



CPOM REFURBISHING COMPLETED — The pool area of the Chief Petty Officers' Mess now sports a patio, complete with a sun shade, a bar, and a refrigerator. Extensive alterations and improvements were completed recently, and food service at CPOM has resumed. — Photo by PHAN Greg Hogan

Premium books for DEF now available; entries due Sept. 4

Now is the time for potential exhibitors to start planning what they will want to enter in competition at the 34th annual Desert Empire Fair that will be held in Ridgecrest from Oct. 3 through 7.

Premium books are available listing the categories of arts, crafts, photography, baked goods, preserved foods, home arts, clothing and textiles, and horticulture that are included in the competition.

Premium books for those who wish to enter the exhibit competition are now available at the Desert Empire Fair office and at the Ridgecrest, China Lake, and Trona libraries; at the Senior Citizens Centers in Ridgecrest, Inyokern and Randsburg; the Ridgecrest Chamber of Commerce office; NWC Credit Union offices; Buttons and Bows; Eve's Yarn Shop; Fabrique; the Hobby House; Albertson's and Safeway Markets; and at the County Feed Barn in Inyokern.

The deadline for entries is Sept. 14. Anyone wishing more information is invited to contact the Desert Empire Fair office by calling 375-8000, or Kathy Hawley, phone 375-2105.

Labor Day sale at Navy Exchange offers savings in all depts.

The Navy Exchange (NEX) is promoting a Labor Day sale, beginning Aug. 29 and continuing until Sept. 2. Items in every department, from clothing to picnic supplies and utensils, will be on sale.

In addition, the NEX is having a back to school special on calculators, typewriters, and home computers during the same time that the Labor Day sale is in progress.

The dispensing optician at the NEX will be on vacation from next Tuesday, Aug. 28, until Tuesday, Sept. 4. However, there will be an employee available to accept and place orders for single-vision prescriptions.

The NEX provides its customers with a rain check policy that guarantees a comparable item at equal or greater savings, or later availability at sale price, if an advertised item is not available on special purchases and limited quantity merchandise.



A family barbecue and picnic will be held tonight at Solar Park and at the Enlisted Mess pool from 5 to 10 o'clock. Grills will be available for those who'd like to barbecue, and everyone should bring a picnic dinner. (No alcoholic beverages will be allowed.)

Water relays in the pool, ultimate nerf, Frisbee golf and parachute games will be among the activities offered. The evening's program is free of charge.

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This evening, the Chief Petty Officers' Mess will be serving prime rib of beef and white fish as the entrees for dinners served from 6 until 8. No musical entertainment is scheduled tonight, since the CPOM is preparing for its annual Hawaiian luau tomorrow evening.

Clubs, organizations to be in limelight Sat. at Joshua Hall

As many as 50 local clubs and organizations will be represented at the "Ridgecrest Has It All Day" tomorrow from 9 a.m. to 5 p.m. in Joshua Hall at the Desert Empire Fairgrounds in Ridgecrest.

This event, sponsored by the Ridgecrest Chamber of Commerce in conjunction with the Indian Wells Valley Council of Organizations, will provide an opportunity for local groups, such as the Sweet Adelines (a singing club) or the Desert Planters (a gardening group), to be seen or heard by local residents in the hope of attracting new members or other support for their activities.

Entertainment is planned throughout the day. Snacks and beverages will be offered for sale, and special projects of many of the groups will be displayed.



PASSES INSPECTION — MScS T. C. Aduna, manager of the Chief Petty Officers' Mess, inspects a new oven that was installed as a part of the extensive alterations and improvements done to the club. Food service, suspended while the renovations took place, has been resumed. — Photo by PHAN Greg Hogan

Entry by local hobbyist gets 2nd at Plastic Modelers' Convention

A reward for spending many a hour finishing the fine details required in constructing a plastic aircraft has paid dividends for a contractor employee on the Naval Weapons Center.

Larry McCarley, an auto mechanic employed by Pan Am in Public Works, recently won second place in a model building contest held by the International Plastic Modelers' Society during a convention held in Atlanta, Ga.

McCarley's prize-winning entry was a 1/48th scale model of an F-4C Phantom jet aircraft that he built and modified from a plastic kit.

In spending over 300 hours modifying and detailing the kit, he completely rebuilt the cockpit interior to include harness straps on the ejection seat and a detailed instrument panel.

Other changes made by McCarley included adding aluminum foil on the leading edges of the air intake scoops and dozens of other fine details that helped him garner the top runner-up honor for his model aircraft.

McCarley's efforts were judged superior to more than 50 other entrants, including a professional model builder from Hollywood.

The local model-builder placed second behind Mike Fritz, from La Habra, Calif., who took first place with his model of an F-15 "Streak Eagle."

McCarley, who began building models as a youth growing up in Trona, began serious model building and displaying his work about six years ago, and has been a member of the High Desert Scale Modelers' Association for the past year.

Currently McCarley is working on a replica of an F-18 having VX-5's identification logo, and intends to show this model aircraft after it is finished sometime later this year.



MODELER WINS AWARD — Larry McCarley, a Pan Am employee in the Public Works Department, displays the model of an F-4C Phantom jet aircraft that won a second place award in the International Plastic Modelers' Society model competition during the society's convention held recently in Atlanta, Ga.

MOVIES

REGULAR STARTING TIME 7:00 P.M.

FRIDAY AUGUST 24
"FRANCES"
Starring Jessica Lange and Sam Shepard (Drama, rated R, 140 min.)

SATURDAY AUGUST 25
"SUDDEN IMPACT"
Clint Eastwood and Sondra Locke (Action-Drama, rated R, 117 min.)

SUNDAY AUGUST 26
"MAN, WOMAN, AND CHILD"
Starring Martin Sheen and Blythe Danner (Drama, rated PG, 101 min.)

MONDAY AUGUST 27
"WEEKEND PASS"
Starring D.W. Brown and Peter Ellenstein (Comedy, rated R, 89 min.)

TUESDAY AUGUST 28
MATINEE 2 P.M.
"RABBIT TALES"
(Animation, rated G, 74 min.)

WEDNESDAY AUGUST 29
"DEATH OF A LOUSE"
Starring Alain Delon and Ornella Muti (Drama, rated PG, 123 min.)

THURSDAY AUGUST 30
MATINEE 2 P.M.
"ROBIN HOOD"
(Animated, rated G, 83 min.)

FRIDAY AUGUST 31
"AMITYVILLE II: THE POSSESSION"
Starring James Olson and Burt Young (Horror-Drama, rated R, 105 min.)

Chief Petty Officers' Mess Hawaiian luau set tomorrow night

Tomorrow evening, the patio at the Chief Petty Officers' Mess will be the setting for the CPOM's annual Hawaiian luau, sponsored by NWC Recreation Services Department.

This gala event, which is open to all hands, will begin at 5:30 p.m. with a social hour.

At 7 p.m. a dinner featuring Hawaiian cuisine will be served until 9 o'clock, after which there will be dancing or listening to the music of Seanoa and The Polynesian Extravaganza until 1:30 a.m.

Tickets, priced at \$16 per person, are in limited supply. Those interested in attending should obtain their tickets as early as possible today.

Customized coffee cups for sale at Hobby Shop

The Hobby Shop complex, located behind the WACOM Thrift Shop, is now selling customized NWC coffee cups that can be personalized, if the purchaser wishes his or her name added.

The cost of the cups is \$2.50. The charge for adding the owner's name is another 50 cents.

Interested persons may place an order Monday through Friday, 9 a.m. to 8 p.m., and on Saturdays from 10 a.m. until 4 p.m. The Hobby Complex's fast service will fill the order within ten days.

Anyone who would like to purchase a coffee cup can obtain additional information by calling NWC ext. 3252.

U.S. Government Printing Office: 1984-No. 1023

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Flood wreaks havoc at Michelson Lab

Formidable task of 'getting back to normal' underway

The formidable task of "getting back to normal" following the rainstorms that hit the Naval Weapons Center and surrounding areas on Aug. 15 is moving ahead this week, after NWC officials have had the opportunity to get a good look at the situation and set recovery effort priorities.

Damage estimates could reach as high as \$25 million, principally from the flooding of the basement of Michelson Laboratory. Stair wells leading to the basement were full — indicating the 12-ft. level of the water in the laboratory — and there also were several inches of water on the first floor of this major NWC structure from which all employees were evacuated at around mid-day on Aug. 15.

A quick glance inside the main entrance of the laboratory on the day of the rainstorm and flooding offered a view of



LABORATORY LOBBY FLOODED — Flood water that accumulated in the basement rose to the first floor level of Michelson Laboratory and flowed out the main entrance, and other exits as well. Displays in the lobby of the laboratory are reflected in the water that rose to a level several inches in depth on the first floor of the laboratory. — Photo by Don Cornelius

Starting this past Monday, Aug. 20, the Public Works Department went on a work schedule of 10-hours-per-day, seven-days-a-week, with attention focused almost entirely on the work necessary to overcome the storm-caused damage at Michelson Laboratory.

Only emergency calls for service by Public Works are now being handled, and this will continue to be the case until further notice. Work in areas where routine maintenance or repairs had been scheduled prior to the storm will be postponed until the major task at hand can be accomplished.

The water-covered floor of the laboratory lobby, while just down the hall in the Michelson Laboratory auditorium, only the tops of chairs could be seen emerging from water that reached nearly to the level of the stage.

First priority in the damage repair work has been assigned to the Computer Wing in Michelson Laboratory, now that the basement of the laboratory has been drained of an estimated six million gallons of water that collected there during the storm.

NWC Fire Division trucks were used for three days to pump the water from the lower level of the laboratory, as were a half dozen pumps of various capacities that were available from the Public Works Department. In addition, some pumps of

2,200 gallon-per-minute capacity were rented and put into use to help with this vital work.

Among the major problems in Michelson Laboratory is getting the electrical power transformers back into operation. Once the flood water had been drained from the lab, the transformers were disconnected and have been sent to the General Electric Co. in Los Angeles for cleaning. There are no firm estimates on how long this will take.

In spite of this, those who surveyed the major storm damage that occurred and then determined the best sequence to follow for seeking to restore normal operations, are hopeful that, by using emergency and stand-by electric power generators, the Computer Wing in Michelson Lab can be back into operation by today.

NWC officials are thankful that there were no serious person injuries (during the flooding or while subsequent clean-up work has been underway) and no sewer line ruptures were caused by the flooding. There is, however, a lot of electrical and electronic equipment that has to be

thoroughly dried out before it will be usable again.

FTNC Charles DeFir, who is in charge of Military Production Liaison for the Public Works Department, took on the task of coordinating the work of volunteers from among military personnel, whose services were offered initially last Friday by Capt. Joe T. Phaneuf, Commanding Officer of Enlisted Personnel and head of the NWC Aircraft Department.

With the water pretty well out of first-floor areas of Michelson Lab, the military personnel began by removing the sections of wooden floor that had buckled up in the Michelson Lab Machine Shop.

Over the weekend, other volunteers (including a number of Civil Service employees) were augmented by Naval Reservists from NWC Support Unit 0176, other Reservists who train at Cubi Point at

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Sept. 4 seen as earliest possible time for normal operations at laboratory

In a message sent Tuesday by Capt. K. A. Dickerson, NWC Commander, to the Chief of Naval Material, the Chief of Naval Operations, and also to the various Systems Commands in Washington, D.C., the Skipper wrote (in part):

Presently it is estimated that the earliest possible time for normal operations in the lab (Michelson Laboratory) would be around Sept. 4. This contemplates normally operating air conditioning, lighting, phones and power sources.

A much longer period will be required to bring all machinery in the lab up to an operational status, but checkout and debugging could start when the air conditioning and electric power are available.

Pending the return of Michelson Lab to operational status, the 1,500 scientists, engineers, and support personnel housed there have been relocated to other temporary spaces such as the Chapel Annex and the Youth Center.

Technical project work is continuing with minimum delays anticipated. However, there may be need on a case-by-case basis to request extension of project funds for work requiring specialized facilities, and to initiate urgent replacement items procurement action that may come in conflict with year-end closeout procedures.

Among major potential losses are historical document archives severely damaged when Michelson Laboratory basement vaults flooded. Irreplaceable historical materials are being freeze dried in an effort to preserve as many as possible.

Capt. Dickerson concluded his Aug. 21 message to officials in Washington by adding: "It is important to note the extraordinary display of high morale and dedication shown by all personnel involved in this incident. PhDs worked side by side with Public Works laborers throughout the cleanup process, with one as muddy as the other. Countless hours of uncompensated volunteer work have been amassed." He ended the message by gratefully acknowledging the support of other activities.



AIRFIELD ROAD CLOSED — Flooding like this forced the temporary closing of Sandquist Road at the height of the Aug. 15 storm, and for a portion of the following day as well, in order that dirt and sand that piled up could be cleared from the roadway.



NAVY CHIEF RETIRES — Along with his retirement papers and other official documents, ATC Michael Harvey received an American flag from Capt. R. P. Flower, Commanding Officer of VX-5, who officiated at Chief Harvey's retirement.

ATC Michael Harvey, chief of VX-5 Avionics Division, retires

More than two decades of active duty in the Navy (a total of 21 years in all) came to a close on Monday, Aug. 13, for Chief Aviation Electronics Technician Michael Harvey of Air Test and Evaluation Squadron Five (VX-5).

ATC Harvey, who has served here since January 1982 as VX-5's Avionics Division chief and aircraft maintenance controller, was honored at a retirement ceremony witnessed by his squadronmates and at which Capt. R. P. Flower, Commanding Officer of VX-5, officiated.

Also recognized at Chief Harvey's retirement was his wife, Louella, who was presented a framed certificate of appreciation for the key role that she played in her husband's successful military career.

ATC Harvey, who enlisted in the Navy in 1963 at Portland, Ore., will be returning with his family to the Pacific northwest and will make his home there now that his years of active duty in the Navy have ended. The Harvey family includes daughters Valeria and Victoria, who are 11 and 10 years of age, respectively.

Highlights of his 21 years of service in the Navy recalled by Chief Harvey include serving with Attack Squadron 75 on board the aircraft carrier Independence when that huge ship became the first vessel of its kind to sail from the East Coast to the West Coast since World War II. The lengthy ocean voyage (in 1965) was made via the Cape of Good Hope at the southern tip of the continent of Africa.

This cruise marked the introduction of the A-6 Intruder aircraft to the Fleet, Chief Harvey said.

His collection of memories also includes duty with Tactical Electronic Warfare Squadron 131 homebased at Whidbey Island, Wash. This group was the first EA-6B Prowler Squadron to earn the Battle

E for duty flying from the aircraft carrier USS Enterprise during the final days of the Vietnam War.

Before coming to China Lake to serve his final hitch of active duty in the Navy, ATC Harvey made two Western Pacific cruises on the aircraft carrier USS Ranger, homeported at San Diego. He was the Calibration Laboratory Supervisor on the Ranger.

Applicants sought for Technician Co-op. Education Program

The Student Service Center at Cerro Coso Community College is accepting applications for the Technician Cooperative Education Program for the 1984 fall semester.

The last day to apply for the program is next Friday, Aug. 31.

The technician cooperative education program is a training program arranged between the Naval Weapons Center and Cerro Coso College during which the student will acquire an Associate of Science Degree and a minimum of one year of work experience.

Recruitment is for vacant co-op positions in the electronics, engineering, physical sciences and computer science technician fields.

Selection will be made by the Naval Weapons Center, and the individuals salary is determined by the amount of completed college studies and work experience.

For more information about the Technician Cooperative Education Program contact the Student Services Center, Cerro Coso Community College, by phoning 375-5001 and ask for ext. 219.

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 092 Ext. 2264. 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-06-02, Interdisciplinary, Physicist, Electrical, General, Mechanical Engineer, DP-2/3, Code 0631 — Serves as focal point for program offices and other sponsors for test work on the NAVWPNCEN ranges. Responsibilities include test planning, fiscal management, test coordination, analysis, and documentation for the F-18 Test and Evaluation Program. Coordinates the efforts of professional and technician teams. Requires contact with sponsors, technical and administrative associates. Center managers, contractors, and national associates. **Job Elements:** Knowledge of embedded computers for tactical systems; ability to plan, schedule and coordinate technical work as part of a major project; HDL programming with some experience in coding the 68000 preferred; communicate well; formalized real time software engineering design and development and data analysis techniques.

No. C-35-038, Interdisciplinary, Electronics, Aerospace, Mechanical, General Engineer, DP-855, 861, 830, 801-2/3, Code 55063 Supports technical integration of HARM weapon system with aircraft platforms and associated avionics. Responsibilities include planning, interface development, documentation, integration coordination, test and evaluation, and analysis for complex software interfaces. **Job Elements:** Knowledge of Dod systems acquisition process; aircraft and avionics systems; tactical embedded computer systems; ability to communicate orally and in writing with government and contractor personnel.

No. 26-073, Woodcrafter Foreman, WAS-4605-10, Code 26418 — Carpenter and Joiner Shop, Maintenance, upkeep and repair to NWC buildings and quarters. Work supervised is predominantly fabrication of cabinets, structure, doors, windows, furniture repair, lock layout, etc. Plans sequence of operations and work steps, assigns work and resolves working problems. **Job Elements:** Knowledge of technical practices, materials, pertinent tools and equipment of the trade. Ability to supervise, interpret instructions and specifications. Interest in EEO. Supplemental required. Previous applicants need not apply. Re-advised due to administrative error.

No. 26-090, Administrative Officer, DA-341-3, Code 26303 — Provides administrative support to the division in the areas of budget administration, personnel, organizational management, contract monitoring, facilities, space and equipment management safety and security programs. **Job Elements:** Ability to plan, organize, coordinate, and complete different types of work; communicate well. Knowledge of personnel, budget, facilities, space.

No. 31-062, Interdisciplinary Gen/Electronics/Aerospace Engineer/Physicist/Mathematician/Computer Scientist, 801/855/861/1310/1520/1550, DP-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 responsible for analysis, design and testing real time simulation S/W models in the A-7 labs and insuring that all branch S/W is developed in compliance with the A-7 S/W development standards. **Job Elements:** Knowledge of fundamental software engineering principles; assembly language. Ability to communicate orally and in writing. Previous applicants need not apply.

No. 39-039, Electronics Engineer, DP-855-2/3, (5 vacancies), Code 3944 — Primary duties are to provide support in signal processing and electronic systems engineering in support of the Sidewinder AIM-9M PIP program. Works directly on analog and/or digital circuitry design. **Job Elements:** Knowledge of electronic design principles and practices; ability to interface effectively with on and off Center professionals; analog and digital circuit design and packaging; and communicate well. Status eligible. Previous applicants need not apply.

No. 39-038, Interdisciplinary (General Engineer/Electronics Engineer/Computer Scientist/Mathematician), DP-801, 855, 1550, 1520-2/3, (2 vacancies), Code 3944 — The branch is responsible for supporting the Weapons Department and systems program managers in design for the Sidewinder AIM-9M PIP computers. Responsible for assisting in development of the missile's flight software, and for interfacing with hardware designers and working as a team on software design, modeling, testing, coding and system analysis. **Job Elements:** Knowledge of embedded computers for tactical systems; ability to plan, schedule and coordinate technical work as part of a major project; HDL programming with some experience in coding the 68000 preferred; communicate well; formalized real time software engineering design and development and data analysis techniques. Previous applicants need not apply.

No. 31-068, Supervisory General/Electronics Engineer/Physicist/Mathematician/Computer Scientist, DP-801, 855, 1310, 1520, 1550-3/4, Code 3194 — As branch head, directs a multidisciplinary staff which provides tactical system design, algorithm development, functional analysis, tactical software design, system and software testing, and implementation on various airborne computers for the F-18 project. **Job Elements:** Knowledge of avionics, operational software development, digital computer simulation, system engineering process, people problems (EEO), personnel policies and support procedures. Ability to conduct detailed technical planning, high level communication, coordination and negotiation with the NWC F/A-18 program office, NAVAIR sponsors, aircraft prime contractors, and local support contractors. If filled at the DP-3, has potential to DP-4, but promotion is not guaranteed. Previous applicants need not apply.

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Secretarial opportunities

This column is used to announce secretarial positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of organization, its objectives and lines of communication. Depending on grade level, typical secretarial duties are implied by the job relevant criteria indicated below.

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. A supplemental form is required and may be obtained at Room 100 in the Personnel Building. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Announcement No. 39-056, Secretary (Typing), GS-318-5/6, Code 392 — Provides secretarial support to the division.

Announcement No. 39-125, Secretary (Typing), GS-318-3/4, Code 3312.

Training class

To enroll in the following classes students should submit NWC Training Request and Authorization Form 12410 73, via department channels, to reach code 094 before the deadline listed. If handicapped indicate need for first floor room location on training request.

Basic Math for Technicians, Sept. 17 to 21 from 8 a.m. to 4 p.m. at the Training Center. This class, originally planned in August, has been rescheduled. The instructor is Peggy Chun of Code 3246.



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

Fishing report 'good' from Bridgeport to Owens Valley

Fishing has generally been good to this past week in the High Sierra and its environs from Bridgeport south to the Owens Valley.

Prize catch of the week was a 5½ lb. brown trout hauled out of Upper Twin Lake (near Bridgeport) by an angler fishing from the shore with a marshmallow as bait.

Anglers trying their luck on Upper Robinson Creek (above the Upper Twin Lake) have been doing well using Panther Martin lures, while brown trout, some up to 4 lb. in size, have been succumbing to the lure of spinners on Lower Robinson Creek.

Bridgeport Reservoir is another of the "hot spots" for trout fishing. In Buckeye Bay, the average size of trout being caught is reported to be between 1 and 1½ lb., while some of the rainbow trout that have been hauled in have tipped the scales at 3 to 4 lbs.

Trolling from boats with night crawlers or using Vibrex or Phoebe lures has resulted in some catches of brown trout in the 2½- to 3-lb. size at Bridgeport Reservoir.

One of the largest fish reported caught a bit further south last week in the Sierras was a brown trout in the 2½- to 3-lb. class that was taken out of lower Convict Creek by an angler who used a worm as bait.

One fortunate angler trying his luck on the Owens River was rewarded for his efforts by catching a 5 lb. brown trout that went after a hook baited with a night crawler.

Still fishing is reported very good at Lake Sabrina by anglers tempting the trout with cheese-baited hooks at the inlet and off the dam. In addition, South Lake and that part of Bishop Creek that drains it also are good fishing spots. Most successful have been the fishermen baiting their hooks with marshmallows, worms and salmon eggs.

Worms and crickets are proving to be the most enticing to trout holed up in Pleasant Valley reservoir on the Owens River.

Both Independence and Big Pine Creeks were reported to be good for trout fishing last week, most noticeably in the vicinity of the U.S. Forest Service campgrounds on both creeks. Planted rainbows and a few brown trout were taken by anglers using red salmon eggs as bait.

Because of almost daily rainstorms, fishing pressure in the back country lakes out Independence has been light. Those who don't mind taking a chance on getting wet, or who try their luck between rain showers, are doing well catching brook trout using flies to attract the fish into their hooks.

Fun festival slated at Solar Park on Aug. 30

As a means of celebrating the end of summer and the beginning of fall, the Recreation Services Department will be hosting Fun Festival II next Thursday, Aug. 30, from 4 to 9 p.m. at Solar Park.

The celebration will include activities for both individuals and groups, and swimming will be available at the nearby Enlisted Mess pool. Also, snacks will be offered for sale to limit any hunger pangs brought on by the exertion.

There is a \$1 game for 20 coupons to be used playing various games at the festival.



CAMPING EQUIPMENT RENTED — Hot weather on the valley floor adds to the appeal of getting away for a weekend or longer by renting the wide variety of camping gear that is available at the Center gym office. Renee Sorenson, operations clerk at the gym office, checks in a load of camping equipment that has been returned after a weekend outing.

— Photo by PHAN Greg Hogan

Athletics Div. operates wide range of facilities, programs

The Aquatics/Athletics Division of the Recreation Services Department operates a wide range of facilities and programs at the Naval Weapons Center.

Facilities under its cognizance include the gymnasium and indoor pool complex, McBride and Solar Parks, the King Street and Enterprise Road tennis courts, Schoeffel Field, Reardon Field, Davidove (soccer) Field, and the Knox St. athletic fields. The latter include two softball and two soccer fields.

For physical fitness buffs, an 18-station Parcourse and a Fitness Court are also available. During summer months, the Aquatics/Athletics Division also operates all of the outdoor swimming pools on Center. They are located at the Commissioned Officers' Mess, the Chief Petty Officers' Mess and at the Enlisted Mess.

Programs offered include adult intramural sport leagues, special interest instruc-

tional and fitness classes, varsity level sport teams and a Commander's Cup program for active duty military personnel. Some of the more popular special events include an annual mini-triathlon and racquetball tournaments.

While the gymnasium office for the Aquatics/Athletics Division is the hub of business for sport buffs, it is also the location of Camping/Outdoor Gear Issue. Equipment available for rent includes a full range of camping items, such as tents, sleeping bags, stoves, ice chests, lanterns, and a down hill ski package which includes skis, poles and boots.

Organizations having parties will also find equipment such as horseshoes, volleyball, footballs, and bats available for checkout. For the family and the outdoorsman, there are fishing poles, aluminum fishing boats with motors, and pop-up tent trailers that can be rented.

Nominal fees are charged for use of facilities, equipment, for special events, and for class registrations. With the exception of active duty military personnel and their dependents, all individuals using the gymnasium and tennis courts must obtain an annual membership card or pay a daily fee. For more information on programs, facilities, equipment availability, or fees stop by the Aquatics/Athletics Division Office located at the gymnasium, or call NWC ext. 2334 or 2571.

W. Germans hosted.

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The West German squad asked for an abbreviated 30-minute contest with the Ridgecrest Scorpions' 16-year-old team on Monday night at Davidove Field. This resulted in a 2-1 victory by the Scorpions over the West German squad that was clearly outplayed — getting its only goal on a bad bounce of the ball over the head of Jason Cherry, goalie for the Scorpions.

The Scorpions were headed for a 2-0 shutout on goals by Leis and Bill Ledden when this turn of events took place.

The West German squad also played and won a 30-minute game on Monday night against the Scorpions '69 team composed of 15-year-old players. In this tilt, the local's only goal was tallied by Craig Rindt.

The members of the Arminia-Hannover Club, who stayed a week in Huntington Beach, Calif., before coming to Indian Wells Valley, and then departed from here for San Francisco, left a set of their team jerseys behind here as recognition of how much they appreciated the food, lodging and athletic competition, and the efforts expended by everyone they met to make them feel welcome.

Scorpions Soccer Club schedules tryouts tomorrow

A combination information meeting for parents and tryouts for young people from 12 through 15 years of age who are interested in playing next spring on one of the Ridgecrest Scorpions youth soccer teams will be held tomorrow morning, starting at 9, at Davidove Field (corner of S. Knox Road and Monterey Street) on the Naval Weapons Center.

According to John Piri, one of the coaches of the Scorpions' Soccer Club, if there is sufficient interest, two more teams will be formed by the Scorpions in addition to the 16-year-olds now coached by Karl Kauffman, and the 15-year-olds coached by Piri.

The additional squads will be composed of players ranging from 12 through 14 years of age and they, like the current Ridgecrest Scorpion youth soccer teams, will be entered in the Inland Empire Youth Soccer League.

The Scorpions will begin team practice sessions in September, and club representatives will be on hand during the tryout sessions tomorrow to answer questions regarding costs, attendance at practice sessions and games, school scholastic requirements, and player attitude that is expected.

Youth bowling tourney set at Hall Memorial Lanes

The Youth Activities Branch of the Recreation Services Department is sponsoring a youth bowling tournament tomorrow at Hall Memorial Lanes.

Children 8 to 10 years of age can register for the tournament at 8:30 a.m. Competition in this age group will begin at 9 and continue until 11 a.m.

Young people 11 to 17 years old will be registered at 11:30 a.m. for their tournament which will begin at noon and continue until 2 p.m.

This will be a "no tap tourney," which means that a nine on the first ball counts as a strike.

A registration fee of \$5.75 per child can be paid at the Information, Ticket, and Tour office located on the west side of the Community Center. The office is open from 8 a.m. to 4 p.m., Mondays through Fridays. Additional information can be obtained by calling NWC ext. 2010.

Promotional opportunities

(Continued from Page 2)

No. 31-073, Supv. Gen. Engr./Electronics Engr./Physicist/Computer Scientist/Mathematician, DP-4, Code 311 — Head, Avionics Division. Develops, maintains, and operates the Center Aircraft Weapons Systems Support Facility (WSSFs) for the A-4/AV-8, A-6, A-7, and F/A-18 Weapons Systems Support Activities (WSSAs). Provides the WSSF hardware and software, including user documentation, training, and consultation. **Job Elements:** Knowledge of avionics systems concepts for aircraft weapons systems, hardware, software, and interface requirements for systems elements; hardware and software systems such as weapon delivery mechanisms and real time computer programs or radar systems. Ability to effectively manage people and associated EEO problems. Status eligible may apply.

No. 31-074, Interdisciplinary Aerospace/Electrical/Mechanical/Electronics Engineering Technician, DT-802/856-3, Code 3109 — Enhanced Comprehensive Asset Management Systems (ECAMS) Project Engineer for computer aided support systems at various Naval training sites. Develops, monitors, and coordinates programs from inception to completion. Responsible for the establishment/verification of site unique requirements and ensures requirements are achieved through the program office, Naval organizations, and technical direction of contractor efforts. **Job Elements:** Knowledge of Naval procurement and systems acquisition process; Naval training activities and requirements and/or software/hardware system procedures. Ability to monitor and review contractors; coordinate and negotiate technical activities with DoD agencies, Naval activities, NAVWPNCEN organizations and contractors.

No. 25-047, Procurement Assistant, GS-1106-6/7, Code 252402 — Provides direct support to head, Policy and Procedures Office, in implementing and developing procurement policy for a branch composed of four sections. **Job Elements:** Knowledge of DAR/FAR; functions of the Contracts Division, Center Technical Departments and various off-Center procurement activities (MIPR & RCP); of business practices. Ability to meet and deal effectively, communicate both orally and in writing, to prioritize and process multiple tasks simultaneously.

No. 33-126, Supervisory General/Mechanical/Electronics Engineer, DP-801/830/855-3/4 (Interdisciplinary), Code 3333 — Provides consultation in the areas of mechanical system analysis, electronics, heat transfer, explosive train design, and software design. **Job Elements:** Knowledge of exploratory and advanced development phases of guided missile development, safety-arming and arming-firing devices, contact fuzing and ordnance systems, conventional weapon systems safety. Skills to direct, train, and provide leadership to a multidisciplinary group; communicate clearly and effectively both orally and in writing; interface with sponsors, contractors, and NWC management. Technical background in electronics, mechanics, physics, software, and some chemistry. Willingness to support NWC EEO goals and policies.



GETTING OUT OF TROUBLE — As a player for the West German soccer team closes in on him, Mark Curran, right fullback for the Ridgecrest Scorpions youth soccer team, boots the ball away during this bit of action in Friday night's game that was won, 6-0, by the visitors.

— Photo by PE3 Rick Moore

The Rocketeer

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Naval Weapons Center
China Lake



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Phones 3354, 3355



VISITORS SCORE — Andreas Schulz fires a shot into the net past Jeremy Meyers, goalie for the Ridgecrest Scorpions' combined 15- and 16-year-old team. Schulz, a midfielder for the Arminia-Hannover team from West Germany, was identified by Scorpions' Coach Karl Kauffman as being the strongest player for the visiting team, who won this game 6-0 last Friday night.



Over-Hill Track Club schedules rattlesnake relay race Aug. 30

The Over-the-Hill Track Club (OTHTC) will hold its ninth annual Rattlesnake Relay footrace next Thursday, Aug. 30, with signups starting at 5 p.m.

The race, which begins one hour after signup, will start from the south lawn of the Naval Weapon Center Branch Medical Clinic. This is a team event with teams made up of three runners, each of whom must run a distance of 3 1/2 miles.

Runners or joggers of all ages and abilities are encouraged to participate and help start the OTHTC fall running season.

Each runner entering the race will receive a handicap according to age and gender.

Team awards will be presented in open, family, and all-female categories, based on the total handicap-adjusted time.

Individual awards also will be given for the two fastest male and female lap times, disregarding the runner's handicap time.

Entry fees for this race are \$3 per team for OTHTC members and \$3.75 per team for non-members. OTHTC memberships for the upcoming year will be available for \$5 per family.

For more information, contact Tom Rindt by calling 375-9536 after working hours.

Missing scorebooks hamper reporting of military softball tilts

The loss of one or more scorebooks used to record the outcome of games played by teams competing in the Military (slow pitch) Softball League eliminated the possibility of recording even the bare essentials of the only two league contests staged last week.

In the two games that were played on Monday, Aug. 13, the Intruders were knocked off by the Who, while the Hornets defeated the VX-5 Vampires.

No games were played on Wednesday, Aug. 15, because of the horrendous rainstorm that hit the local area on that day.

The Hornets' win solidified their grip on third place, giving them a won-loss record of 9-5, while The Who moved into a tie for fifth place with the Intruders. As of Aug. 17, both of these teams had identical records of 4 wins and 8 losses.

Visitors from West Germany win youth soccer games here

Another example of international goodwill being generated by means of sports activities took place here last week when a youth soccer team from Hannover, West Germany, visited the local area.

The team, Arminia-Hannover, demonstrated why it is the champion in its age group of Lower West Saxony by winning every one of the games scheduled last Friday and Saturday at Davidove Field on the Naval Weapons Center.

While the visitors are in the same 15- to 16-year-old age group as the teams they opposed while here, for the most part they are more mature physically, it was observed by Karl Kauffman, coach of the Ridgecrest Scorpions, whose members hosted the youth soccer team from West Germany.

The Scorpions' squad was made up of players in whose homes the visiting players were guests, not necessarily those who make up the best contingent that can be

fielded by the Scorpions' 16-year-old team.

In the first clash between the Ridgecrest Scorpions and Arminia-Hannover, the local team was shut out 6-0. Strongest player for the West German squad was Andreas Schulz, a midfielder, Coach Kauffman reported.

On Saturday morning, tournament action got underway with a 6-0 win by the West German team over the Lamont Raiders.

The Scorpions then played back-to-back contests in which they defeated their counterparts from Hesperia, 2-0, but then wilted in the second game, which ended in a 3-2 win by the Lamont team.

Goals by John Peterson and Paul Leis paced the Scorpions win over Hesperia, and Leis was the Ridgecrest Scorpions' main offensive threat as he tallied both goals in the Ridgecrest team's loss to Lamont.

Prior to a mid-day break for lunch, the West German team, which had the opportunity to rest following its 6-0 tourney-opening win over Lamont, also polished off the Hesperia Scorpions by the identical score of 6-0.

On Saturday afternoon, when tourney play resumed, the youth soccer team from Lamont edged Hesperia 1-0, and in the day's final contest, Arminia-Hannover posted a hard-fought 3-0 win over the Ridgecrest Scorpions.

In this latter tilt, the local youth soccer team did much better as the two squads battled to a scoreless deadlock until the closing moments of the first half when Schulz, the big gun in the West German team's attack, scored a goal on a long, hard shot at the net.

A penalty kick midway through the second half enabled the visitors to boost their lead to 2-0, and a goal tallied by the West German team in the final minute of play made it a 3-0 win for Arminia-Hannover.

Before leaving on Tuesday, the coach of

(Continued on Page 7)

Rec. Services Dept. taking signups for youth soccer teams

Boys and girls in the first through sixth grades who are interested in participating in soccer this fall may register for the youth soccer program sponsored by the Recreation Services Department.

Registration will be taken 8 a.m. to 4 p.m., Monday through Friday, from now until Sept. 7 at the Information, Ticket, and Tour office, which is located on the west side of the Community Center.

Information that must be provided includes each young person's name, address, phone number and school grade. In addition, each player must have a current sports registration card on file at the Community Center office.

The cost of purchasing or renewing this card for military families is \$8 for one child, \$11 for 2 children, and \$14 for registering 3 or more children; for DoD civilian families, the fee is \$12 for one child, \$17 for two children, and \$22 for 3 or more children; for non-DoD civilian families the fee is \$14 for one child, \$20 for two children, and \$24 for three or more children.

In addition to the registration fee, there is also a \$2.50 equipment fee that each player must pay prior to the start of the fall season of youth soccer.

Players who do not have a uniform shirt can purchase one during the registration period at a cost of \$8.50.

The season will run from Sept. 29 through Nov. 17 with games being played every Saturday morning.

All new players must attend evaluation sessions in order to be properly placed at the appropriate skill level. The dates and times of these sessions will be given at the time of registration and all children who register for the soccer program will be placed on a team.

Additional information can be obtained by calling NWC ext. 2010.



A TICK OF THE CLOCK LATE — Matt Mechtenberg (dark Jersey), a midfielder for the Ridgecrest Scorpions, is a fraction of a second late as he races forward trying to block a pass by a member of the Arminia-Hannover team from West Germany. At right is Brian McCrary, who played fullback for the Ridgecrest team.

NWC employee awaits results of soaring distance record claim

Results are being eagerly awaited by an NWC employee of a sailplane record claim that he submitted recently to the Soaring Society of America, headquartered in Santa Monica, Calif.

The glider pilot, who has enjoyed this avocation for about 12 years, is Steve Koerner, a digital design engineer who works in the Radar Technology Branch of the Fuze and Sensors Department's Sensor Systems Division.

Koerner set out on Aug. 9 from the Fantasy Haven glider port in Tehachapi with the previously announced intent of establishing a new triangle distance record in the 15 meter sailplane class.

For such an attempt to receive official recognition, it must be announced in advance, and there must be an official observer who is in the proper place to determine that the declared distance was actually traveled.

Koerner was towed aloft at around 11:30 a.m. from the glider port in Tehachapi and headed north for the first turn point of the triangle route he had chosen to follow.

His first turn was made many miles north at Basalt intersection, located in the vicinity of Montgomery Pass in the White Mountain Range. From there he headed his powerless craft in a southeasterly direction toward his second turn point, which was the tiny town of Death Valley Junction, situated just outside the boundaries of the National Monument.

From there, Koerner had the job of working his way back to the glider port in Tehachapi, where he touched down at about 7:30 p.m.

All told, he covered a distance of 498.8 miles, which is better than the triangle distance record of 490.5 miles for a 15 meter class sailplane that was set in 1980 by Wally Scott flying out of Odessa, Tex.

Koerner, who reported that it took take months for his record claim to be verified and approved, noted that he imported his sailplane, which is made from carbon fiber and fiber glass, from West Germany last year, and keeps it at his home in Inyokern.

During the triangle distance flight that he hopes will be recognized as a new record for his class of sailplane, he was able to get the craft to cruise at about 105 knots, and reached a maximum of altitude of 18,000 ft. He had oxygen along for use in such thin air.

Sailplane enthusiasts who have aspirations to set a record keep a watch on the weather and take their shot when it looks best to them.

They are looking, Koerner said, for unstable atmosphere that leads to strong thermal air currents and cumulus clouds. It's important, however, that the clouds do not build up too large and form thunderstorms, since this cuts down on a sailplane's rate of speed.

The records differ depending upon the size and the weight of the sailplane that is involved.

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 do not understand the reasoning for the recent policy changes within our NWC Travel Office. As of late, each claim that I submit is returned due to some inconsequential matter. This usually requires numerous travel order amendments, revised justifications, additional administrative approval, and various signatures to be obtained.

These new procedures require that an unreasonable amount of effort be expended to obtain government travel orders and reimbursements. The need for the increased number of post-travel amendments appears to be an unnecessary waste of time and manpower for all those involved. The savings realized by the government, if any, from microscopic evaluation of travel claims is questionable. The additional costs and frustrations can only exceed any possible savings.

In my opinion, OPM and NWC Travel Office are creating obstacles for civil servants and making it increasingly difficult for a Navy employee to accomplish tasks as part of his or her official duties. Do you see any relief in the future to make processing travel claims at NWC less cumbersome?

ANSWER

More claims are being returned to travelers because of a recent change in the Joint Travel Regulations (JTR) which requires original receipts for every item over \$25 claimed on a travel voucher. This change was published in NWC Announcement 84-69. However, there has not been a policy change on travel order authorizations.

Authorization on travel orders has been a continuing requirement for items such as rental cars, vicinity mileage, taxis to and from place of business, registration fees, etc. The JTR is very specific, and even some "inconsequential matters" are specifically required to have documentation.

Delay in processing travel claims does occur anytime reimbursements claimed have not been authorized on the original travel orders. These claims may be expedited by obtaining administrative approval before they reach the Travel Office.

Your specific problem was researched with the Travel Claims Office. It was found that the additional steps in processing your specific travel claims are due to a change in your division office's travel claim processing policies. You may want to discuss these changes with your division personnel.

We regret the difficulties experienced by travelers in filing their claims, but we are required to follow the explicit regulations in the JTR.

QUESTION

Retired Military — Could you please put something in the paper referring people who so desire to join the motorcycle club on base. It is for people who want to learn how to ride the machines and take proper safety precautions as well. I know you're busy but I will appreciate it. I thank you very much.

ANSWER

The "Skipper Sez" column was not designed to advertise the activities of various clubs and organizations either private or government sponsored, on Center. There are other forms of media specifically designed to publicize such events. I, of course, support safe driving and encourage everyone to become as proficient as possible in their driving abilities.

The Center requires all operators of motorcycles to attend the prescribed motorcycle defensive driving course. Information on these requirements can be obtained from the Safety Office (Code 2405).

QUESTION

Civilian Employee — I would like to know why there is a one-way "do not enter" sign on the Hussy Street exit to the Technical Information Department building parking lot since Hussy Road is a two-way street.

ANSWER

The sign is there to supplement the pavement markings in conveying the warning that this is the entrance to the parking lot, not the exit.



ANOTHER MAJOR UNDERTAKING — An AV-8B Harrier aircraft, with Lt. Col. Russ Stromberg, USMC, at the controls, taxis to a parking place near Hangar One after the test flight that began Air Test and Evaluation Squadron Five's operational evaluation (OPEVAL) of the aircraft.



OFF TO GOOD START — Capt. R. P. Flower (at right), Commanding Officer of VX-5, offers his congratulations to Marine Lt. Col. Russ Stromberg, after the latter had just completed the initial test flight — part of a series involving VX-5 personnel in the OPEVAL of the AV-8B Harrier aircraft. Looking on in the background is Marine S/Sgt. Keith Carlen, one of the Marines assigned to VX-5's Duty Section Alpha.

Operational Evaluation of AV-8B Harrier aircraft started by VX-5

This past Monday was another milestone for Air Test and Evaluation Squadron Five (VX-5), marking the start of VX-5's operational evaluation (OPEVAL) of the AV-8B Harrier aircraft.

Capt. R. P. Flower, Commanding Officer of VX-5, was on hand to greet Lt. Col. Russ Stromberg, USMC, the pilot for the first test flight here of the Harrier. AV-8B personnel from the Aircraft Weapons Integration Department, as well as support personnel from other NWC departments, were present for a cake-cutting ceremony.

The AV-8B Harrier, which is a product of the McDonnell Douglas Corp. and British Aerospace, combines the vertical launch and hovering capabilities of a helicopter with the power, speed and striking force of a jet aircraft.

The Harrier is powered by a single Rolls-Royce Pegasus 11 turbofan engine that produces in excess of 21,000 pounds of thrust.

It has four engine exhaust nozzles that can be rotated during vertical/short take-off and landing (V/STOL) operations and in-flight maneuvering.

Flying at high altitude, the Harrier can reach speeds of more than 700 mph.

With seven weapons stations, the AV-8B can carry a wide variety of ordnance, including general-purpose bombs, cluster munitions, laser-guided weapons, the Maverick air-to-surface missile, and the AIM-9 Sidewinder air-to-air missile.

During VX-5's OPEVAL of the Harrier, it will be the first aircraft to be equipped with the Gun Aircraft Unit (GAU) 12 25mm gun — a weapon that is capable of firing up to 3,600 rounds per minute.

Marine Lt. Col. Stromberg is the operational test director of the AV-8B Harrier that he flew here recently from the Naval Air Test Station at Patuxent River, Md. This aircraft was then partially disassembled to permit the installation of some video recording equipment prior to its first flight test.

Other test pilots who will be involved along with Col. Stromberg in the OPEVAL of the AV-8B Harrier are Cdr. M. P. Taylor, Maj. George Goodwin, USMC, and RAF Squadron Leader Mike Young, an exchange pilot from the British Royal Air Force.

During the first phase of the OPEVAL, which is expected to continue for approximately six months, extensive use will be made of the Naval Weapons Center's instrumented ranges to determine the

weapons delivery accuracy of the AV-8B.

In addition, VX-5 Detachment Alpha will deploy to the Canadian Air Force Base at Cold Lake for weapons tests in cold weather conditions; to the USS Belleau Wood, a helicopter assault ship homeported in San Diego, for amphibious assault exercises culminating in remote site operations at the Marine Corps Base Camp Pendleton, Calif., and finally tactical development work will be taking place at the Marine Corps Air Station in Yuma, Ariz.

The AV-8B is equipped with an integrated, computer-controlled navigation/attack system utilizing the Angle Rate



ALMOST STATIONARY — The hovering capability of the AV-8B Harrier was demonstrated during a flight test that launched the VX-5 OPEVAL of this aircraft.

Bombing System which enables pilots to pinpoint targets via laser or TV contrast tracking, and to make an accurate first pass attack.

Significant improvements in the AV-8B over previous Harrier aircraft include an improved engine intake allowing for increased vertical take-off thrust; a new raised cockpit; extensive use of composite materials; and improved maneuverability, lift, and reduced transonic drag.

The arrival of the AV-8B Harrier at VX-5 is a significant event that marks the beginning of V/STOL aviation at the Naval Weapons Center.



DETOUR PROVES TRICKY — Low ground at the traffic circle was flooded, but motorists who tried this alternate route via Bullard Road to reach East Inyokern Road and the main gate found that they also had deep flood water to contend with in some places.

Michelson Lab hard hit by desert flooding. . .

(Continued from Page 1)
The Naval Air Missile Center, Point Mugu; and by a contingent of Marines from VX-5 (here in conjunction with the AV-8B aircraft OPEVAL), led by Maj. George Goodwin, also attached to VX-5.

This past Monday, some 20 members of NWC Support Unit 0176 volunteered for a week's active duty in order to provide further cleanup assistance at Michelson Laboratory.

The aforementioned task of disconnecting the electrical transformers at Michelson Laboratory was undertaken by those skilled in this type of work, and there were employees from various departments and divisions on the Center who pitched in to help handle the massive job of recovering documents and papers from the previously flooded working spaces and vaults in the basement of Michelson Lab.

As the water-logged papers and reports were brought out, they were placed in boxes that were carried out of the laboratory by volunteers and loaded into trucks for transportation to cold storage. Freezing the papers will stop the mildew and decomposition that otherwise would occur.

While the Aug. 15 rainstorm forced the closing for a time of Sandquist Road, the main route to Armitage Airfield, due to flooding that deposited deep mud in some places, the road was open to traffic this past Monday, and the report was issued that "all NWC range roads are open — at least to four-wheel drive vehicles."

In the Randsburg Wash area, the only significant damage occurred on dirt roads located down range, according to Milt Burford, head of the Electronic Warfare Department's Electronic Warfare Threat Environment Simulation Facility.

Rushing flood waters also undercut some sections of the Randsburg Wash access road, but with careful driving it was passable.



WATER, WATER EVERYWHERE — Flooding in Ridgecrest that sent waters racing along both Inyokern Road and China Lake Boulevard contributed to this scene at the NWC main gate on Aug. 15. — Photo by Don Cornelius

The Salt Wells area took another "hit" from Mother Nature on Aug. 15, making it the second time in two years that this has happened.

According to Mel McCubbin, head of the Process Systems Division in the Ordnance Systems Department, there was some recurrence of the kind of flood-related damage that befell that area as the result of flash floods on Aug. 19, 1983.

This time, however, just one building, the Explosive Melt Cast Facility, suffered the bulk of the damage. This structure was about a month away from full recovery from the 1983 storm, but this work has now been set back by another five or six months as a result of last week's deluge.

New pumps, motors, and other equipment used in the processing of explosives in the Explosive Melt Cast Facility took a beating from the Aug. 15 storm. Beyond that, however, a few inches of mud in several buildings and damage to roads (all of which is repairable) is the report from Salt Wells following last week's intensive rainstorm.

One of the lessons learned from the 1983 storm is that a strong, chain link fence can be a problem when debris-carrying flood waters sweep through a ravine and spread out across the desert.

Last year when this happened in the Salt Wells area, the fence held up long enough to catch a lot of debris, which built up a temporary dam. When this "dam" gave way, however, the water that had been collected behind it had more force and caused much more damage than it would have if it had been allowed to flow nearly unimpeded.

A break-away panel was put in the same section of chain link fence, and the damage in the Salt Wells area was much less severe this year than last, McCubbin said.

Helpful in the Salt Wells area over the past weekend were a group of Naval Reservists from Cubi Point at Point Mugu, who formed a shovel brigade to dig out

empty ammunition storage shelters and processing rooms at Salt Wells, where the mud was 3 to 4 feet deep in some places.

Due to the way in which these structures are built, shoveling them out by hand is the only answer, since no kind of heavy equipment is small enough to get into the narrow rooms and connecting corridors.

Eventually, heavy equipment will be brought in to clear the area of the dirt and mud that now has accumulated outside these buildings.

Students can still sign up for college class in journalism

Although late registration is the only means by which an individual may now enroll in classes at Cerro Coso Community College for the fall semester, several classes are still open to students.

Introductory Newswriting (Journalism 8a), a three-unit course, will meet on Tuesdays and Thursdays from 3:30 to 5 p.m.

Students will be given an introduction to the subjects of reporting and newswriting. Elements of gathering and writing general news and feature articles will be covered as well as instruction in copyediting and proof-reading.

Articles will be written for college publications such as the Cerro Coso newspaper and yearbook.

Other topics to be covered include newspaper style and organization; there also will be an opportunity to participate in field trips.

Late registration will be allowed by the college until Aug. 31.

A state mandated enrollment fee for students enrolled in less than 6 units is \$5 per unit. The fee for 6 or more units is \$50.

Persons interested in attending classes at Cerro Coso, but who wish additional information, should call the college at 375-5001 and ask for ext. 219.

Register now for Hispanic Heritage workshop on Sept. 13

Naval Weapons Center personnel who wish to attend a workshop on "Mex-America: Implications for the United States and the Southwest at the Century's End" have only a few days left to submit their Training Request and Authorization Form.

The workshop, scheduled from 8 to 11 a.m. on Wednesday, Sept. 13, is one of the highlights of Hispanic Heritage Week, Sept. 9 through 16. The local celebration is sponsored by the Hispanic Employment Program Committee and Lucy Lambert-Shaughnessy, the HEP manager.

Dr. Phillip Sanchez Paris will conduct the workshop. Currently serving as chairman of the department of Public Policy and Administration at California State College, Bakersfield, Dr. Paris has extensive teaching and research experience to draw upon in presenting the information to be covered.

He will also suggest supervisory techniques relating to Hispanics in the workforce.

To enroll in the workshop, the Training Request and Authorization Form must be submitted through department channels so it will reach Code 094 by Tuesday, Aug. 28.

Other special activities planned during Hispanic Heritage Week include a luncheon talk by Dr. Franklin Chang-Diaz, a mission specialist selected for the Space Shuttle; a Spanish-speaking luncheon with the Sister City group; a film festival; and a dance sponsored by Los Amigos Hispanos.

Police reports . . .

The burglary of an unlocked residence in the 600 block of Nimitz Avenue was reported Tuesday evening to China Lake police. The tenant at this address returned home to find that government checks, personal checks and various household items were missing.

The suspect in this case is being held in Ridgecrest for a number of business and residential burglaries in the local area.

VANDALISM AT PIERCE SCHOOL
Police were called to the Pierce Elementary School shortly after 7 p.m. Monday to investigate an incident of vandalism.

Officers found that someone firing a BB gun had shot holes in seven windows. Cost to repair the damage is estimated at \$400.

FIGHT REPORTED IN BEQ

A Navy woman was ordered confined by the Command Duty Officer following an incident of battery and vandalism that took place in BEQ-2 at around 11 p.m. Tuesday. A window was broken during a physical altercation between two Navy women, and it was the alleged instigator of the fight who was ordered confined.



FIRST OF ITS KIND — Gail Falkenberg (at right), head of staff in the Aircraft Weapons Integration Department, presents the Department Staff Assistants' Council's first certificate of appreciation to Terry Wiruth during a retirement luncheon held in her honor. — Photo by PH3 Rick Moore

Former WAVE at China Lake feted at retirement

Terry Wiruth, whose first association with what is now the Naval Weapons Center was as a yeoman 2nd class in the WAVES during the latter part of World War II, was honored at a retirement luncheon held recently at the Enlisted Mess.

Mrs. Wiruth (the former Terry Kass) met and married her husband, Al, while both were on active duty on the Ordnance Line at Harvey Field (now Inyokern Airport).

For her, their marriage in January 1946 in Los Angeles by the first Catholic Chaplain at what was then the Naval Ordnance Test Station, Inyokern, was followed by a career as a homemaker. Mrs. Wiruth, who was kept busy raising the Wiruths' four children, joined the Civil Service work force as a WAE in 1962.

For the past 22 years, she handled clerical and secretarial duties for a lengthy period of time in old Code 40. Subsequently, she was promoted to increasingly responsible positions before becoming administrative officer for the Versatile Computing System (VCS) Program Office in the Aircraft Weapons Integration Department.

Just recently, the VCS Program Office was reorganized and renamed the Mission Support Systems Program Office (Code 3109).

Presentations to Mrs. Wiruth during the

luncheon included a wooden horse carved by Dr. Williams S. McEwan, a retired research chemist formerly employed in the NWC Research Department. This gift, from her many friends and co-workers, was presented by Linda Bego, administrative officer in Code 3109.

She also received from Gail Falkenberg,



UNUSUAL KEEPSAKE — Terry Wiruth displays the carved wooden carousel horse that she received as a gift from co-workers and friends at her retirement luncheon.

Tips offered those prepping for Navy advancement exams

WASHINGTON (NES) — The knot in your stomach says you'll never be ready to take the Navywide advancement examination coming up in September.

Sure, you've finished and turned in your courses. The commanding officer has recommended you for advancement. Your evaluations are all 3.9 or better. And you've ensured that the educational services office has a record of any awards that will give you extra points on the test. But that test has you worried. Will you be able to answer the questions correctly?

Each exam has 150 questions out of the multitude that could be asked about your rating. You don't know which questions will be asked and it's impossible to memorize the answer to every conceivable question, but it's certainly possible to learn enough of the material to ensure you get a high score on the exam.

Provided you don't wait until the last minute to study.

You should have started studying a year ago, beginning with the correspondence course and training manual for your rate. A good pace would have been to complete one assignment a month, according to the Chief of Naval Education and Training Command in Pensacola, Fla. While completing the course you could have made notes or outlines to make studying easier later on.

But if you didn't, take heart — you still have study time left. Remember, some people you'll be competing against for advancement won't have studied at all, and others will have tried to cram all their studying in the night before. If you start studying now, you'll have quite an edge over them in September.

Knowing what to study is easy — if you have the "Occupational Standards" and "The Bibliography for Advancement Study" for your rate. If you don't have them, go to the education services office and get them. They hold the key to your advancement.

The next items you'll need are the publications listed in the bibliography. They may be in the work space and perhaps you won't be able to take them home or check them out for studying.

Now you might have what appears to be an insurmountable mountain of material to study. Break it down into small, workable pieces and make out a time schedule that will give you a chance to study all the pieces before taking the exam.

Are you ready to start studying now? Perhaps not. Your studying environment has a lot to do with how much information you learn and how well you'll be able to recall it when taking the exam.

Make yourself comfortable. Relax. Do

Injured mountain climber aided by Navy SAR helo, CLMRG team

This past Monday, the NWC Search and Rescue (SAR) helicopter, in conjunction with the China Lake Mountain Rescue Group (CLMRG), was responsible for rescuing an injured Fair Oak, Calif., man.

On Sunday morning, Aug. 19, Terry Halmo and a group of four friends were climbing near the summit of Thor Peak in an extremely steep area of waterfalls when Halmo fractured his left ankle while attempting to jump onto a rock.

One of his friends immediately hiked out to notify authorities, while the others stayed to provide shelter and comfort for the injured man.

Sunday afternoon, officials were reached who arranged for the Inyo National Forest Service in Lone Pine to send a chartered helicopter to attempt a rescue effort. Due to the steepness of the terrain where Halmo was located, the helicopter pilot turned back.

That evening the CLMRG was notified and a team, composed of Frank Buffum, Linda Finco, Andrew Mitchell, Bob Joy,

Carol Van Verst, and Bruce Bonbright, hiked into the area.

Base camp support was provided by Tom Stogsdill, coordinator for the CLMRG group, Elizabeth Anderson, and Bob Fletcher. All three took turns handling radio communications with the rescue team and with Lloyd Brubaker, who remained in Ridgecrest to maintain a communication link with other CLMRG members who were on standby status.

At 2 a.m. Monday, the hiking party located the injured man, greatly aided by one of Halmo's friends, who guided the CLMRG members through the darkness by periodically firing the flash of a camera in order to pinpoint the location of the injured man and those who had remained with him.

At first light on Monday, Halmo was moved to what was thought to be a possible one-skid helicopter landing zone, and the chartered helo was again summoned from Lone Pine.

When the helo reached the rescue site it was again realized that the chopper would not be able to land, and it was then that the NWC SAR helicopter was asked to take-off and assist the CLMRG team.

The SAR helo, piloted by Lt. Greg Friedrichsen, and with AD2 Mike Maironis, AEAN Mark Keenan, HM2 Bill Lewis, and ANHAN Kevin Conger on board as crew members left Armitage Airfield at 9:15 a.m.

While the SAR helo was on its way, CLMRG members at the scene were aided by a group of Sierra Club hikers, who happened upon the scene and rendered additional assistance that was greatly appreciated. By the groups' combined efforts, Halmo was moved through 9-ft. high manzanita brush to Clyde Meadow, where they all waited while weather grew more and more cloudy at the 10,400 foot elevation.

The helicopter rescue operation was hampered by the weather, causing the SAR helo to miss the meadow and return to Lone Pine airport.

After a period of worsening cloud build up, a gap appeared in the cloud cover and allowed the SAR helo to zip in and complete the rescue. Halmo was flown to the Lone Pine Hospital to receive treatment at 11:45 a.m. Monday.

According to one CLMRG member, as soon as the helo had taken off the clouds again closed in preventing the helo from returning to pick up the mountain climbers and Halmo's group, who had to walk out to the base camp at Whitney Portals.

whatever has proven to be the best way for you to study.

A note of caution, though. Researchers have discovered that people recall information easier when they're in similar circumstances to those they were in when they learned the information. In other words, loud music won't be playing when you take the exam, so don't study with loud music going on around you. Besides, it's a distraction.

Make sure you study everything listed in the bibliography.

When studying a rate training manual, study the whole manual — not just the correspondence course questions. Exam questions can come from anywhere in the manual.

Don't study all night before taking the exam. Instead, get a good night's sleep. You'll feel more refreshed and will be more easily able to recall what you've already learned.

Relax. Get as comfortable as you can. Strive to be in the same frame of mind as you were when studying.

When taking the exam, blacken in the answer circles completely with a number 1 or 2 pencil. Don't be surprised that the answers don't follow a prearranged pattern — the fourth choice may be right several times in a row and then not come up again for several columns.

Don't expect "trick" questions — there won't be any. Some of the questions may seem unusually easy; for others it may seem that either all or none of the answers are right. All you can do is choose the answer that seems most plausible or more correct than the others.

Don't worry about flunking the exam — if you've studied at all, flunking is almost impossible. The passing score is set a little higher than what a person could score by choosing all the answers at random. Only about 2 percent of the people taking the exams flunk.

Remember, all of the questions cover material that you should know for advancement — they don't cover must-know material. When your command recommended you for advancement, it meant you already met the minimum qualifications. The exam is designed to put everyone who is qualified into a rank order so the Navy can decide which people are most qualified to be advanced and in what order to advance them.

The trick to advancing, then, is to learn that "should know" material.

Of course, you'll probably still have that knot in your stomach. If you're like most people, it'll probably stay there until the exam results come out. And if you've studied. — by JO1 William Berry