Continued on Page 5)

Technical Director Award

Employee commended for efforts in creating Interactive Graphics capability within Code 39

The NWC Technical Director's Award, based on achievements in creating an Interactive Graphics (IAG) capability within the Weapons Department, was presented recently by B. W. Hays to Carter McCrary, an engineering technician in the Weapons Control Branch of the Weapons Department's Development Division.

Hays complimented McCrary and the personnel of Code 3921's computer-aided engineering design group for their outstanding work over a period of several years' time.

Referring to McCrary and his co-workers as members of "one of the finest 'can do' branches on the Center," Hays observed that the latest evidence of this became apparent when Code 3921 design/documentation personnel took on the task of designing the printed wiring boards for the Vertical Launch ASROC (VLA) Digital Autopilot and Controller (DAC) package.

At a time when VLA had a lot of visibility, the NWC Technical Director stated, the work was accomplished within the limited time set for its completion, even though the job was complicated by the first full application of the IAG electrical software package.

McCrary received an engraved paperweight, a letter of commendation, and a stipend that accompanies this special form of a Superior Achievement Award.

In addition to McCrary's co-workers and his wife, Nancy, others present for the ceremony were Capt. K. A. Dickerson, NWC Commander; Gerry Schiefer, Deputy Technical Director; Dillard Bullard, head of the Weapons Department; Wayne Doucette, head of the Weapons Development Division, and Cdr. Billy Boatright, who heads Code 39's Anti-Air Projects Office.



October 26, 1984

Vol. XXXIX, No. 43

NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

ASROC successfully blasted off using Navy's new Vertical Launching System

Shortly before noon on a recent Saturday morning, the first all-up-round of a Vertical Launch ASROC missile roared skyward from its launch facility at the Center's G-6 test site.

The missile was launched vertically from a pre-production model of the Navy's newest launcher, the Vertical Launching System (VLS).

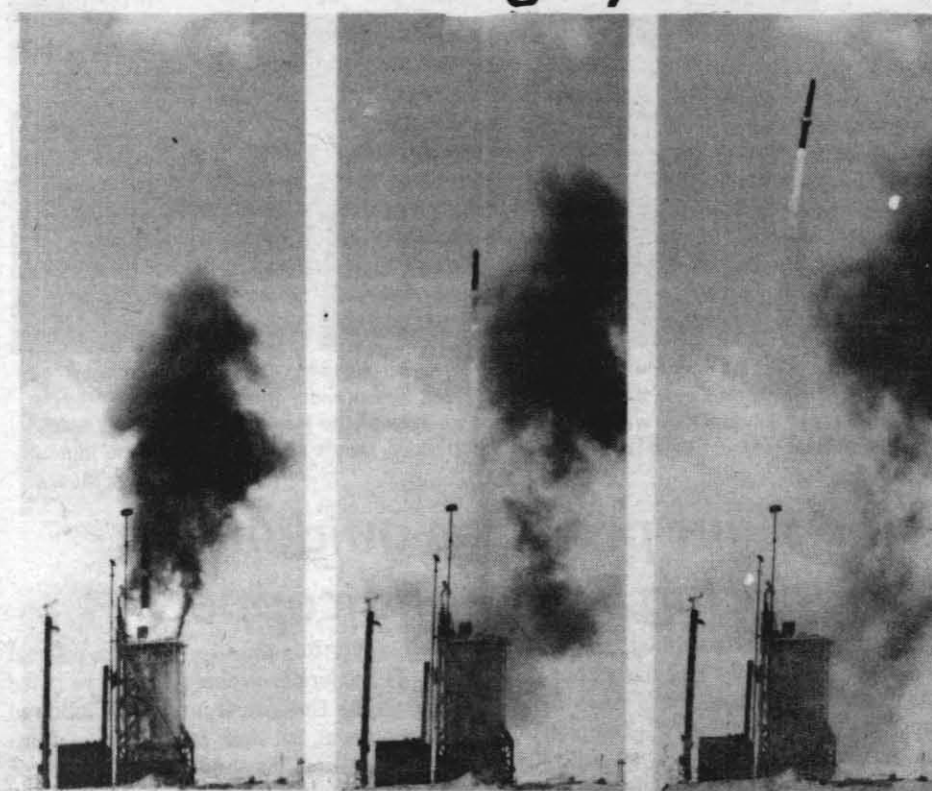
Following launch, the missile was turned from its vertical flight to a pre-determined ballistic trajectory by a digital autopilot and controller (DAC) and a jet vane thrust vector control (TVC) unit. The on-board computer contained in the DAC computed the steering commands to the TVC unit, calculated the time at which motor separation needed to be accomplished to achieve the desired range, and commanded motor separation and subsequent flight events.

Following separation of the motor and TVC unit, the missile second stage flew a ballistic trajectory. The payload for this flight test was a dummy Mk 46 Mod 5 torpedo configured with an on-board telemetry system.

The VLA weapon system acquisition program is directed and managed by PMS-416 in the Naval Sea Systems Command; the Navy laboratories played a significant role in the system development.

The Naval Oceans System Center (NOSC) in San Diego is the lead laboratory responsible for the missile development, fire control system modifications, and weapons system integration.

NWC, in support of NOSC, is responsible for the missile propulsion and control system, which includes the DAC and TVC unit, missile staging ordnance, the on-



GOING UP — This sequence taken during a test in July shows ASROC leaving the launcher, rising, and then starting to tilt over into its planned flight orbit.

board telemetry/instrumentation system, and a command destruct system.

Also participating in the test were the Naval Ship Weapon Systems Engineering Station, Port Hueneme, Calif.; the Naval Surface Weapons Center, Dahlgren; Va., and Martin Marietta Co., the VLS manufacturer.

The VLA will be the third missile compatible with the VLS, which currently can fire the Standard Missile and Tomahawk.

The VLS will enable Navy surface ships to combat multiple threats from a single, fixed launcher.

The lower-maintenance VLS will replace large and costly trainable launchers and will be the primary launcher on the Ticonderoga, Spruance, and Arly Burke classes of ships.

The recent flight test was the first of a planned series of three flights to validate technological and engineering concepts. These include a demonstration of DAC and TVC system operation, rocket motor performance, missile launch and maneuver to a ballistic trajectory, clean separation of the motor from the payload, airframe separation, and air stabilizer deployment and operation.

Anything so complex calls for an outstanding effort on the part of many organizations and individuals to succeed, especially in a limited time. As Burrell Hays, NWC's Technical Director told the VLA team following the successful launch, "I wish the Center's entire RDT&E community would have been here to witness this because it is the essence of the old China Lake spirit and 'can do' attitude."

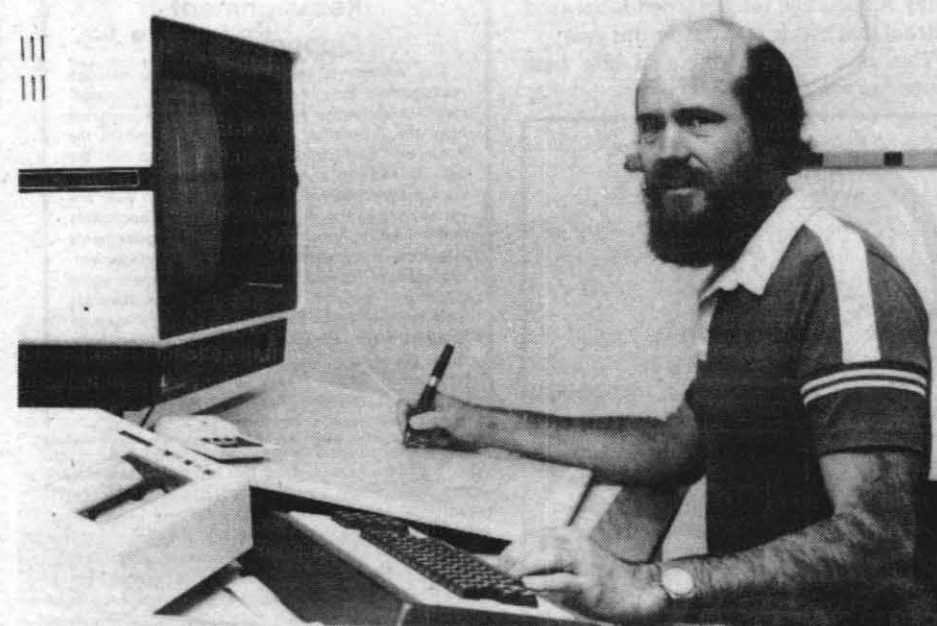
He continued, "I wish all could see the Center doing these challenging programs. It's exciting to see personnel from program management, testing, and the technical and support areas all pulling together as a single team. All these people have sacrificed many hours of their personal time to make this work."

Scott O'Neil, the VLA program manager in the Propulsion Systems Division of the Ordnance Systems Department, echoes Hays' words about the fantastic effort contributed by a wide range of organizations and individuals spanning the Center's workforce.

According to him, getting the tests accomplished on schedule called for work on weekends, holidays, nights (with some groups working round the clock), and total helpfulness and dedication from everyone involved.

He pointed out that despite the long hours, the quality of the work was also outstanding. "For a first shot, the kind of

(Continued on Page 5)



RECEIVES TECH DIRECTOR AWARD — Carter McCrary, shown operating the Computer Vision Interactive Graphics (IAG) terminal, recently received the NWC Technical Director's Award. McCrary, an engineering technician in the Weapons Department's Weapons Control Branch, was commended for creating an IAG capability within Code 39.

— Photo by PHAN Greg Hogan



PRELUDE TO TALK — Mary Kilpatrick, the Naval Weapons Center's Handicap Program Manager, and Capt. K. A. Dickerson, NWC Commander, meet with Mike May, a champion blind skier, who was the principal speaker at the Handicap Awareness Week luncheon held last week. In the foreground is Rickey, May's seeing-eye dog, who joined the group.

— Photo by PH3 Rick Moore

Blind skier provides guidance for working with handicapped

"Everyone is an individual, so it's important to focus on the abilities rather than the disabilities of those who have handicaps," Mike May, a blind ski champion told the audience at the third annual NWC Handicap Awareness Week luncheon.

He added that he felt blindness was a part of his personality that he needed to work with rather than being a handicap, and that it is essential for everyone to think about how they can work with any handicap rather than seeing it as an obstacle.

May, currently marketing manager for Final Technology, Inc., served as the first blind professional employed by the CIA, worked on analyses of political risk factors for TRW and has also worked for the Bank of America. In his work, he uses a braille computer that can interface with many other computers, and is concerned with developing other electronic aides for the blind.

His own blindness has not kept him from enjoying a wide range of sports, May says. During his growing-up years, he played flag football, soccer, wrestled, swam, and even played baseball (where he said his hitting ability was considerably better than his ability to catch a ball).

May began skiing as an adult, with his coach and guide, Ron Salvio, skiing two feet in front of him to guide him vocally down the slopes and around the gates for racing. Blind skiers in Europe, he said, used to have their guides behind them until he and his coach picked up three gold medals in the first international blind skiing competition in Switzerland.

Following this meet, he wrote a manual for blind skiers and racers; wryly, he noted that all the Europeans must have followed it because at the next races held at Innsbruck, he and his guide only took three bronze medals because everyone else now also skied with the guide in front.

He and his guide were invited to a reception at the White House that was held for members of the Winter Olympic team, during which President Ronald Reagan commended them by saying, "Your skill has done much to encourage others."

Before May was introduced by Mary Kilpatrick, Handicap Program Manager for NWC, Capt. K. A. Dickerson, NWC Commander, welcomed the group of Center personnel and guests from the State Department of Rehabilitation and Ridgecrest Mayor Anna Marie Bergens.

"I'm proud of the progress that the Center has made in employing people with disabilities," the Skipper said. "Currently about 10 percent of the work force have identified themselves as having moderate to severe disabilities."

In addition, he noted, funds have been made available for aides for handicapped individuals as well as to provide needed building modifications for those with handicaps.

One of the real successes, Capt. Dickerson added, is the contract for services that the Center maintains with the Indian Wells Valley Association for Retarded Citizens, a contract that now is \$112,000 for this year.

"This is a clear example of how both groups can win," he said.

Promotional opportunities

Applications (Standard Form 171) should be in the drop box at the Reception Desk of the Personnel Dept., 505 Blandy. Unless otherwise specified at an ad, applications for positions listed in this column will be accepted from current permanent NWC employees only. All others desiring employment at NWC may contact the Employment Wage & Classification Division, Code 097 Ext. 2564. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Advertising positions in the Promotional Opportunities column does not preclude the use of alternative recruiting sources in filling these positions. The filling of these positions through Merit Promotion is subject to the requirements of the DoD Program for the Stability of Civilian Employment. The minimum qualification requirements for all GS positions and positions subject to the Demonstration Project are those defined in OPM Handbook 1-118; those for all wage system positions are those defined in OPM Handbook C-118C. Applicants will be evaluated on the basis of experience, training, education, and awards as indicated in a written record consisting of a SF-171, at least one supervisory appraisal if it can be obtained, and any tests, medical examinations, interviews, and supplemental qualifications requirements that may be necessary. For managerial/supervisory positions, consideration will be given to applicant's support of the Equal Employment Opportunity programs and objectives. Applicants must meet time in grade and qualifications requirements by the closing date of the ad. The Naval Weapons Center is an Equal Opportunity Employer: selections are made without discrimination for any nonmerit reason.

No. C-35-454, Administrative Assistant, DA-341-1, Code 3502 — Responsible for providing administrative support to Department Staff and to the divisions and technical management offices. KSA's: K- S2k DBMS, ADP and MIS; K- financial management and budget analysis; K- management analysis, program monitoring, manpower staffing, facilities and space management. A- Communicate with personnel at all levels; resolve administrative matters; A- communicate orally and in writing. Prom. DA-2.

No. 33-122-84, Electronics Technician, DT-856-3, Code 3353 — Responsible for the operation and maintenance of the equipment used in the Operability Laboratory. Advises on plans and procedures for environmental and field tests of experimental and development models of electromechanical ordnance devices. Designs test setups and special apparatus necessary for performing these tests. KSA's: Knowledge — instrumentation, explosive ordnance devices, and electro-mechanical devices. Abilities — interface with people at various levels.

No. 33-125-84, Mechanical Engineer, DP-830-2/2, Code 3352 — (Two vacancies) Incumbent is involved in the development of fuzing systems including integration, design, development and test of electro-mechanical devices, fuzing and initiation systems and submunitions warheads and rocket motors. Duties include planning, budgeting, coordinating, and monitoring in-house tasks supporting these efforts; identifying problems, defining, proposing and incorporating solutions into planned effort. KSA's: Abilities — design, plan, budget, schedule, and evaluate programs, projects, and/or contractors; communicate clearly and effectively both orally and in writing; to interface with sponsors and NWC management. Status eligibles may apply.

No. 36-180, Supervisory General Engineer, DP-801-3/4, Code 3606 — This position is Deputy Program Manager for Harpoon Program Office. Incumbent manages various types of contracts, and provides technical direction to extensive contracts let by NAVAIRSYSCOM involving both the Navy and foreign buyers. Elements: Abilities: to provide technical and managerial direction and coordination of a major complex weapon system; to communicate well both orally and in writing to sponsors, superiors, peers, and subordinates. Knowledge: of naval procurement and systems acquisition process; of Navy funding system, funding cycle and fund differences; of diverse fields such as electronics, mechanical engineering, software, explosives, aerodynamics, propulsion, documentation, production assurance, safety and radar; of the design and operation of RF seekers, guidance systems, computers, ordnance packages, control systems, and turbine engines; and willingness to support Federal EEO policies and goals. Promotion to DP-4 must be approved by Center Management. This is a re-advertisement and previous applicants need not reapply.

No. 25-452, Administrative Officer, DA-341-2/3, Code 2502 — Responsible for providing comprehensive staff and management services to operating organizations within the Contracts Division. Includes coordination of all resource management, organizational analysis, administrative policy, and safety and security programs, and initiating management studies. Emphasis is placed on communicating and resolving administrative matters. Job Elements: Knowledge of NWC policies and procedures in the areas of personnel management and staffing; facilities management; safety and security requirements. Ability to communicate effectively both orally and in writing; to interface with all levels of personnel at NWC and DoD facilities.

No. 12-414, Interdisciplinary (Operations Research Analyst/Engineer/Electronics/Mechanical/General Engineer/Physicist), DP-1515/1520/55/830/80/1214-3, Code 128 — Incumbent works with NWC top management, NAVAIR, OPNAV, DNL and other laboratories in the conduct of planning studies which impact the future course of both Naval aviation and the Center. The incumbent will be responsible for developing and maintaining a macroscopic view of Navy needs, missions, and objectives to ensure that the analyses conducted consider the broad impact on Center planning. A strong technical background and understanding of Naval operations is desired. Job Elements: Ability to research and analyze

Reassignment Opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 08-028, Technical Advisor, DP-3/4, Code 81A2 — One year assignment located at the Naval Strike Warfare Center, Fallon, Nev. Excellent opportunity for an experienced NWC employee to influence tactical use of naval weapons. Incumbent will be involved in a range of Strike Warfare issues including tactics, weapon performance, weapon logistic plans and systems development plans. Incumbent should be a self-starting individual, capable of working independently. Job Elements: Incumbent must possess a good grasp of the Naval Weapons Center's organization, the Strike Warfare Programs, the Department of Defense procurement process and the Fleet's weapons logistics processes. To apply forward an updated 171 to Fred Benn or Tina Deal, Code 81A2, ext. 3753. Applications must be in by close of business Nov. 9.

pertinent information, identify key assumptions, focus on key issues while maintaining a broad Navy view, and draw relevant and supportable conclusions; write clearly and concisely; give oral presentations; deal effectively with people at all levels. Prior knowledge of Navy Budget and RDT&E processes, as well as a broad knowledge of NWC and Navy programs would be helpful. Previous applicants need not reapply.

No. 14-008, Multidisciplinary (Mathematician/Computer Scientist), DP-1520/1550-2/3, or (Computer Specialist), DS-334-3, Code 1433 — Incumbent provides data management system analysis services, provides debug/diagnostic assistance to users of data management software, develops turnkey data base management application systems, and performs systems programming functions, such as installing new utility programs and subprograms. Initially, the above system programming functions are associated with Intel System-2000. Subsequent efforts may include support of relational data base management systems. Job Elements: Knowledge and experience in the use of data base management systems, especially Intel System-2000, Sperry Cobol, and Sperry Job Control Language; knowledge and experience in data base design and development techniques; ability to interface effectively with people and to communicate clearly both orally and in writing. Status eligibles may apply.

No. 14-009, Multidisciplinary (Mathematician/Computer Scientist), DP-1520/1550-2/3, or (Computer Specialist), DS-334-3, Code 1433 — Incumbent provides data management system analysis services, provides debug/diagnostic assistance to users of data management software, develops turnkey data base management applications systems, installs new releases of Sperry Cobol, and develops utility programs/subprograms. Job Elements: Knowledge and experience in the use of Sperry Cobol and Sperry Job Control Language; and in data base design and development techniques; ability to interface effectively with people and to communicate clearly both orally and in writing; knowledge and experience in VAX-hosted data management software systems is desirable. Status applicants may apply.

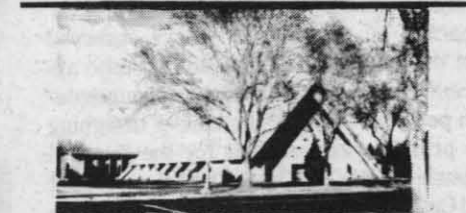
No. 22-044, Medical Clerk (Typing), GS-679-3/4, Code 2223 — Responsible for transcription of physicians' notes, sick call treatment reports, and injury reports into patient health records. Job Elements: Knowledge of medical terminology, procedures, conditions, and diagnosis; medical record systems. Ability to counsel patients, meet and deal with others. Status eligibles may apply. Previous applicants need not reapply.

No. 08-459, Budget Clerk/Assistant, GS-561-3/4/5, Code 0833 — Incumbent will provide assistance and backup to a budget analyst and assigned PMA. Maintains departmental fiscal files, changes status of job orders, reviews and corrects erroneous labor and/or budgetary process. Prepares journal entries, processes corrections of accounting data, and answers numerous queries for fiscal information and other budgetary duties. Job Elements: Interest and aptitude in working with figures; interest in the purpose and effect of prescribed procedures; and knowledge of Navy or NWC accounting and/or budgetary process. Promotion potential to GS-6. Status eligibles may apply.

No. 09-034, Computer Assistant, GS-335-4/5, Code 0981 — Part-time 20 hrs. a week. Assists and backup with the data entry function of the Personnel Automated Data System, using a UDS-2000 machine. Duties include coding, keying, and error checking of the Personnel data base; data base maintenance via S2K. Job Elements: Knowledge of personnel actions, of UNIVAC operating systems, of COBOL language, of System 2000 (S2K) retrieval language and updates. Experience in operating a computer terminal.

No. 12-415, Interdisciplinary (Computer Scientist/Physicist/Electronics/General Engineer), DP-334/1210/855/801-1/2/3, Code 123 — Incumbent will assist in generating operating systems for minicomputers, installing, updating and testing computers and related equipment; will design and/or modify such microprocessor based devices as communications systems, intelligence, intelligence graphics workstation. Job Elements: Knowledge and skills in computer programming in High Order Language (HOL), assembly language; digital design involving the use of microprocessors; Minicomputer Operating Systems (e.g., UNIX); computer interface protocols (RS232C, GPIB, etc.) and I/O schema; communicate effectively with NWC and contractor personnel, both orally and in writing; functions as a member of an aggressive, productive group; document own work IAW Group standards.

No. 12-416, Interdisciplinary (Computer Scientist/Physicist/Electronics/General Engineer), DP-334/1210/ (Continued on Page 7)



DIVINE SERVICES

PROTESTANT		
Sunday Worship Service		0830
Sunday School (Annexes 1, 2 & 4)		1000
Bible Study (East Wing, Wednesdays)		1130-1230
ROMAN CATHOLIC		
Sunday Mass (West Wing, Sunday)		0830
Confessions		1135
Religious Education Classes (Annexes 1, 2 & 4)		1630-1700 Friday 0745-0815 Sunday
JEWISH		
Friday (East Wing)		1930
UNITARIAN		
Sunday (Annex 95, as announced)		1930

Elks Lodge lead in Premier League cut to 3½-point margin

The Premier (scratch) League lead of the Elks Lodge keggers was cut to a mere 3½ points over the second place Thrifty Wash Laundry squad during Monday night's action at Hall Memorial Lanes.

The Elks came out on the short end of a 14.5 to 10.5 score in their match with the Olympia Beer team, while the Thrifty Wash bowlers were outpointed 14-11 by E&E Upholstery.

The best team performance of the evening was turned in by the Raytheon Sidewinders, who rolled both the high team game (989) and the high team series (2,842).

Two Premier League bowlers topped the 600 series mark. They were Gary Chancey (652), and Hub Zimmerman (632).

Those with single game scores of 220 or better were Zimmerman (247 and 228), Chancey (235 and 227), Pat Nalley (227), and Larry Nolan (225).

Targets lead flag football . . .

(Continued from Page 6)

of the hapless Wildcats.

The Wildcats got their second tally of the night when a pass, thrown by Polk of the Targets, was intercepted by Killough, who ran it back for a touchdown.

The Raiders, whose 2-1 record, left them in second place in the four-team league, struggled to a 13-6 win over the Wildcats.

A pass interception by Armstrong got the Raiders off to a 7-0 first half lead, after the extra point was tallied by Rory Ewing on a pass.

Jeff Eden ran the ball in for a Raiders' touchdown in the third quarter, but the Wildcats were able to claw their way back and get on the scoreboard via a pass from Cassidy to Fisher that made the final count 13-6 in favor of the Raiders.

The Raiders got off to a 20-0 halftime lead in their contest with the Vipers, and then coasted to a 39-6 victory.

Bill Tarallo began the scoring parade for the Raiders with a pass interception in the first quarter. The Raiders' followed up in the second period with a pass from Jeff Eden to Ralph Ruiz for a score, as well as a touchdown run by Rick Plante.

Youth Soccer League results . . .

(Continued from Page 6)

graders) of the Youth Soccer League.

Long return kicks by Robert Ricks, goalie for the Roadrunners, were instrumental in stalling the Fury attack in the scoreless tie that was played between the Roadrunners and Fury. At the opposite end of the field, Jim Vaughn, who manned the goal for the Fury, made an outstanding stop of a Roadrunners' scoring attempt in the first half.

The Express and Cobras also battled to a scoreless deadlock, and two other teams — the Chiefs and the Eagles — also were held scoreless, but they allowed their opponents (the Coyotes and Owls) to score 4 and 5 goals, respectively, to win by a comfortable margin.

Two goals by Thomas Agagni and one each by Andrew Grabowski and John

Burros knocked off by AV . . .

(Continued from Page 6)

The Ridgecrest team. A third down pass to Lewis that picked up 11 yds. and a first down at the AV 47 kept the drive going and, on the next series of plays, a gain of 7 by Lewis on a pitchout ended up with a penalty of 15 on the 'lopes that moved the ball to the 26.

Keeping the pressure on, the Burros broke Lewis loose for a gain of 15 to the 11 yd. line and, three plays later, Barkley passed successfully to Brian Haug, who was dropped at the 2. Lewis then plunged over for the score on the next play, enabling the Burros to avert a shutout. The try for the PAT on a kick by Tim Wee was no good.

The third quarter ended with AV in

Scorpions (under 19 team) shuts out San Bernardino Cosmos, 2-0

Moving to within a game of earning a berth in the Inland Empire Youth Soccer League post-season championship playoffs, the Scorpions (under-19) Soccer Club earned a hard-fought 2-0 victory over the San Bernardino Cosmos in a game played last Saturday afternoon at the Murray Junior High School soccer field.

In a tough, defensive struggle, the Scorpions broke the scoring ice on a goal by Scott Piri midway through the first half.

Piri, who received the ball just outside the penalty area, flicked the ball over the head of the nearest Cosmos' defender, jumped past him and brought the ball down out of the air before lobbing a 20-ft. shot over the head of the Cosmos' goalie.

There was no further scoring until the middle of the second half, when Piri initiated a scoring play with an accurate pass to Brian Collie. The latter tapped the ball toward the Cosmos net, where it was controlled by Joe Pakulak, who was running in diagonally from the left wing.

Pakulak went up high in the air and lobbed a header over the Cosmos' goalie and into the net for the Scorpions' second and final goal of the game.

Among the game's other stellar players for the Ridgecrest team was Jason Cherry, whose play as goalie was labeled "sensational" by Coach Karl Kauffman. Several

excellent saves by Cherry frustrated the Cosmos every time they penetrated the Scorpions' defense.

Cherry's burden was lightened by the topnotch play of Mike Mills, Brian Hayes, Neil Johnson, Roger Smith, and J. P. Placencia, defenders who were instrumental in the Scorpions' first shutout of the season.

Another of the keys to the victory was the defensive hustle by the entire Scorpion midfield of Piri, Bill Ledden, Scott Hannon, Doug Dragovich and Sam Greenmun, all of whom ran hard for the entire 90 minutes of the game. Joining the defenders, they forced the Cosmos to attempt shots from too far away to be really effective.

The Scorpions (under 19) team will play its final home game of the fall season tomorrow at Murray Junior High — taking on the second place Riverside Devils. Kickoff time is 1 p.m.

The Ridgecrest team will end the season on the road Sunday with the replay of an earlier game against the Redlands United team that was halted by a lightning storm.

The Scorpions can make the playoffs by being one the league's top four teams, but they must tie or win one of those two final games in order to do so, Coach Kauffman reported.

Promotional opportunities

(Continued from Page 2)

855-1/2/3, Code 123 — Incumbent is a member of a software team designing, developing and implementing an interactive, real time multiple weapon simulation to be used for the Weapons and Tactics Analysis Center (WEPTAC). This software will be a second generation version, ported to a Perkin-Elmer 3200 MPS system. Job Elements: Knowledge and skills in minicomputer systems (multiprocessing); FORTRAN, Data Base management systems (DBMS); assembly language; graphics applications; structured design; communicate effectively with NWC and contractor personnel, both orally and in writing; function as a member of an aggressive, productive group; document own work IAW Group standards. Status eligibles may apply.

No. 36-181, Computer Specialist, DS-334-2/3, Code 3664 (2 vac.) — Provides support to Weapons System Program Offices in data processing for the MIL-SD-1388 Logistics Support Analysis Record (LSAR) system, and is responsible for analysis, design, programming, testing, and documentation of the process for developing new software to enhance LSAR data utilization. Participates in the new LSAR system implementation, as well as adapting other systems/programs to run on local computers. Elements: Abilities: to handle a variety of assignments; to communicate clearly and effectively, both orally and in writing; to interface with Program Offices, sponsors, and contractor personnel. Knowledge: of COBOL programming as implemented on various computers, especially UNIVAC and IBM; of UNIVAC Executive Control Language and Conversational Time Sharing Systems; of Integrated Logistics Support (ILIS) desirable. Status eligibles may apply.

No. C-62-36, Electronics Technician, DT/DP-856-3, Code 6235 — Performs engineering design support for instrument development projects assigned to the branch. Coordinates the work of others in accomplishing design projects. KSA's: K- Computer hardware and digital systems; K- radar computer interface; K- signal processing A- Organize, plan and conduct design projects; K- computer radar interfacing.

No. 14-007, Interdisciplinary (General/Electrical/Electronics Engineer/Computer Scientist), DP-801/855/855-1550-3, Code 1421 — Incumbent will be the Communication Security Engineer responsible for planning, design and

No. 32-126, Munitions Destroyer Helper, WG-656-5, Code 3223 — Located in the Ordnance Logistics Branch, provides logistics support, transportation of hazardous and non-hazardous materials, and warehousing for the Ordnance Systems Department. Performs a variety of repetitive manual and mechanical tasks in the transporting and disposing of experimental explosives, propellants, and other hazardous materials. Receives, stores and ships these items. Elements: Reliability and dependability; shop aptitude; ability to follow directions in a shop; ability to work as a member of a team; safety and dexterity. Supplemental required. Promotion potential: WG-7.

No. C-62-32, Secretary, GS-315-4, Code 6204 — Provides fiscal control, planning and reporting, generating cost estimates, coordinating project plans and requirements for financial charges, reviews expenditures to ensure proper charging and maintains and controls an extensive plant account equipment inventory. Previous applicants need not reapply.

No. 26-099, Industrial Property Management Specialist, DA-1102-1, Code 268 — Provide technical support in the administration of contract provisions relating to control of Government property in the possession of contractors. Job Elements: Ability to communicate well both orally and in writing; ability to deal effectively with a variety of people, including contractors; mathematical aptitude. Promotion potential to DA-3.

No. 31-488, Interdisciplinary General/Electronics/Aerospace Engineer, Physicist, Mathematician, Computer Scientist, DP-801/855/861/1520/1550-1/2/3, Code 3113 — Provides hardware and software capability to develop, verify and validate operational flight programs (OFPs) for use in the A-7 Aircraft. Lead software engineer for the branch. Duties consist of analysis, design and testing real time simulation S/W models in the A-7 labs. Insure that all branch S/W is developed in compliance with the A-7 S/W development standards. Job Elements: Ability to communicate well, both orally and in writing; basic knowledge of fundamental software engineering principles; knowledge of assembly language is beneficial. Promotion potential DP-3.

No. 31-089, Interdisciplinary General/Electronics Engineer, Computer Scientist, Mathematician, DP-801/855/1550/1550-3, Code 3104 — Permanent duty station will be at NWC with a minimum of one year and a maximum of two years duty at Long Island, New York. Incumbent will be responsible for providing the interface between Contractor and Program Office personnel and working as a team on software designs, testing, coding and system analysis for the A-6 Upgrade and the Systems Weapons Integration Programs. Job Elements: Knowledge of Embedded Computers for tactical systems; ability to plan, schedule and coordinate technical work as part of a major project; ability to work independently and communicate effectively with personnel of all levels.

No. 33-127-84, Interdisciplinary Electronics Engineer/Computer Scientist/Industrial Engineer, DP-855/1550/856-1/2/3, Code 3318 — Design hybrid microcircuits, provide support to projects utilizing hybrids, support integrated circuit design projects using linear and gate arrays and standard cells. KSA's: Knowledge — linear and digital circuits, hybrid circuits. Abilities — learn hybrid construction techniques, work independently, communicate results to customers, and to work with a wide variety of people. Computer experience desirable.

No. 00-021, Secretary (Typing), GS-315-5/6, Code 03 — Position located in the Office of Laboratory Director and provides full range of clerical and administrative assistance to the Laboratory Director and staff members. Promotion potential to GS-6, but not guaranteed.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake

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Staff Photographers



News Stories deadline Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P. 35 revised May 1979 Office at Nimitz and Lauritzen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.
Phones 3354, 3355



Targets get jump on other teams in flag football league

The NWC Recreation Services' flag football season is off and running at Schoeffel Field, where games are scheduled on Monday and Wednesday evenings starting at 6:30 and 8:30 p.m., through Nov. 7.

At the end of the first three rounds of play, the Targets have established themselves as the team to beat by posting a trio of wins at the expense of the Raiders, Vipers and Wildcats by scores of 12-7, 30-6, and 45-14, respectively.

Results of other games played from Oct. 10 through 17 were Vipers 13, Wildcats 7; Raiders 13, Wildcats 6; and Raiders 39, Vipers 6.

The Targets rolled to a 28-0 halftime lead and then tacked on a second half safety in their 30-6 win over the Vipers.

Four touchdown passes by Poke Tomunoz sparked the Targets' offense in the first two periods of play. Kenny Robinson was on the receiving end of two TD passes from Tomunoz, who also hit Mark Rhodes for another one.

The Vipers averted a shutout in the fourth quarter when they scored on pass from quarterback Barton to Palmer.

The Targets, as the score indicates, also dominated their game with the Wildcats, whom they outscored four touchdowns to one in the first half and then tacked on three more second half scores to win, going away, by a final tally of 45-14.

The Targets scored twice in the first quarter on passes from quarterback Glenn Polk to Keith Williams and Kenny Robinson. Polk also scored on a run in the second period of play, and pitched another strike to Mark Rhodes for a touchdown before the half-time intermission.

The Wildcats tallied in the first half on a pass from Colley to Fisher. This play, which momentarily cut the Targets' lead to 20-6, covered 60 yds.

Two touchdown runs by Robinson and a pass from Polk to Mark Rhodes in the second half put the game further out of reach (Continued on Page 7)

Midway point reached in Youth Soccer League

Good weather and lively action made for interesting competition last Saturday, which was the midway point in the fall season of NWC Recreation Services-sponsored Youth Soccer League games.

With four more weeks to go, the undefeated Tornados and Sounders are setting the pace in Division 3, which is composed of teams made up of fifth and sixth graders.

Last Saturday, the Tornados edged the Whitecaps, 2-1, while the Sounders blasted the Kicks 8-2. Results of other Division 3 contests were Diplomats 4, Surf 1, and the Roughnecks and Rogues battled to a 2-2 tie.

In the see-saw battle between the Tornados and Whitecaps, the Tornados did all of their scoring in the first half — getting unassisted goals by Josh Dial and Ted Mechtenberg. The third quarter was a scoreless deadlock, but the Whitecaps' efforts paid off with goal by Randy Fortune, assisted by Chris Marshall, late in the final period of play.

A potent Sounders' attack proved too much for the Kicks, who were outscored 8-2 in the meeting between these two teams.

To their credit, the Kicks made the Sounders work hard for each score by demonstrating hard, accurate passing and good position play. The Sounders' scoring parade was led by Mike Maloney (3 goals), and Derek Lindsey and Lance Kilpatrick (2 goals each). In addition, Mike Kinne scored once for the Sounders.

The Kicks best showing on offense occur-

Burros, bounced by AV, take on Cowboys next

It's out of the frying pan and into the fire for the Burroughs High School varsity football team.

After losing by a decisive margin of 28-6 last Friday night in Lancaster to Antelope Valley, the Burros face the awesome task of taking on the undefeated Golden League-champion Canyon Cowboys, who will provide the opposition for tonight's Homecoming clash at the Burroughs High football field.

Kickoff time is 7:30 p.m. for the varsity tilt, which will be preceded by a sophomore game that will get underway at 4:45.

The always-tough Antelopes made it look easy as they scored twice (one touchdown was nullified by a penalty) during their initial series of plays on offense in last Friday night's game at Lancaster.

Helped out by a short punt that left them in good field position on the Burros' 43, the 'lopes struck quickly on a run by quarterback Walter Briggs that gave AV a first down at the Burros' 28. Three plays later, Briggs dropped back to pass, but ended up running the ball instead.

The fleet-footed AV signal caller cut across the field and rammed into the end zone from the 26, only to have the score canceled by a 15 yd. clipping penalty.

On the very next play, however, a short

pass to Freddy Green, the 'lopes 6 ft., 2 in., 210 lb. tight end, was good for a gain of 36 yds. and a first down at the BHS 12. A pop into the line by Geno Turner gained 3 before Briggs connected with Green again on a pass that resulted in the first of his three touchdowns for the night.

The extra point on a kick by Rene Hernandez gave the Antelopes a 7-0 lead.

Despite their best efforts, the Burros were unable to muster any kind of a scoring threat in the first period of play and later, near the end of the opening stanza, another short punt gave the 'lopes good field position on the BHS 36. This set the stage for the game's second touchdown.

Ted Metzgar, AV fullback, powered to a first down at the Burros' 24 before Briggs once again hooked up with Green on a pass that covered the remaining distance to the end zone. Hernandez' kick for the PAT was good with just 19 sec. remaining to play in the first quarter.

The Burros' first period formula of three plays (predominantly passes) and then a fourth down punt continued following the AV kickoff that opened the second period of play.

A good kick forced the 'lopes to start their next series of plays on offense from their own 20, and a penalty of 5 back to the

15 left AV deep in its own territory for the first time in the game.

The 'lopes had the remedy for that situation, however. It was another pass from Briggs to Green, who rambled all the way to the BHS 10 yd. line before being hauled down after a gain of 75 yds.

Two successive 5-yd. penalties on the 'lopes delayed touchdown No. 3, which then was tallied by Green on a pass from Briggs. The PAT by Hernandez followed with just 2½ min. played in the second quarter.

Leading 21-0, the 'lopes scored their fourth and final touchdown for the night 3½ min. later on their next possession of the ball. A high, short kick by Burros set the 'lopes up in good shape on the Burros' 46.

A 15-yd. run by Geno Turner of AV was turned into nearly a 30 yd. gain by a face-mask penalty that was tacked on when he was brought down. Moving from the BHS 20, a short gain of 3 by Metzgar was followed by a pass from Briggs to Green for a first down at the Burros 7.

A draw play, with Turner carrying the ball, opened up the middle of the line and Turner romped in for the score with just 6 min. left to play in the first half. Another PAT by Hernandez boosted the AV lead to 28-0.

While the 'lopes continued to stymie any efforts on offense by the Burros in the first half, they draw a blank on a scoring opportunity that was handed to them when a fumbled punt by the BHS safety was recovered by AV at the Ridgecrest team's 10 yd. line.

The next series of plays included a short gain on a run by Briggs and two incomplete passes before Hernandez was given the chance to try for a field goal that was blocked by the Burros.

The break provided by the halftime intermission enabled the Burros to regroup, stop the Antelopes, and force them to punt for the first time as the second half got underway.

From their own 20, the Burros drove 80 yds. for what turned out to be the local team's only touchdown of the night.

The drive began auspiciously with a 17 yd. gain on a pass from quarterback Steve Barkley to Tim Lewis, speedy tailback for (Continued on Page 7)

NWC varsity cagers open season Sunday at Twentynine Palms

The NWC varsity basketball team, led by Joe Parrie, as player-coach, will open its 1984-85 season with a 2 p.m. game on Sunday against the Marine Corps cagers at Twentynine Palms, Calif.

The China Lakers are pretty much an unknown quantity this season, as they have just one starting player, forward Otis Fisher, back from last year's squad.

Other returnees from the 1983-84 team are Parrie and Otis Gamble, a pair of guards, and Andre Moss, who can be expected to see action at either a forward or guard position.

Tentatively, the starting position at center goes to Mike Kauppi, who, at 6 ft., 1 in. tall, isn't all that tall for the post position.

Rounding out the squad at the present time are Buddy Suttles, a forward; Jesse Pigford, a guard-forward prospect; Maurino Mirador and Robert Bryant, both guards; and James Delley, reserve center.

Parrie would like very much like to get some additional candidates for the team to turn out for practice sessions that are being held at the Center gym on Mondays and Wednesdays, from 6:30 to 8:30 p.m., and on Thursdays from 8:15 p.m. until the gym closes.

Military personnel interested in playing on the NWC varsity basketball team are asked to make this interest known by showing up at the practice sessions, or contacting Parrie by calling NWC ext. 3609.

Following Sunday's game at Twentynine Palms, the NWC varsity basketball team will host the Fort Irwin (Army) hoopsters on Nov. 3 and 4.



LOOKING FOR RUNNING ROOM — Tim Lewis (No. 20), speedy tailback for the BHS varsity, was hemmed in by red-shirted Antelopes during most of the Burroughs vs. AV football game. Shown here being chased by Ted Metzgar (No. 34), Lewis led the Burros' ground attack by carrying the ball 21 times and gaining 88 yds. He also tallied the only touchdown for the Burros, who were outscored 28-6 by Antelope Valley.

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. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

QUESTION

Civilian Employee — I have had occasion to drive to the Range Control Center on Sandquist Road. The way people drive on that road is appalling. My question is why don't you have the security police out there checking on unsafe passing, on careless driving due to the sandy conditions of the road at this present time, and on high speeds far in excess of the posted limit? Thank you.

ANSWER

I am happy that you chose to report the traffic problem that you describe on Sandquist Road. All NWC residents and employees should report violations in a timely manner to the China Lake Police. This will enable them to take enforcement action at specific locations where unsafe driving practices are occurring.

Called-for services of the police make it impossible to have a police officer on Sandquist Road on a 24-hour basis. I have, however, ordered a step-up of traffic enforcement activity on Sandquist Road.

I feel that we must provide a safe environment for residents and employees of the Center. Perhaps this course of action will reduce accidents and, more importantly, save lives.

QUESTION

Civilian Employee — In a recent issue of the Rocketeer, there was a picture of an employee receiving an award from you. The photo was taken from an angle that made it difficult to recognize the individual.

I think when a person receives an award or an honor, his photo should be from the front so that people will recognize that person — not just the one who is presenting the award. Normally the Rocketeer does a pretty good job, but I thought that this photo ought to be called to your attention.

ANSWER

I concur with you wholeheartedly on this one. My photographer, who does an excellent job, goofed on this one. He tries very hard not to make the pictures look posed, but in this case I should have taken more care to get Werner Hueber's picture from the front and not his side.

Dinner meeting planned on Nov. 1 by RESA

A talk focusing on the future of America will be the highlight of a dinner meeting of the Research Society of America (Sigma Xi) that will be held next Thursday, Nov. 1, at Le Parc restaurant, located behind the Heritage Inn in Ridgecrest.

The meeting will be held to induct new members and set plans for the coming year and is open to all members, their guests, and the general public.

The evening will begin with a social hour starting at 6 o'clock. Dinner, which may be ordered from the menu, will be served from 7 to 8:15 p.m. while the business portion of the meeting is conducted.

Featured speaker of the evening will be Joseph Coates, president of J. F. Coates, Inc., who will discuss what impact demographic changes, the advances in computers and communications, and the integration of the United States into an evolving global economy will have on the lives of American citizens.

Tickets for the RESA dinner and meeting are priced at \$13. They may be purchased from Don Decker, phone NWC ext. 3247; Don Moore, ext. 1639; Guenter Winkler, ext. 2977; Dan Gillespie, ext. 3124; Francis Canning, ext. 3551; Glenn Roquemore, ext. 3356; Dave White, ext. 3089; Joe Rice, ext. 3249; or Jim Palmer, phone 446-7671.

Big effort to cut electric power use slated Oct. 31

Can the Center shed 3.4 megawatts of power during the peak period of electrical usage in a working day?

That will be determined in an exercise planned next Wednesday, Oct. 31, from 10:30 a.m. until 1:30 in the afternoon, when everyone on board will be asked to turn off electrical appliances, light switches or anything using electricity that can be turned off while still conducting normal business.

On Wednesday morning, China Lake police will drive through the family housing areas on board the Center and remind tenants (by using a loudspeaker system) of the electric load shed exercise so that tenants will remember to turn off any electric lights or appliances not needed at the time.

The Center and Southern California Edison Co. have an agreement that when the demand on the power grid exceeds the capacity of SCE to provide power, the Center will shed 3.4 megawatts of its load so that brownouts or rolling blackouts can be avoided.

Normally, peak demand for power on board is between 9 a.m. and about 3 in the afternoon; during those hours in October, NWC normally uses about 13 megawatts of electric power. The results next week's test will be used to determine what measures need to be taken to reduce power usage in case SCE requests such a temporary cut by the Center.

To determine how much of a power drop occurs, volunteer meter readers will be checking the meters in various areas of the Center (including the ranges and Rands-

burg Wash). These meter readings will show how successful the efforts to shed load are in various areas of the Center.

The Center's overall efforts to cut electrical power usage have been recognized by SCE in two ways: not only have awards been presented to NWC for its energy-saving programs, but also the Center is receiving rebates on its utility bills.

As a method of passing on some of these



LOADING — A rigger carefully guides the cannister into the appropriate module for the Vertical Launch ASROC test held recently.

Vertical Launch ASROC test. . .

(Continued from Page 1)

success that VLA had is absolutely incredible," he added.

The rocket motor was designed by the Ordnance Systems Department, and all the hardware (except for the motor cases) was built locally. O'Neil especially commented on the enthusiastic support that he received from the Center's machine shops in building the hardware. The motors were processed at the China Lake Pilot Plant.

The highest technical risk area was the development of the TVC system, also a

Code 32 responsibility. Like the motor, all hardware was manufactured locally except the Ford Aerospace pneumatic actuators, which were rebuilt at China Lake.

The DAC was developed by personnel from the Weapons Department, another outstanding effort, according to O'Neil. Code 39's Simulation Laboratory handled the extensive testing of the hardware in what O'Neil feels is the most complex simulation so far in the Lab. NWC in conjunction with Systems Analysis and Control of Ridgecrest, developed the control laws and staging algorithms.

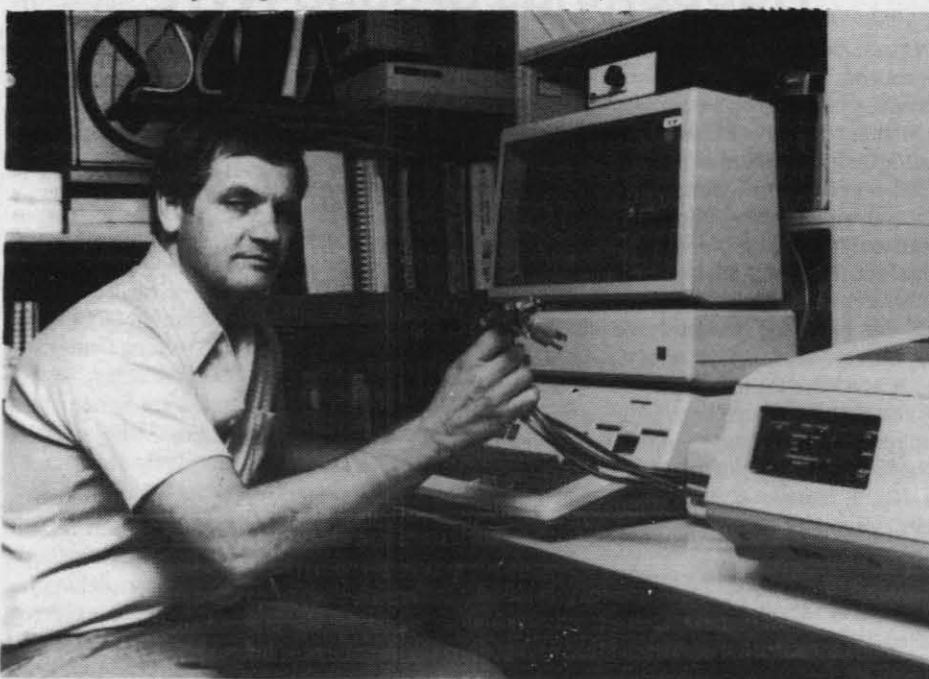
Engineering Department contributions, in addition to the machine shop, included the printed wiring boards and maintenance of overall program quality through diligent applications of disciplines such as reliability, quality control, system safety, data documentation, and configuration management.

A total of eight rocket motors have been tested at the Range Department's Skytop facility since January. A lot of people on the ranges, at the test facility at Skytop, and at the environmental facilities at CLPP and in Michelson Lab contributed a significant effort as well, says O'Neil. The outstanding support given by Range Department personnel in preparing the test site and conducting the flight test was matched by those from the Aerosystems Department, which held responsibility for the telemetry.

And the support of the Center's management, across the board, was also essential for the success achieved, O'Neil asserts.

He notes that many major technical problems had to be overcome to achieve the test, but notes that "when you are on as tight a schedule as we are, even the little problems tend to look major."

Following the current series of flight tests, VLA will be ready for a Milestone II decision to enter full-scale engineering development in fiscal year 1985.



PULL THAT PLUG! FLIP THAT SWITCH! — Garyl Smith, who heads the Naval Weapons Center's Energy Program Office, demonstrates how to take part in the Center's energy load shedding exercise. Next Wednesday from 10:30 a.m. until 1:30 in the afternoon, everyone on Center is asked to turn off any equipment not in use and to turn off all lights not immediately needed to determine how much the Center's electrical load can be reduced without affecting the Center's mission.

Navy Hotline

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Call: (800) 522-3451 (toll free)
288-6743 (Autovon)
(202) 433-6743 (commercial)



WELL-DERIVED RECOGNITION — Cy Ebersberger, security coordinator for the Office of Finance and Management, is congratulated for the superb job that he did (along with all employees of Code 08) which resulted in presentation of the Security Achievement Award for this year to Code 08. Ebersberger received a letter of commendation for his work as security coordinator, and Dr. Dick Kistler, who heads Code 08, accepted a plaque on behalf of the department. — Photo by PHAN Greg Hogan

Technical Director Award . . .

(Continued from Page 1)

NWC's point of contact on electronic design documentation utilizing Interactive Graphics as the primary tool in performing this work.

McCrary worked closely with the Engineering Department's IAG organization in training, validation of ComputerVision's software, participation in IAG working groups, and taught the electronics section of a class entitled "Management Overview of Computer Aided Engineering Systems."

In addition, the honoree coordinated the training and work of four of Code 3921's engineering technicians (drafting), other Code 39 engineers and technicians, as well as contractor personnel from the Center's IAG facility.

Due largely to McCrary's efforts, his department head wrote in nominating him for the Technical Director Award, there are now five highly trained and well motivated employees capable of keeping four terminals and one digitizer in full-time operation within the Weapons Control Branch. The work output has increased, while documentation errors have decreased as a result of these efforts, it also was noted in regard to McCrary's contributions.

Since the Vertical Launch ASROC was the first project of any size to have its printed wiring board designs done on the ComputerVision system at NWC, there was a considerable amount of development work that had to be done to smooth out the process.

McCrary was put in contact with the people in charge of the VLA contractor's computer aided design/computer aided manufacturing (CAD/CAM) facility (Goodyear Aerospace) to find out what problems, if any, might be involved in the transfer of printed wiring board data files to them.

Test tapes were made and information was shared regarding library components and other potential areas of conflict. The end result was that the data transfer to Goodyear Aerospace took place without a hitch. In the latest revision, the printed wiring board designs were transferred on a single reel of magnetic tape to the contractor, whose employees successfully loaded the data into their system and were immediately able to access the data for further revisions, or for manufacture.

McCrary first came to China Lake as a

summer employee while attending Fresno State University, and started to work here full time as an engineering draftsman in Code 3921 in 1972. As an engineering draftsman, he was involved in preparing documentation and working on the design of printed wiring boards, as well as electromechanical packaging for such programs as the Vertical Seeking Seat, Floating at Sea Targets, and conversions to drone aircraft of the F-86 and the T-38.

More recently, in addition to designing the printing wiring boards for the Vertical Launch ASROC, McCrary was involved in similar work for the guidance and control computer system on the Advanced Common Intercept Missile Demonstration.

The latest recipient of the NWC Technical Director's Award currently is working on the design documentation for the Sparrow missile tail control project.

"Without computer-aided design/computer-aided manufacturing (CAD/CAM), the changes required for VLA within a short time frame wouldn't have been possible," McCrary said, but added that it was far from an individual effort.

Working with him are graduates from the Upward Mobility and Co-op Programs who, benefiting from McCrary's on-the-job training, have developed into outstanding engineering technicians. This group includes Nancy Arnold, Sue Nickell and Gwen Hopkins, all engineering technicians in Code 3921, and Theresa Smith, who is a participant in the Co-op engineering technician program.

Happenings around NWC

Naval Weapons Center personnel, dependents or contractors who wish to obtain either a badge or a pass will, beginning on Monday, find this service provided in the Visitor Center building at the main gate.

The move to this location is being made as a convenience to customers, since it will mean only a one-stop check-in for both a vehicle sticker and a personal badge.

The same telephone number, NWC ext. 2865, can be called to contact employees of the Safety and Security Department's Badge and Pass Issue Section.

Even though this change is being made, employees still will be required to process through the main office of Code 24 in Building No. 8 (corner of Blandy Avenue and Knox Road) for personnel security clearance information.

HOUSING SURVEY FORMS DUE

A military family housing survey is being mailed today to all married military personnel on board, and should be received by Monday's mail delivery.

The information gathered from these forms is the basis for support for recreation, welfare and morale programs, including such programs as the child care

Office of Finance, Mgm't garners NWC Security Achievement Award

At the first of the eight sessions of "Security '84," the third annual security seminar held for all Center personnel, Capt. K. A. Dickerson, NWC Commander, presented the first Security Achievement Award to the Office of Finance and Management.

The award, which will be presented annually, honors the department that has the least number of security violations or infractions during a fiscal year in relation to the total number of personnel in that department. It consists of a plaque to the department and a letter of commendation to its security coordinator.

In accepting the award, Dr. Dick Kistler, head of Code 08, said that he felt that the honor should be shared by Cy Ebersberger, the security coordinator, and by all personnel in Code 08 who have remained conscious of the need for security and conscientious in following security requirements.

Focus of "Security '84" was summarized by the Skipper, who said "We are all committed to improvement, but we will not achieve success in improving our security unless we all assume personal responsibility for doing so."

He emphasized that with a budget of \$550 million this year, the more than 6,000 personnel on board "must protect the assets entrusted to us."

More than 120 personnel returned advanced questionnaires listing comments and special concerns; these were addressed throughout the seminars by various speakers.

Larry Crum, head of the Visitor and Internal Security Branch of the Safety and Security Department, mainly addressed issues of physical security such as ensuring that classified material is never unattended.

He said that hostile forces were most interested in acquiring data on sensor technology, electro optical technology, signal processing, and technical documentation on weapons systems, making NWC a prime target for espionage.

Crum also pointed out that employees should not wear their passes once they exit the Center.

Two bright spots of the Center's security picture were reported by Jerry Zaharias, NWC ADP Security Officer, and John Hopeck, the senior Naval Intelligence Service agent on board.

Zaharias said that Automatic Data Processing/Office Information Systems violations dropped from 71 in 1983 to zero this past year. He reminded all ADP/OIS users that they must be eternally vigilant to protect this record, and that they must be aware of such considerations as not drop-

ping ADP printouts into the trash.

The thrust of the ADP security effort, he said, was not policing, but educating personnel about how to protect their assets.

Hopeck said that serious violations referred to NIS were down from 24 to two, and that increasing numbers of Center personnel are contacting his office to ask questions, get briefings, or report concerns.

He also warned everyone to be careful about what is discussed in telephone conversations because many phone conversations are relayed by microwave.

Hopeck underscored the importance of being careful where any classified information is discussed to ensure that it cannot be overheard by unauthorized persons.

NWC is a dense repository of valuable input for this nation's adversaries, Paul Blatch, who discussed Operations Security (OPSEC), said. OPSEC, he noted is the Command capability to look at its security and identify and solve problems.

It not only focuses on sensitive data but also views NWC information handling procedures from the standpoint of an adversary.

Blatch reminded everyone of the constant need to be alert, aware, and careful about information, with regard to small as well as large amounts of information.

He emphasized again the need to assume that any telephone conversation could be monitored by unfriendly ears, and to discuss sensitive or classified information only in a secure area.

Blatch summed up "Security '84" with "The biggest factor in maintaining security is your own awareness."

Police reports . . .

At 12:20 p.m. Saturday, officers served a warrant on an NWC resident and transported him to the Ridgecrest jail for further action. When stopped for a minor traffic violation at the intersection of Hussey Road and Blandy Avenue, a drivers' license check showed that the individual was driving on a revoked license. There was also an outstanding warrant against the same person.

UNLICENSED DRIVER STOPPED

A routine vehicle inspection at 12:31 a.m. last Saturday resulted in an unlicensed 16-yr.-old male being held for driving without a license. He was released to his parents.

MISSILE PATCHES STOLEN

Unknown persons removed four cloth patches (Tomahawk, Navy Maverick, Laser Guided Penetrator, and another patch) from a bookcase in Rm. 1051 of Michelson Laboratory, according to a report filed at 1:55 p.m. Monday. Estimated value of the missing patches is \$25.

Resume Standard Time



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.

Annual CFC fund drive launched at meeting of department reps.

"You've got a unique opportunity to know the satisfaction that comes from helping others," Tom Boggs told key personnel from each department gathered at the Combined Federal Campaign kickoff meeting held last Friday.

Boggs, representing agency members of the United Way of Indian Wells Valley, told how the contributions made through the CFC helped his own agency — Salvation Army — help those in need locally.

"People helping people can do things no government agency can do," Boggs said, pointing out that "money goes a long way because the primary work of many agencies is accomplished by volunteers."

"It's you folks who make the real difference," Boggs told those who will be aiding in the collection of pledges and pledge cards from all Naval Weapons Center personnel.

The CFC is a "once-for-all" drive representing local agencies through the United Way, National Health Agencies, International Service Agencies and National Service Agencies, as well as several agencies listing themselves as independents.

Donors may give either through payroll deduction (starting with the first check next January) or in cash. In either case, all donations are fully tax deductible.

Everyone is encouraged to designate his or her donation to one or more charities of personal choice. "With more than 130 charitable or educational agencies listed," says Loretta King, who is chairing this year's CFC with Natalie Harrison, "everyone is sure to be able to find a favorite."

Money not specifically designated will be divided among the major groups.

Key personnel and the departments that they represent are: 00, 08, Cy Ebersberger; 01, Betty DeBold; 02, Roy Parris; 03 (staff), Charlene Stevens and Lt. J. P. Ledbetter; 06, Alan Alpers; 09, Greg Morrow; 12, Warren Stump; 21, RMCS Steward Caldwell; 22, Phyllis McKinney; 23, HM William Hogan; 232, HMI Anthony Spragins; 291, Pat Sarrett; 292, Edna Laytart; 24, Donna Pettit; 25, Richard Reyes; 26, Les Saxton.

Others representing their departments are, for Code 31, Bill Webster; 32, Lee Gilbert and Bob Mullins; 33, Richard Perrine; 34, Earl LaFon; 35, Dr. Mike Stallard; 36, Richard Loraine; 38, Dr. Arnold Nielsen; 39, Arlo Mickelsen; 61, Jack Kavanagh; 62, Sue Stocker; 62 (EOD), L.Cdr. Terry Briggs; 64, Ellen Brackey; 82, Debra Stoessel; 97, Bill Giuliani; PSD, PN2 Allen Webb; and VX-5, Lt. Gerald Shuman.

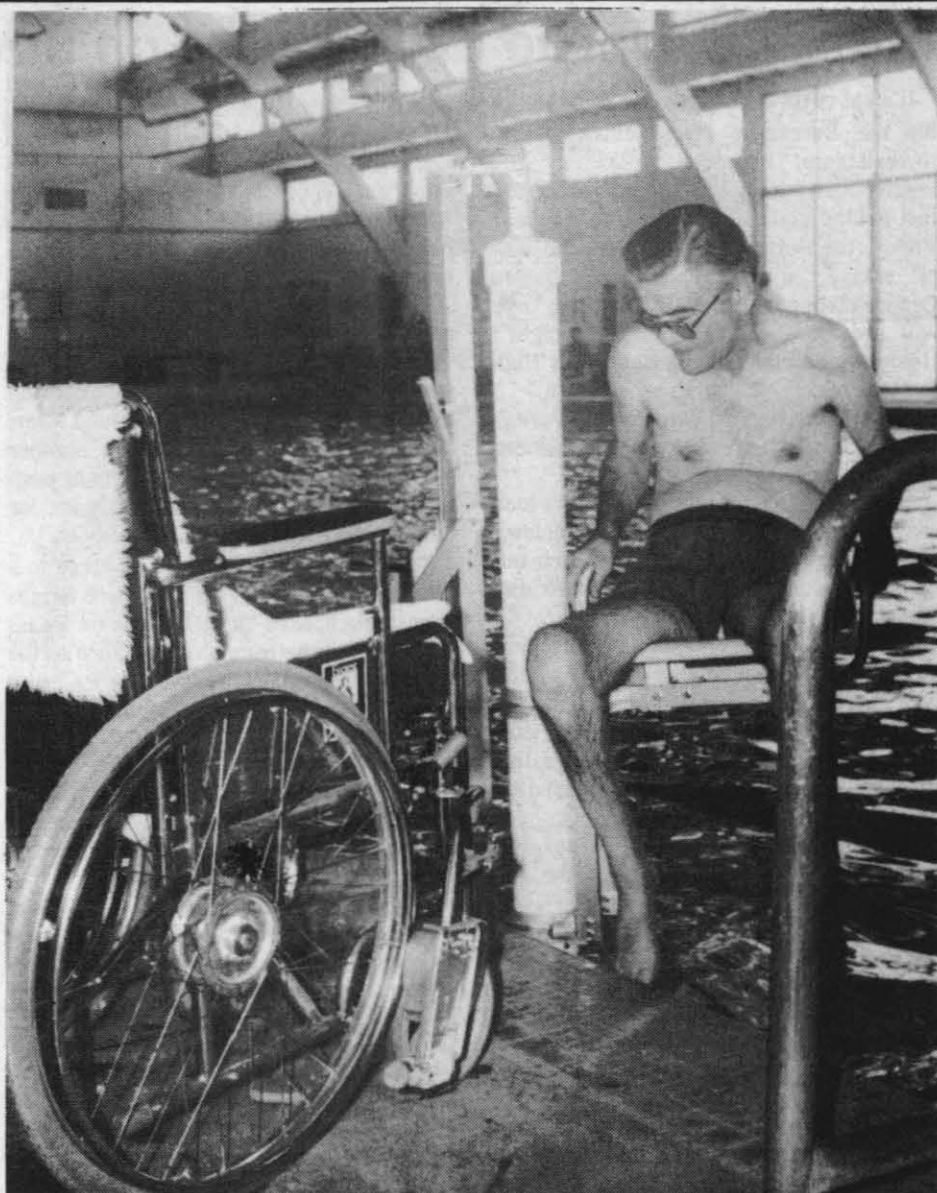
The IWV team, which specializes in mine rescues, was called out at about 10:30 a.m. last Friday, Oct. 19, and responded promptly, taking with them their mine hoist and breathing apparatus because they knew that the operation would take place underground.

Since they were the first team on the scene, they assessed the situation, decided that they needed expert technical advice (for which they summoned Dr. Carl Austin, who remained on the scene throughout the rescue efforts), and then entered the mine by Friday evening.

A number of the IWV team members had to enter the mine under extremely hazardous conditions. The tunnels and shafts zigzagged underground; one of the tunnels, for instance, was less than 2 ft. in diameter. The condition of the bracing for the tunnels was unknown, and air quality was such that three men underground had to use breathing apparatus as they established a fresh air supply at three separate points on their way down to the trapped miner.

Members of the IWV team worked continuously throughout the rescue attempt. They were joined Saturday morning by a team from Death Valley, the American Borate Mine Search and Rescue Team, whose members also assisted in efforts to reach Madsen.

By Saturday evening, American Borate team members reached a point where they were able to see the body of the fallen miner and to visually determine that he



INTO THE WATER — Dick Morrison, a supervisory auditor on the Center's Internal Review Staff, uses the pool lift recently installed at the indoor swimming pool to lower himself in and out of the water for his regular swim session. Lifeguards at the pool will set up the pool lift for anyone in a wheelchair who wishes to use the pool.

IWV Search, Rescue team makes attempt to recover miner's body

Eighteen members of the Indian Wells Valley Search and Rescue team joined in a futile effort to save Roy Madsen, 42, whose body had to be left more than 175 feet underground in the century-old Governor Mine about 1½ miles north of the Antelope Valley Freeway near Acton last Saturday.

Madsen, listed as superintendent of the gold and silver mine which had recently been purchased by Pac West Development Corp., was exploring the mine with two other miners to determine if it should be reopened when he reportedly fell after encountering unidentified fumes. The mine had been closed for more than a quarter century.

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By Saturday evening, American Borate team members reached a point where they were able to see the body of the fallen miner and to visually determine that he

had not survived.

Since the conditions of the mine and the size of the tunnels were such that removing the body would have been virtually impossible, the decision was made by state and federal mining officials on the scene to withdraw the team and close the mine until a recovery plan can be drawn up.

Dr. Austin and IWV SAR members are currently developing a proposal for such an operation.

IWV SAR team members who participated in the rescue effort were Ron Smith, team captain; Dan Smith, surface lieutenant; Jim Baldwin; Louie Allen; David Moore; Harold Parsons; Charles Rodgers; Jim Crow; Joe Grossardt; Daryl Taylor; Dennis Clodt; Larry Thompson; Hulen Fragement; Gary Hobson; Bill Moen; Jack Thornberry; Chuck Laboda; and Rick Winiford.

Capt. K. A. Dickerson, NWC Commander, expressed his pride in the courage and professionalism demonstrated by the IWV SAR team members, the majority of whom are Center employees.

Military pay raise upcoming. . .

(Continued from Page 1)

ficer continuation pay has been approved for FY 85 for sea-based naval aviators; authority to promote lieutenants who serve in certain designated lieutenant commander billets to LCDr. for pay and allowance purposes has been continued for another two years; and the Navy has authority to promote limited duty officers (LDOs) to the grade of captain. Previously, the promotion of LDOs was limited to the grade of commander.

Beginning on Jan. 1, 1985, special duty assignment pay (SDAP) up to \$275 per month may be made to enlisted military personnel who are required to perform extremely demanding duties that call for an unusual degree of responsibility.

A new GI Bill is included in the FY 85 Defense Authorization Bill. It covers those who are eligible for the Vietnam era GI Bill, as well as other service members. The provisions make it attractive for Vietnam

Progress reported on Michelson Lab phone installation work

Phase One of the installation of a new telephone system in Michelson Laboratory has progressed to the point that employees housed in first-floor offices and labs soon will be able to make telephone calls to and receive calls from their co-workers throughout the Naval Weapons Center.

Damage to the telephone system, which was wrought by the extensive flooding that occurred during a downpour of rain that flooded the lab basement in mid-August, made it necessary to install a new phone system in Michelson Lab.

This work, which is being handled under a contract awarded to General Telephone of California, was begun on the first floor of the lab. At this time, however, those with new phones can call only one another on the lower floor of the huge building.

By next Friday, Nov. 2, it is expected that these new phones will be usable for calls anywhere on or off the Center, Earl Wicker, head of the Telephone Administration Office in the Public Works Department, reported.

This will clear the way for extending the new phone system by around the first of the year.

The NWC Telephone Administration Office currently is in the process of putting together a new telephone directory that will list the new phone numbers. This directory will be augmented when the new phone system also is functioning on the second and third floors of the lab.

While this work is progressing in Michelson Laboratory, workmen of Vector Telecommunications of Sacramento, Calif., next week will begin pre-wiring the new Engineering Laboratory adjacent to Michelson Lab.

Completion of this task will enable those who will be housed in this new structure to move in during December.

At the same time that all of the aforementioned work is underway, the Continental Telephone Co. is continuing to provide support for in-place telephones at all other locations on the Naval Weapons Center. This includes telephone moves and changes and telephone cable maintenance.

College offers class in stress management

A short-term class entitled "Stress: Sources, Management, Prevention" will be offered at Cerro Coso Community College.

The course is designed to give students an understanding of what stress is, its causes and effects, and to teach skills and techniques for coping with stress.

Among the skills that will be taught are how to cope with a crisis, reducing stress in interpersonal relationships, dozens of "helpful hints" for stress management, and various relaxation techniques.

This half-unit class will be offered on Nov. 1, 8, and 15 from 7 to 10 p.m. in Room 8 at the Cerro Coso City Center, 737 W. Ridgecrest Blvd. The instructor is Dot Landis.

era eligible personnel to remain on active duty.

Additionally, there is authority to authorize reimbursement for dependents of personnel stationed in Alaska and Hawaii to travel on commercial airlines at government expense to the continental U.S. for emergency medical care not available locally.

The message from the CNO concludes: "This Authorization Bill is good news for Navy people and Navy readiness. While we did not get all we asked for, major compensatory strides were taken in behalf of our people who continue to perform so selflessly and professionally."

"You can be assured that both the civilian and military leadership in Defense, as well as the large majority of Congressional leadership, are not only sympathetic to your needs and concerns, but also taking strong actions to satisfy them," the message from Admiral Watkins concluded.

Looking For Equipment?

Call the Equipment Locator Service
(Code 02A22) at ext. 2101. We're
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