



SAFETY FIRST — Fifteen persons signed up for the recent motorcycle safety class which was held at the Traffic Safety Building and the Satellite dry lake bed, south of Mirror Lake. Pictured is Brian Ross, 14, as he rides through a skill course at the dry lake. Monitoring his progress is instructor Billie Hise (at left). The course, in which Torpedoman Second Class Jack Brown also assisted as an instructor, consisted of movies and discussions covering maintenance of the machine, defensive riding techniques, typical accidents which occur in this area, protective clothing and riding skill development. The next class is tentatively scheduled for the middle of this month. More information may be obtained by phoning NWC ext. 2367. —Photo by Ron Allen

Redlands resident to teach college course, direct Community Orchestra

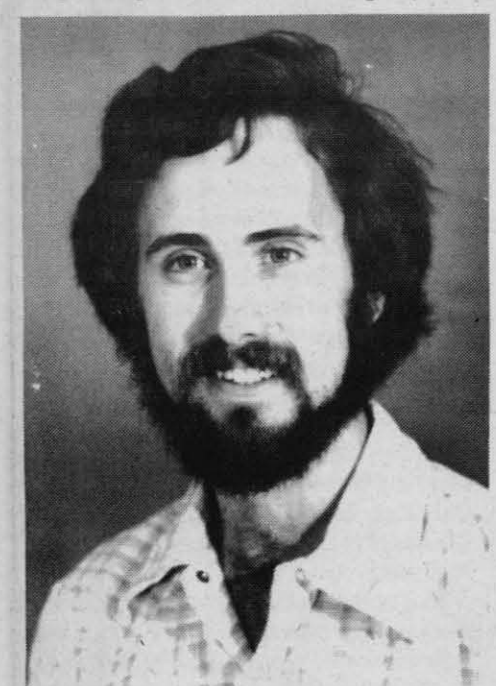
An accomplished young musician has recently been hired by Cerro Coso Community College to conduct the orchestra class and to direct the Desert Community Orchestra.

Lauren Green, a resident of Redlands, will travel here once a week to conduct the class, which will also serve as rehearsal time for the orchestra.

Here recently to meet with Winnie Nelson, chairman of the college's Music Department, with other college officials, and with members of the Desert Community Orchestra Association's board of directors, Green stated that his aspirations are "to put together a good season for this orchestra."

"I'm really excited about the opportunity," he added. "Since I got my master's degree, I've been grabbing what chances I could and waiting for musical doors to open — this has been the first such door to open."

A student of noted cellist Eleonore Schoenfeld since the age of 7, Green was graduated with distinction from the University of Redlands in 1974 with a bachelor's degree in music and cello as his major subject. His master's degree, which



Lauren Green

he earned from Redlands this past May, was also in music, with an emphasis on cello and conducting.

Green has performed for the past two years as principal cellist with both the San Bernardino Symphony and the Riverside Symphony. He has also played with the Desert Symphony of Palm Springs, the High-Desert Symphony of Victorville, the Loma Linda Symphony, the Redlands Bowl Symphony, the Redlands University-Community Symphony, and the West End

Symphony of Ontario. In addition, he has appeared with several chamber ensembles.

Green's conducting experience includes guest conducting with the San Bernardino Symphony and the Redlands Bowl Symphony. He also was a member of the Master Class in conducting under Herbert Blomstedt, conductor of the Danish Radio Orchestra and the Dresden State Orchestra. During the 1975-76 academic year, Green conducted the University of Redlands Chamber Orchestra.

American Heritage Celebration tryouts slated Wednesday

Tryouts have been scheduled at 7:30 p.m. next Wednesday, Sept. 8, at the Las Flores School auditorium in Ridgecrest for the Horizons '76 American Heritage Celebration that will be presented on Oct. 22 and 23 at the Burroughs High School Lecture Center.

Elena Vitale, an award-winning member of the Community Light Opera and Theater Association, is the writer, producer and director of this special program.

Needed are soloists, group singers, actors and a behind-the-scenes narrator. The musical will provide an excellent opportunity for a pianist to play solo numbers, as well as provide the accompaniment for other members of the cast.

All proceeds from the tickets sold for admission to the American Heritage Celebration program will be turned over to the Maturango Museum building fund that is being raised in order, eventually, to pay for the construction of a permanent structure for the museum on property located within the East Kern Regional Park in Ridgecrest.

Further information about the American Heritage Celebration can be obtained by calling the chairman, Rose Varga, at 446-3939.

Victorville music gp. to play at CPO Club

The Desert Rain, a contemporary music group from Victorville, will play at a Chief Petty Officers' Club dance tonight from 9 until 1 a.m.

Dinner special for the evening will be prime rib at a reduced price, served from 6 until 9 o'clock.

George Barnard, CPO Club manager, has announced that a limited number of civilian guest memberships in the club are available for persons in the GS-5 through GS-10 grades or the equivalent. Those interested should apply at the CPO Club office, he added.

Inkspots to appear at COM, CPO Club on Sept. 24, 25

The George Holmes' Inkspots — offspring of the famous 1940's singing group — will make back-to-back appearances at China Lake later this month.

On Friday, Sept. 24, they will perform at the Chief Petty Officers' Club from 9 until 1 a.m., and no reservations are required. On Saturday, Sept. 25, they will appear at the Commissioned Officers' Mess also between 9 and 1 o'clock, and reservations, which are recommended, can be placed by calling 446-2549. A roast turkey dinner with all the trimmings will be featured that night for \$6.50 per person.

The Inkspots were one of the earliest and most successful black singing groups, reaching the peak of their popularity during World War II. George Holmes joined the group in 1959 and worked with original members such as Charley Fuqua and Charley Owens.

George Holmes' Inkspots have toured throughout the United States and Japan for the last eight years. Their repertoire includes not only modern songs, but hits made famous by the original group, including "If I Didn't Care," "Do I Worry," "My Prayer," "Java Jive" and "Gypsy."

Holmes, leader of the group, is also its bass player and baritone singer. Lead singer is Prentice Moreland (who also worked with members of the original Inkspots), lead guitarist is Lloyd Rowe, and the pianist, conductor and arranger is John Houston. Ann Lawson is the group's female vocalist.

Ballet Arts Theater signups to continue

Ballet Arts Theatre registration will continue through next Tuesday. Sign-ups are being conducted on weekdays from 4:30 to 6 p.m. at 303 Blue Ridge Rd., China Lake.

There are still a few openings in some age groups, but class sizes are intentionally kept small to insure individualized instruction.

Students will be taught classical ballet and development of coordination, grace and poise — excellent preparation for gymnastics, drama and many other activities as well.

Instruction is under the direction of Bette Jacks, whose background includes training and teaching credentials from the ballet master of Ballet Russe de Monte Carlo, the director of American Ballet Theatre, the dance director of the University of Arizona in Tucson, and the choreographer of the New York City Opera.

Fall luncheon meeting scheduled by AAUW

Members of the China Lake / Ridgecrest Branch of the American Association of University Women have announced plans for the group's annual fall luncheon meeting. It will be held on Saturday, Sept. 11, beginning at noon in the clubhouse at Westwood Manor Mobile Home Park, 801 W. Ward St., Ridgecrest.

"Two Hundred Years of Womanhood" will be the theme of the meeting, which also will include presentations by leaders of special interest groups included within the AAUW.

Any female graduate of an accredited four-year college is eligible for membership in the AAUW. Further information can be obtained from either Mrs. Edwin Ives, president, by calling 375-8090, or Mrs. Charles McGee, membership chairman, phone 375-9053.

Dance set tonight at COM

The popular country and western music group known as California Country will be performing for the listening and dancing pleasure of Commissioned Officers' Mess patrons tonight from 9 until 1 a.m.

Dinner special for the evening will be catfish and hushpuppies at a price of \$3.50, and tomorrow night's specials will be roast duck (\$6.95) or king crab legs (\$8.75). Dinner will be served from 6 through 10 o'clock.

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.
(G) - ALL AGES ADMITTED
General Audiences
(PG) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian
CS - Cinemascope
STD - Standard Movie Screen
Regular starting time—7:30 p.m.
Program subject to change without notice — please check marquee.

FRI. "VAMPIRE CIRCUS" (91 Min.)

Laurence Payne, Adrian Corri
(Horror) In an isolated Serbian village in the 19th Century, a plague grips the town as a result of a dying vampire's curse. A traveling circus arrives and several murders are traced back to the performers. (PG)

SAT. "PERMISSION TO KILL" (96 Min.)

Dirk Bogarde, Ava Gardner
(Suspense Drama) Alan Curtis is a supposed secret government operative who carries an identity card which says he's from Western Intelligence Liaison. His assignment is to prevent an exiled politician from returning to his dictator-led country to restore freedom. (PG)

SUN. "BABY BLUE MARINE" (89 Min.)

Jan-Michael Vincent, Glynis O'Connor
(Drama) Jan-Michael Vincent, the "Baby Blue Marine," doesn't make the grade to graduate from boot camp to a full-fledged Marine. He meets a Marine hero in a bar who will be sent back to combat. This raider knocks Vincent out in an alley and takes his blue uniform, leaving Vincent to wear the decorated raider's uniform. He goes through the small town of Bidwell and stays at the home of Glynis O'Connor. Outside the town is a detention camp for Japanese Americans. When three of them escape, Vincent is enlisted into the search party. He finds them, sees they're not dangerous, and gets shot while helping them across a rapid stream. After the war, he returns to marry his girl. (PG)

MON. "THE VALACHI PAPERS" (125 Min.)

Charles Bronson, Lini Ventura
(Action Drama) This film about organized crime features the exploits of Joe Valachi, the mob driver who managed to survive 10 years of gang killings and then told all he knew to a Senate crime investigating committee. (R)

TUE. "HOT POTATO" (88 Min.)

Jim Kelly, George Memmoli
(Action Comedy) When a U.S. senator's daughter is kidnapped by a power-hungry Oriental general, Pentagon officers call the situation a "hot potato." Three adventurers, Jim Kelly, George Memmoli and Godfrey Cambridge are assigned to rescue the girl from the clutches of a double-dealing adversary. (PG)

WED. "THE WIND AND THE LION" (119 Min.)

Sean Connery, Candice Bergen
(Adventure Drama) Set in Northern Africa in 1904, adventure and Americana meet in this film based on a true incident involving Pres. Theodore Roosevelt. The kidnapping of an American family by a Berber chieftan prompts Roosevelt to send U.S. Marines to the rescue. (PG)

THURS. "BEST FRIENDS" (84 Min.)

Richard Hatch, Susanne Benton
(Adventure) Two men are discharged from the Army and are met by their girlfriends in El Paso. They have different intentions: Pat wants to ditch the girls, Jesse doesn't. They keep the girls with them as they travel around in a motorhome in order to see America. (R)

FRI. "MOVING TARGET" (92 Min.)

Ty Hardin, Michael Rennie
(Drama) Jason is an internationally known thief. He has just been flown into Athens to be transferred to another prison. Members of a mob aid his escape and force him to do a little job for them. Jason cannot refuse or he will be accused of murder. No rating able.

U.S. Government Printing Office: 1976 — 642 / N0410

From: _____ PLACE STAMP HERE
To: _____

Aircraft collide during attempt to land at night

Two Navy pilots and a bombardier navigator successfully ejected from their aircraft following a mid-air collision at 10:10 p.m. this past Monday, over the test ranges of the Naval Weapons Center. Medical reports indicate that the air crews sustained only minor injuries.

The two aircraft, an A-6 Intruder and A-7 Corsair II, were returning to the Naval Air Facility at China Lake following a night test when they collided. The cause of the collision is under investigation.

The aircraft impacted on an unoccupied section of the vast Naval Weapons Center range complex approximately a mile-and-a-half within the Center's boundary. No other personnel or property were involved.

NWC firemen called to assist in fighting blaze at lumber mill

Personnel from the China Lake Fire Division and the Public Works Department of the Naval Weapons Center responded to a request to assist in extinguishing a fire that broke out Monday night at the Louisiana Pacific Lumber Mill, three miles north of the Inyo County line on Highway 395.

At approximately 1:15 a.m. Tuesday, two 750 gallon pumper trucks and an ambulance were dispatched to the lumber mill along with a water truck from the Public Works Department's Transportation Division.

Capt. Gary Peak was in charge of a crew of China Lake fire fighters that included Lt. Larry Kuster, Bob Burk, Jim Crow and Kevin Crook. These men were later relieved by Assistant Chief Leroy O'Laughlin and fire fighters D. J. Ashby, Billy M. Powell and Terry Walent. Jeff Blanche was the driver of the water truck from Code 70.

Making use of water available in a reservoir at the lumber mill, the China Lake firemen, along with Kern and Inyo County fire fighters, were successful by 5 a.m. in extinguishing the fire, which had broken out in the log deck at the lumber mill.



NWC rocketeer

Naval Weapons Center
China Lake
California

Cong. Ketchum issues call for more people to get involved in government

The need for more people to get involved in their government was stressed by Congressman William Ketchum during a meeting with Centerites that was arranged here last Saturday by the officers of Chapter 28 of the National Association of Supervisors.

"I really worry about the government, and would like to see the country solvent," the 18th Congressional District representative stated, "but the only way it will happen is by getting people involved in government."

"No one has a crystal ball mentality just because he or she got elected, and if you are not willing to participate (by keeping Congressional and other government leaders informed about matters of concern to you), others will be glad to assume that responsibility."

"Voting should be only the beginning, not the end of your involvement in government," Congressman Ketchum emphasized.

The informal meeting with the Congressman began with his introduction

by Walter Burfeindt, president of China Lake Chapter 28 of the National Association of Supervisors, and a brief rundown by Ketchum of his responsibilities as a member of the only Congressional Committee that can initiate legislation — the Ways and Means Committee in the House of Representatives.

For the past two years, this committee has devoted most of its time to three major areas, namely tax reform, energy-related matters and estate and gift (inheritance) tax laws, Congressman Ketchum noted.

Most of the mail that he and other members of the Ways and Means Committee receive pertains to estate tax problems. The reason for this, he explained, is that thousands of small estates have increased in value due to inflation to the point where they now exceed the \$60,000 exemption set by Congress in 1942 and are subject to taxation by the government upon the death of the property holder.

Change Proposed
In order to relieve more average income Americans of this burden, the Ways and Means Committee has reported out a bill that would raise the estate tax exemption to \$154,000, Congressman Ketchum said.

On the complicated subject of tax reform, the local Congressional representative stated that he tends to agree with Sen. Wilbur Mills that the only way this can really be accomplished is to wipe out the present tax code and start all over again.

As an example of how involved the matter of tax reform is, the Ways and Means Committee of the House reported out a tax reform bill that was 679 pages long. In the Senate, this was expanded to a 2,000 page report and a conference committee composed of members of Congress and the Senate is now working on a compromise solution.

He expects to see an extension of the additional individual income reduction that (Continued on Page 4)



WELCOME EXTENDED — Walter Burfeindt (at left), president of the China Lake Chapter of the National Association of Supervisors, introduced Congressman William Ketchum (R.), 18th District, prior to an informal talk given last Saturday afternoon by the local Congressional representative in the ballroom of the Enlisted Club. —Photo by Ron Allen

Vital contributions of Dr. William B. McLean recalled

"What an impact and tremendous influence he had on so many of us. That's really his legacy — the creativity he fostered here."

In a few words, Dr. Marguerite M. Rogers, head of the Systems Development Department, summarized her feelings and those of countless others who were close associates of Dr. William B. McLean, Technical Director of the Naval Ordnance Test Station for 13 years, who died on Wednesday of last week at a hospital in San Diego.

A major figure in the history of NOTS (forerunner to the Naval Weapons Center), Dr. McLean, who was 62 years old at the time of his death, spent a total of 22 years at China Lake. Among his many contributions, he was best known for his work as the designer and developer of the Sidewinder air-to-air missile, but also left a formidable record of achievements as head of the old Aviation Ordnance Department from 1950 to 1954, and as the NOTS Technical Director through the productive years of 1954 to 1967.

Retired After 33 Fruitful Years

He entered Federal service at the National Bureau of Standards in Washington, D.C., in August 1941 where (until he came here in 1945) he worked on ordnance research and development projects. At the time of his retirement in June 1974, after 33 fruitful years, Dr. McLean was the Technical Director of the Naval Undersea Center in San Diego — a post he assumed after leaving China Lake in 1967.

"Dr. McLean had a breadth of knowledge that was incredible, and was an inspiring person to be around," Dr. Rogers continued in her recollections about her former boss and fellow worker. "He kept everyone in a long lope — trotting to keep up with his ideas, but he didn't just toss off ideas, he would take the time to go into them and dig out helpful details," the present head of Code 40 recalled.

Frequently after listening quietly to others debate the best way

to accomplish a certain objective, he would cut right through to the heart of the matter with a suggested solution that was remarkable in its simplicity, but unerringly on target.

Innovative, cost conscious and highly aware of the need for design simplicity are the attributes others think about when remembering Dr. McLean, who was a man to whom gadgeteering was both a hobby

and a serious business. As early as his student days at Eagle Rock High School in Los Angeles, he was interested in building electrical motors, designing and constructing his own photographic equipment and tinkering with electrical and mechanical gadgets.

Following his graduation from high school, he enrolled at the California Institute of Technology where he studied physics and obtained his BS degree in 1935, his MS degree in 1937 and his Ph.D. in 1939. He received a post doctoral fellowship for the academic years 1939-40 and 1940-41 at the University of Iowa where both he and Dr. Gilbert Plain, the present NWC Director of Education and a consultant in the NWC Research Department, worked for Prof. Alexander Ellett.

Recruited Many Outstanding Employees

Dr. Plain, whose acquaintanceship with Dr. McLean pre-dates that of any other NOTS or NWC employee, recalled that Dr. McLean accompanied Prof. Ellett (now retired) from the University of Iowa to the Bureau of Standards in Washington and later (in 1945) was responsible for recruiting such charter members of the NOTS scientific and engineering team as Dr. Newton Ward, Arthur Warner, Harry McPherson, Jack Clemente, as well as Dr. Plain himself.

Dr. Plain remembers Dr. McLean as a very quiet, businesslike individual who took not only his job, but also the welfare of those who worked with him, quite seriously. As a result, those who worked with him were extremely loyal, Dr. Plain said. Thoughts related to ideas that might solve problems at work were never far from Dr. McLean's mind, yet he and his wife, LaV, were very friendly and loved entertaining friends in their home, Dr. Plain added.

Dr. Newton Ward, contacted at his retirement home in Vista, Calif., referred to Dr. McLean as "a man who had a lot of influence on my life for a number of years. He was a tenacious

(Continued on Page 3)



Dr. William B. McLean



COLLEGE OFFICIALS VISIT NWC — Rear Admiral R. G. Freeman III, NWC Commander, recently extended a welcome to a group of some 25 administrators, instructors and their wives from Cerro Coso Community College...

Sign up now for Chapman College classes

Registration began last Monday and will continue on weekdays through Wednesday, Sept. 8, for Term I-76 classes that will be offered by the Chapman College Residence Education Center in Ridgecrest.

Labor Day holiday business hours

Table listing business hours for various facilities at the Naval Weapons Center during the Labor Day holiday on Monday.

The remaining facilities will be closed on Monday. They are the Commissary and Navy Exchange, Barber Shop, Beauty Shop, Child Care Center, China Lake Propulsion Laboratories Cafeteria, Station Pharmacy, FEDCO Service Station, Navy Exchange Service Station, Auto Hobby Shop, Camping Issue Facility, Ceramics Hobby Shop, Community Center, Hobby Store, Skeet and Trap Range, Youth Center, Laundromat, Navy Exchange Annex and Men's Store, and the Bennington Plaza, NAF and Michelson Laboratory Snack Bars.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake, California. RADM. Rowland G. Freeman III, NWC Commander, Dr. G. L. Hollingsworth, Technical Director, C. E. Van Hagan, Head, Technical Information Department.



DEADLINES: News Stories Tuesday, 4:30 p.m.; Photographs Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified.

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 452, Ext. 2049.

- Library Aide or Library Technician, GS-1411-3/4/5, PD No. 75503017, Code 53311... Clerk-Typist, GS-322-3/4, PD No. 455017, Code 5521... Instrument Maker, WG-4712-15, JD No. 449N, Code 55462... Electronics Technician, GS-856-7/8/9, PD No. 7655916, Code 5581... Engineering Technician, GS-802-7/9/11, PD No. 7437040, Code 3721...



LUNCHEON SPEAKER — Addressing a combined meeting of the American Society for Public Administration (ASPA) and the Brown-Bag Seminar last Thursday, Nesta M. Gallas spoke on "Women in Public Administration."

- conducted seminars and classroom sessions in solder technology, Job Relevant Criteria: Knowledge of the elements of missile guidance systems and associated test and evaluation equipment... File applications for the above with Terry Rowell, Bldg. 34, Rm. 210, Ph. 2371.

File applications for the above with Terry Rowell, Bldg. 34, Rm. 210, Ph. 2371. Engineering Technician, GS-802-7/9/11, PD No. 7437040, Code 3721 — This position is located in the Air Operations Branch, Range Operations Division, Test and Evaluation Department.



Table of Divine Services including Protestant, Roman Catholic, and Jewish services with times and locations.

Over-Hill Track Club to sponsor 11-mile relay race Sept. 11

An 11-mile relay race sponsored by the Over-Hill Track Club will be held in West Ridgecrest on Saturday, Sept. 11. The "Ridgecrest Rattlesnake Festival" race will begin at 9 a.m. at the intersection of Mahan Rd. and Syndor St., and continue on a 2.2 mile loop of dirt roads.

Teams will be composed of three persons, each one of whom must run at least 1 lap (2.2 miles). Each team is required to run a total of five laps, and it is up to the teams to decide which of their runners will run the other two laps and the order in which the laps are to be run.

The entry fee is \$1 per person, or \$3 per team. Unattached runners are encouraged to participate-in time, which is 8 a.m.

Winners declared in annual greenskeeper invitational tourney

Results of the second annual Greater Greenskeeper Invitational Golf Tournament have been announced. Held last Monday at the China Lake Golf Course, the event was conducted by the golf course maintenance crew in order to develop better rapport with patrons of the facility.

First place honors for the nine-hole round went to Mark Hirschy, who shot a 27. Tim Andreason was second with a 30, while the third through seventh places were captured by Tom O'Lane (30), Phil Davis (30), Capt. C. B. Olson (31), Kay Someson (32) and LCdr. Ed Brooks, Jr. (33).

Golf tourney...

(Continued from Page 6) the pin on hole No. 6, Dan Wagner won a case of champagne, and Luke Thomas received a package of golf balls for hitting the longest drive off the tee.

Summer volleyball league standings

For each game a team wins, a single point is added to its total for the season. Below are the results as of Tuesday, Aug. 31:

Table showing volleyball league standings for 2-Man, Division I, II, III, and 4-Man Volleyball divisions.

Employee in the spotlight



Bob Clapp

Bob Clapp says that the key fact about himself is that "I enjoy the heck out of being with my family."

A mechanical engineer by trade, Bob is assistant head of the Surface Systems Division in the Weapons Department, and also head of its Mechanical Systems Branch.

Designed 'Swimmer Weapons' Prior to assuming his present administrative duties about six years ago, Bob, as a member of the Mechanical Systems Branch, designed some of the "swimmer weapons" for the SEALs himself, but reflects that now that he's a supervisor his job has changed a bit.

Bob was recruited off the campus and began working at China Lake in early 1958 for Division 3 of the former Aviation Ordnance Department as a mechanical

engineer. There he designed range instrumentation until 1964, when he switched to the Special Projects Branch of the same department, where he first began his involvement with special forces weaponry.

"My job is very important to me, and a key source of satisfaction," says Bob, "but in order to properly raise one's children, family life has to be even more important. I want my kids to become good productive individuals. When they leave home, I might become active in various professional organizations. I'm not an organization joiner now because I feel a real obligation to work with my children."

Bob says he's "very pleased" with his kids — Greg, 18, Roger, 17 and Dori, 13 — "and my wife keeps us all in line." The Clapps make their home on 10 acres near the west side of Ridgecrest, where Dori is able to enjoy riding the two horses which the family keeps. In addition, "youth football, Little League baseball and Cub Scouts have become family projects of ours," according to Bob.

Bob and Ramona have been taking a tennis class together at Cerro Coso Community College, and recently they returned from a Hawaii vacation — Ramona's first plane flight, explains Bob: "I had done most of the traveling, and now it was her turn, too. She thought the flight was very boring once we got off the ground and over the water. What was she hoping for, anyway — the excitement of rough weather?"

Consortium of state universities, colleges offering degree programs

The Consortium of California State Universities and Colleges is now offering degree programs from the Chancellor's Office throughout the entire State of California.

After two years of planning by a select committee of engineering faculty, and consultants from several government agencies, a state-wide program in electronics engineering technology has been developed. Officials at Cerro Coso Community College played an important role by representing community colleges in setting up the program.

Some features of the program are:

- 1. It meets all the requirements for accreditation by the Engineers Council for Professional Development. 2. Courses may be transferred to and will be acceptable in Electronics Engineering Technology programs offered at several campuses in California, and dozens of campuses in the United States. Similar programs will be offered on other Federal installations in California. 3. Up to 70 semester hours of course work that will be required in the program may be completed at Cerro Coso Community College. The program allows credit for most of the Cerro Coso apprenticeship program classes. 4. Students who complete the program should be prepared to successfully pass the Engineer In Training examination; the first step towards becoming registered by the State of California as a professional engineer. 5. The electronics engineering technology program, when approved, will be a resident program located at Ridgecrest.

The program has been approved by the Consortium Committee and awaits review of the California Postsecondary Education Commission (CPEC). California State University at Fresno is the campus selected to direct the program in this area. Fresno has been encouraged to begin the program by means of extension courses pending its review by CPEC.

As a result, this fall Cal-State Fresno will offer two extension division courses here that may be used in the program. They are Calculus for Electronics Engineering Technology, and Advanced Network Analysis.

These courses will be taught Mondays and Wednesdays between 6 and 9 p.m., along with a laboratory on Saturdays from 9 a.m. to 12 noon. If a second lab section is required, it will be offered on Saturdays between 2 and 5 p.m.

Prospective enrollees should have completed algebra, trigonometry and the first networks course to be eligible for these courses.

Registration will take place on Monday, Sept. 20, at the first class, which is scheduled at 6 p.m. in Rm. 201 of the Training Center. Any questions concerning this program can be directed to Nick Curran by calling NWC ext. 2686.



TRIO RECEIVE PATENT AWARDS — Three employees of the Engineering Department were the recent recipients of patent awards that were presented by Ernest G. Cozzens, associate head of Code 55. They are (l.-r.) David M. Bullat, Leonard G. Terral and William E. Sake. Bullat, a general engineer in the Engineering Department's Product Assurance Division, teamed up with Bertram O. Stull, of the Propulsion Development Department, on an invention entitled "High Performance Ramjet Fuels." Terral and Sake, who are both electronics technicians in the Engineering Department's Fleet Requirements Branch, received a joint patent award for their development of an eyeletting attachment for drill presses. This device enables connector-type eyelets to be mounted in an electronic circuit board.

Hawaii open golf tourney big success; results announced

A highlight of the summer season at the China Lake golf course — the Hawaii Week Western Airlines open tournament — turned out to be a highly popular event this past Saturday.

Jim Smith, a member of the tournament committee, reported that 152 golfers competed in this event, and another 20 prospective entries had to be turned away at the last minute.

This was a fun-filled activity in which luck more than skill determined the winners — thus giving golfers with varying degrees of ability as good a chance to win as the low handicappers who traditionally set the pace.

Under the "Peoria" handicapping systems that was used, six holes were selected by a drawing after all of the entrants' scores were in and recorded. Each entrants' total number of strokes on these holes was then multiplied by three and from that total 72 was subtracted to establish each player's handicap. The result was that the higher a golfer's score (or the worse he or she played on the particular six holes that were chosen), the higher was his or her handicap and the better was the chance of winning.

As it turned out, Marge Edwards was the tournament winner with a score of 56. Her prize was a stay of three days and two nights for two persons in Las Vegas, plus \$50 for expenses.

Others in Top Ten

Second and third place prizes of \$75 and \$70, respectively, in merchandise awards, went to two other women golfers — Phyllis Davis, whose score was 57, and to Kay Someson, who shot a 59.

The first male golfer to break into the tournament's top standings was Jim Smith, whose 4th place score of 60 earned him merchandise prizes valued at \$65. Others in the top ten, and their scores (with handicap) were K. C. Doyle, 5th, Dennis Welcome, 6th, and Sherry Carlson, 7th, all with scores of 61; Bob Borgas and Dick Tolkmitt, with identical scores of 62, placed 8th and 9th, respectively, while Ed Donohue, who also had a score of 62, finished in 10th place.

Thanks to the generosity of Ridgcrest merchants, and the hard work of Gerry Hucek and Frank Robinson, who handled this phase of the tournament preparations, the committee-in-charge was able to divide merchandise prizes valued at a total of \$840 among the top 33 participants in the Hawaii Week Western Airlines open tournament. This was in addition to the first prize of a trip to Las Vegas.

For placing a drive that ended closest to

(Continued on Page 7)



—Photo by Sam Wyatt

SEASON OPENER — The team representing the Dispensary defeated its foes from Air Test and Evaluation Squadron Five last Monday night by a score of 20-12 in the opening game of the Naval Weapons Center's 1976 7-man flag football season. In the photo, John Morgan (with ball), quarterback for the Dispensary footballers, looks for a receiver downfield as (to his right) right halfback Rich Schlehuber and (to his left) end Mike Fitz prepare to block for him.

7-man flag football season begins; Dispensary, NAF Hawks score wins

By Doug Nelson

The Naval Weapons Center's 1976 seven-man flag football season is under way, as action began at Schoeffel Field last Monday night.

The five-team league will play a double round robin schedule which will run through the end of September. Games will be played on Monday and Wednesday nights, with the first contest starting at 6 and the second at 8 o'clock. All will be held at Schoeffel Field North.

At first count, there are about 98 players in the league. The teams involved are the Naval Air Facility Hawks, the Dispensary, Air Test and Evaluation Squadron Five, the Naval Air Facility Cruisers, and Home-stead.

The first game on Monday saw the Dispensary gridders defeat their rivals from VX-5 by a score of 20-12.

VX-5 Scores First

VX-5 struck paydirt first, but the Dispensary knotted the score at 6-6 in the second quarter on a run by Steve Jones. In the third quarter, the Dispensary scored again on a pass from John Morgan to Mike Cannon. This time the 2-point conversion was good, making the score 14-6.

In the fourth quarter, VX-5 tallied on a pass interception, but the PAT failed leaving the Dispensary squad out in front, 14-12. The Dispensary team then took the ensuing kickoff and moved the length of the field — finally crossing the goal line on another run by Jones. The PAT was unsuccessful, and the final score for this game

was in the books.

Monday night's second game saw the NAF Hawks pitted against the NAF Cruisers.

The Hawks took the first quarter to get untracked, scoring only a two-point safety during that time. In the second quarter, however, their defense scored a touchdown on an interception by Steve Mettler.

With the Cruisers unable to get on the board, the Hawks struck again in the third quarter on a touchdown pass from Bill Dahl to Greg Bishop. In the final quarter, the Hawks exploded for 12 points on a 60 yard punt return and touchdown by Jim Erdman and completed the whitewash of their NAF brethren with a TD pass from Bishop to Mike Zidlicki. Final score was Hawks, 26, Cruisers, 0.

Regulations adopted for dove, pigeon hunting during '76

The California Fish and Game Commission has adopted dove and pigeon hunting regulations for 1976 with no changes, except for dates, from those for last year.

Commissioners approved Department of Fish and Game recommendations for a split 46-day season for doves with a limit of 10 per day, 20 in possession after opening day, and straight pigeon seasons in the northern and southern areas of 16 days each with a bag and possession limit of six birds.

Last year pigeon season was cut back by two weeks and the daily bag and possession limit was reduced by two birds — this because the kill had fallen off significantly in Washington, Oregon and California in recent years.

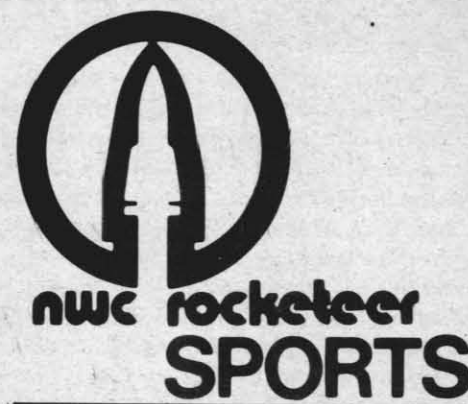
Dove hunting season opened on Sept. 1 and will run through Sept. 30, reopen Nov. 20 and continue through Dec. 5 statewide. As is generally the case, white-winged doves will be allowed in the bag only in Imperial, Riverside and San Bernardino Counties.

Dates for band-tailed pigeons are Oct. 2-17 in Butte, Del Norte, Glenn, Humboldt, Lassen, Mendocino, Modoc, Plumas, Shasta, Sierra, Siskiyou, Tehama and Trinity Counties, and Dec. 11-26 in the balance of the state.

College building 2 new tennis courts, lighting 4 old ones; all will be open to public soon

Six lighted tennis courts will be available in late October at Cerro Coso College for the instruction programs of the school, as well as for the recreational use of the community at large.

Two new tennis courts with lights are now under construction at the college in the area originally used for outdoor basketball, and lighting will be added to the four courts already in use. The \$39,200 project was authorized by the Kern County Community College board of trustees.



Wilt's Corner

Winter softball league season to commence Sept. 13

Monday, Sept. 13, will mark the beginning of Winter Softball League play, and practice games will be scheduled starting this coming Tuesday.

Team rosters and entry fees must be turned in to the gymnasium office no later than Friday, Sept. 10. All teams interested in participating should contact Doug Nelson, NWC athletic director, immediately by calling NWC ext. 2334.

A double elimination tournament between the league's top four teams will be played at the end of the season.

Energy Conservation

A recent check of athletic fields in the untracked, scoring only a two-point safety during that time. In the second quarter, however, their defense scored a touchdown on an interception by Steve Mettler.

Coaches and players are once again reminded that their cooperation is needed in conserving energy by turning off lights after they have finished practice, or no later than 10 p.m., in any case.

Swim Lessons

A wide variety of swimming lessons will be conducted at the indoor pool beginning Monday, Sept. 13.

Schedules of the individual classes — which are being offered for tots as young as six months as well as older children and adults — are available at the office of the gymnasium secretary between the hours of 9 a.m. and 2 p.m., Monday through Friday.

In addition, starting next Wednesday a water exercise class for women will be held on Mondays and Wednesdays from 3:30 to 4:30 p.m.

No swimming skill is necessary in order to participate in the class. The fee is \$7 for 10 sessions.

Over-the-Hill Swim Club

Signups are now being taken for the Over-the-Hill Swim Club, designed for persons at least 20 years of age with some swimming ability.

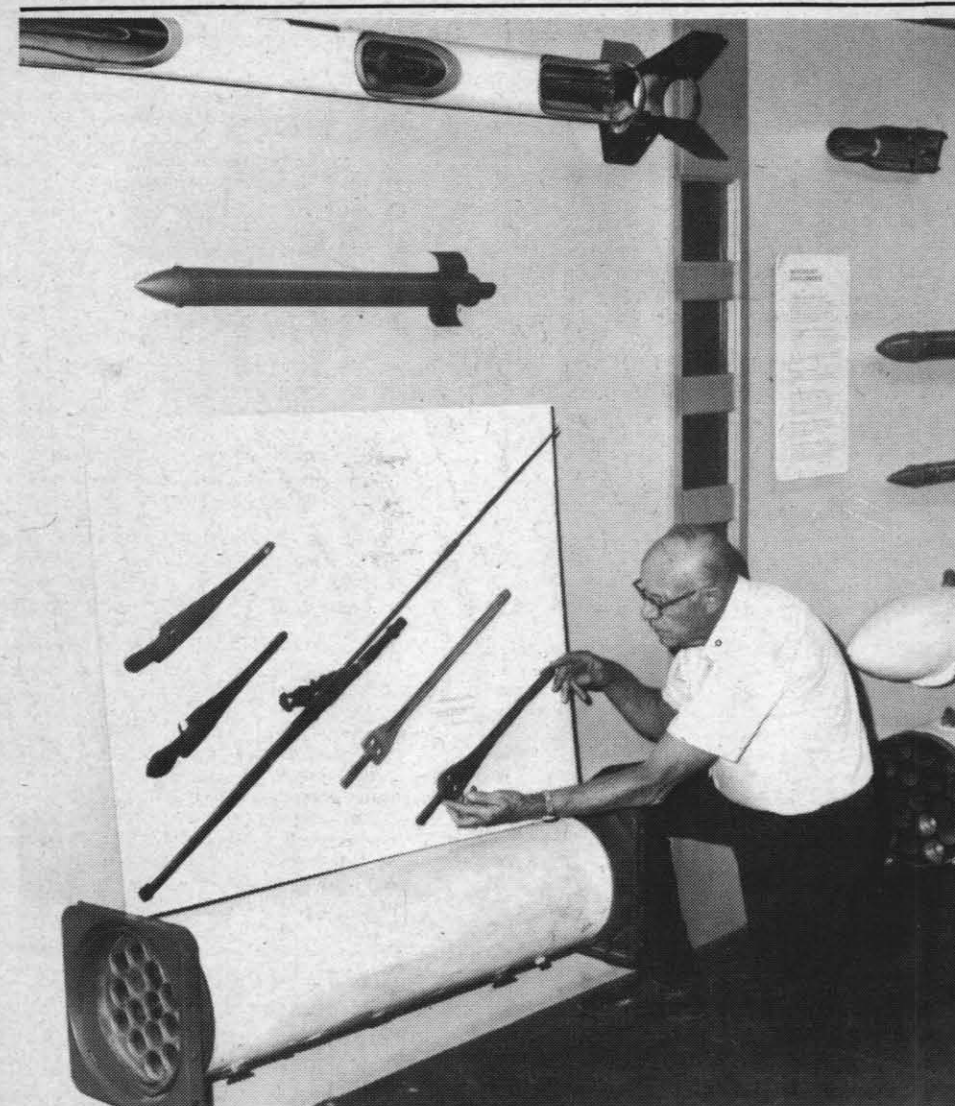
Practice will start during the first week of October. Interested persons may register either at the indoor pool or the gymnasium office.

Fall Tennis Classes

Classes for beginning and intermediate tennis players will begin on Tuesday under the instruction of Fred Hagist.

Classes for beginners will be held at 10 a.m. on Tuesdays and Thursdays and at 5 p.m. on Wednesdays. Instruction for intermediate players will be given at 5 p.m. on Tuesdays and Thursdays. Fee for the Tuesday and Thursday classes is \$14 for 12 sessions and that for the Wednesday class is \$7 for six sessions.

Classes will be limited to the first eight students who sign up. Registration may be made at the gymnasium between 9 a.m. and 2 p.m., Monday through Friday.



ANCIENT WEAPONS ON DISPLAY — An exhibit of ancient weapons called atlatls can now be seen by visitors to the Maturango Museum on Saturdays and Sundays from 2 to 5 p.m. These weapons, invented more than 10,000 years ago, extended the length of a man's throwing arm when a spear was notched into its outer end. Kenneth Robinson, director of the museum, made arrangements for obtaining the ancient weapons on a loan from the Smithsonian Institute in Washington, D.C., and from the Los Angeles Museum of Natural History. The atlatl being examined by Robinson is a far cry in weapons development from the examples of rockets and missiles on display in the same section of the Weapons Exhibit Center, which adjoins the local museum. —Photo by Ron Allen

Ex-China Laker retires after holding high post at Naval Postgrad School

Dr. Wilbert F. "Rick" Koehler, a former employee of the Naval Ordnance Test Station, has recently retired from his long service as the Naval Postgraduate School's (NPS) dean of programs, the second highest academic post at the institution and one which he has held since 1962.

Dr. Koehler, who is a physicist, received his Ph.D. from John Hopkins University in 1948, after having taught physics at the U. S. Naval Academy. He joined the NPS faculty in 1948 as a professor of physics.

From 1951-61 he worked at China Lake, first as a research scientist in the Research Department and later as head of the Physics Division. He then returned to NPS.

The many honors received by Dean Koehler through the years include being named an NPS Distinguished Professor and (upon retirement) receiving the prestigious Navy Civilian Superior Service Award, which cited his qualities of leadership, judgement, dedication and inspired performance.

He is listed in "Who's Who in America," is a fellow of the Optical Society of America and a member of many professional

societies, including the American Physics Society, the American Association for the Advancement of Science and the Association for Institutional Research.

In retirement, Dr. Koehler plans to continue his studies and research from a new office on the NPS campus. He is looking forward to enjoying a bit more leisure time with his wife, Vivian, in their home in the Alta Mesa district of Monterey.



Dr. W. F. Koehler

Work progressing well on consolidation of NWC, Ridgcrest sewage treatment facilities

Work is moving along well on a \$3 million contract that was awarded last June to the Wal Con Construction Corp. of Sherman Oaks for the consolidation of the Naval Weapons Center and City of Ridgcrest sewage treatment facilities.

Workmen have completed the task of installing most of the collection lines and laterals that will carry the sewage effluent from Ridgcrest to the greatly enlarged disposal plant at China Lake.

In addition, excavation for a settling tank

15 by 70 ft. wide that will be 18 ft. in depth at its deepest point has been completed, and the work of installing the forms for the tank's concrete bottom and walls is under way.

Pouring concrete for the first section of the settling tank is expected to begin any day, according to Homer Smith, superintendent for the Wal Con Construction Corp.

In addition, new evaporation ponds that will cover 175 acres are to be built. Part of this construction will involve 240,000 cubic yards of compacted fill to form the lagoons, the slopes of which will be protected by 74,000 sq. yds. of rock and rubble to prevent erosion.

The new, enlarged sewage treatment plant at China Lake is designed to meet local area needs for the next 20 years. Three-quarters of the total cost is being provided by the Environmental Protection Agency, and the new plant will meet the requirements of the State of California's Water Quality Control Board, which is covering 12½ per cent of the expense. The remaining 12½ per cent of the cost will be paid by the users.

Dr. McLean's many contributions remembered...

(Continued from Page 1)

fellow on projects he had a feeling about, and didn't hesitate to espouse what might be unpopular causes."

Dr. Ward, who was a co-worker with Dr. McLean in the old Aviation Ordnance Department prior to 1950 and later became head of the department, was the Associate Technical Director of NWC at the time of his retirement from Civil Service in January 1973. He was aware, Dr. Ward said, that just days before his death, Dr. McLean had been working at home on another invention which he believed would be of some future use to the Navy.

Dr. Ward described Dr. McLean as a man that even a fatal illness couldn't keep from

(Editor's note: the following message was sent on Wednesday, Aug. 26, from the Naval Weapons Center to the Naval Undersea Center in San Diego.)

On behalf of the military personnel and civilian employees of the Naval Weapons Center, request you convey our deep sympathy to Mrs. McLean and her family on the death of her husband, Dr. William B. McLean.

Dr. McLean's many contributions to operational readiness of the Navy and Marine Corps, highlighted by his outstanding personal efforts in development of the AIM-9 Sidewinder, will always stand as a tribute to his unparalleled leadership and devotion to duty.

All members of the Navy's laboratory community share the deep sense of loss.

spending time thinking about new things. He was an inventor-type who believed in doing things simply, cleverly and inexpensively, Dr. Ward said.

H. G. "Hack" Wilson, a former NWC Technical Director who is now retired and living in Oceanside, remembers Dr. McLean as a scientist whom people trusted because of his very high integrity, and a man who had the innate ability to clearly state what he thought the essence of a

particular problem was.

"He was most effective in this way, and it was the feeling of those working with Dr. McLean that they had a good man at the reins," Wilson added.

To Dr. W. S. McEwan, head of the Research Department's Chemistry Division and a China Lake employee since June 1947, Dr. McLean was always a man who was very much interested in new ideas and concepts. He feels, Dr. McEwan said, that one of Dr. McLean's most valuable assets as a Technical Director was the prestige that came about due to the successful development of the Sidewinder air-to-air missile. "Because of this, he could express opinions and do a good many things of benefit to NOTS, even though they were not always popular in Washington circles," Dr. McEwan recalled.

Maximum Fed'l Award Received In 1956, when the Navy revealed the Sidewinder to the public as the newest addition to the Fleet arsenal, Dr. McLean received the maximum Federal government award of \$25,000 and that same year was presented the L.T.E. Thompson Award, (NWC's highest honor), in recognition of his leadership efforts with his project.

Two years later, Dr. McLean was the recipient of the President's Award for Distinguished Federal Civilian Service, which was presented by President Dwight D. Eisenhower, and in 1960 the American Ordnance Association honored Dr. McLean by presenting to him its Blandy Gold Medal.

Still other honors received by Dr. McLean were election to membership in the National Academy of Engineering in 1965 and the presentation to him by Vice President Hubert Humphrey of the Rockefeller Public Service Award for Science, Technology and Engineering. The

\$10,000 grant that accompanied this award was used by Dr. McLean to support research in a new field of interest to him — the sea.

In 1966, Dr. McLean received yet another award — a Secretary of the Navy Certificate of Commendation.

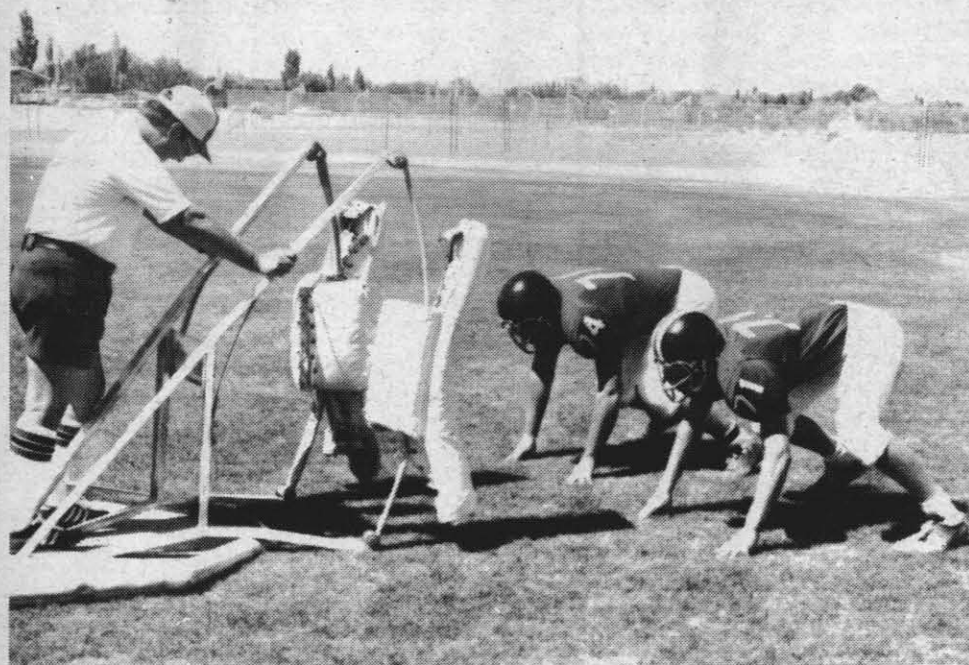
Reorganization of the Navy laboratories in 1967 opened up the opportunity for Dr. McLean to more closely pursue his interest in the oceans and what lies under them as he became the Technical Director of what is now the Naval Undersea Center at San Diego.

Additional recognition of his stellar efforts continued as (in 1969) he was singled out to receive the California Institute of Technology Distinguished Service award. Three years later (1972), the Institute of Electrical and Electronics Engineers presented Dr. McLean with its Harry Diamond Award for outstanding leadership in development of guided missiles and undersea exploration. In 1973 he was elected a member of the National Academy of Sciences.

Survivors Listed

Dr. McLean's survivors include his wife, LaV; three grown sons, William Robert, Donald Malcolm, and Mark Allen; a brother, the Rev. Robert N. McLean of Sacramento; his stepmother, Mrs. Robert McLean of Pasadena and two grandsons.

No funeral services will be held for Dr. McLean, but there are plans for a memorial service honoring him that will be held on Tuesday, Sept. 14, at 3 p.m. Those wishing to do so may contribute to the William B. McLean Memorial Fund in care of the Westminster Presbyterian Church, 3598 Talbot St., San Diego, CA 92106, where the memorial service is to be held.



BURROS PREPARE FOR GRID SEASON — A squad of more than 60 prospective varsity football players began workouts in full gear this past Monday in preparation for the 1976 gridiron season. In the photo above, David Bens, offensive line coach, watched as Mark Alden (No. 74) and Mark VanDevender (No. 71) practiced their blocking technique. Both Alden and Van Devender saw action as offensive tackles last year. The Burros will travel to East Bakersfield for a 10 a.m. scrimmage on Sept. 11, and then open a nine-game schedule against Chino High, a non-league opponent, at 8 p.m. on Sept. 17.

—Photo by Ron Allen

Drive Safely — Don't Make It Your Last

★ LABOR DAY ★

1776-1976

Survivors Listed

Norbert Rillieux — a Negro from New Orleans — perfected a vacuum pan in 1846 that revolutionized the sugar refining industry.

"Rillieux's invention is the greatest in the history of American chemical engineering, and I know of no other invention that has brought so great a saving to all branches of chemical engineering," says Dr. Charles Browne of the U. S. Department of Agriculture.

Rillieux also published numerous scientific papers and had an active career as a teacher of applied mechanics.

Congressman speaks at meeting here. . .

(Continued from Page 1)
was granted last year, as well as some estate tax reform, the Congressman stated.
"We should be concerned about the fact that, over the years, more and more people have access to our income tax returns. At least five agencies can request and obtain copies of your tax return, but Congress is committed to get this sort of thing stopped," Ketchum said.

Special Mass slated for mothers Sept. 8

Next Wednesday, Sept. 8, which is the birthday of the Blessed Virgin Mary, will be celebrated in a special way by members of the Catholic congregation of the NWC All Faith Chapel.

Lt. Joseph G. Wambach, Catholic Chaplain, will offer Mass at 12:15 p.m. in the Blessed Sacrament Chapel for mothers of the Catholic community. Following the Mass, there will be a special blessing of expectant mothers.

After the religious service, there will be a potluck luncheon at 1 p.m. in the East Wing of the Chapel. The main course will be provided by the Catholic congregation, while those who attend are asked to bring a favorite salad or dessert and rolls.

Women planning to attend this special Mass and luncheon are asked to call Agnes Winter at NWC ext. 3506.

Applicants sought for Community Council board

Applications are still being taken to fill the vacancy on the China Lake Community Council's board of directors that was created by the recent resignation of Jim Walden.

Anyone 18 years of age or over who resides at China Lake is eligible to serve as a member-at-large on the Community Council's board of directors.

Those interested in being considered for election to the board are asked to call Bob McCarten, secretary of the local civic group, at NWC ext. 7243 or (after working hours) at 446-2457. Such calls should be made before next Tuesday, Sept. 7.

Opportunities. . .

(Continued from Page 2)
related aircraft activity involved in tests; assists in the test plan by providing guidance to methods for obtaining required project test results. Job Relevant Criteria: Knowledge of radar, photo optical and electronic instrumentation systems capabilities; ability to plan air-launched weapons tests; knowledge of NWC ranges and of safety procedures related to weapons testing.
Employee Assistance Program Coordinator, GS-301, 7, 9, 11, PD, No. 7565005, Code 6504 — This will be a WAE or temporary position. This position is located in the Personnel Department, Program Development Division. The position's primary responsibility is to coordinate and administer the Center's Alcoholism Program for civilian employees; assist and guide individuals referred by supervisors or self-referrals who have problems with alcohol to seek help from an appropriate resource; arrange for and/or conduct education and training programs for supervisors, employees and designated union officials with respect to identification, control and prevention of alcoholism among the workforce. Job Relevant Criteria: Ability to communicate and establish constructive relationships; knowledge of and ability to use counseling techniques and methods; ability to work effectively with specialists and others in helping encourage and motivate program participants; knowledge of the causes and effects of alcoholism.
File applications with Carol Downard, Bldg. 34, Rm. 208, Ph. 2577.
Saw Filer (Helper), WG-4812-5, JD No. 518, Code 70423 — Assists a journeyman saw filer in the repair, sharpening and reconditioning of various types of saw blades, knives, drillers and other cutters used in woodworking machinery. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow directions in shop, dexterity and safety, ability to work as a member of a team.
File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2032.
Clerk-Typist, GS-322-3, 4, PD No. 744964, Code 4571 — This position is located in the Structures Branch of the Propulsion Development Department. This branch publishes a large volume and variety of technical reports and correspondence (formal and informal). The incumbent is responsible for the typing of these documents as well as typing official letters, maintaining files, receiving visitors, answering phone calls and performing other various clerical duties for the branch and division. Job Relevant Criteria: Ability to use dictating machine transcriber and IBM Magnetic Card Selectric, and to get along with others.
File applications for the above with Mary Morrison, Bldg. 34, Rm. 201, Ph. 2293.

personnel. In reference to one point that was raised on this matter, Congressman Ketchum was able to point out that the request for diminishment of the Commissary Store program had come from the Department of Defense — not from Congress.

Other questions fielded by Congressman Ketchum ranged from inquiries on the subject of optional retirement and what is happening to the money in the Federal government employees' retirement fund to the increased use by Federal agencies of contractor personnel rather than Civil Service employees, as well as what to expect in the way of a pay increase this year.

Balanced Budget Needed

In his responses to these questions, the local Congressional representative spoke most fervently on the need for a balanced budget — something he said will have to be demanded by the American people before any substantial changes could be expected.

He mentioned "zero base budgeting" as a means of controlling government spending. Such a procedure would require that Congress do a topnotch job of reviewing government budget requests since it would mean that each department would have to start from scratch with zero and then have to make a good case for receiving the money it was requesting. Once the budget requests had been submitted, it would then be up to the Congressional Budget Committee to decide where the priorities are and allocate the funds accordingly.

Write About Pay Problems

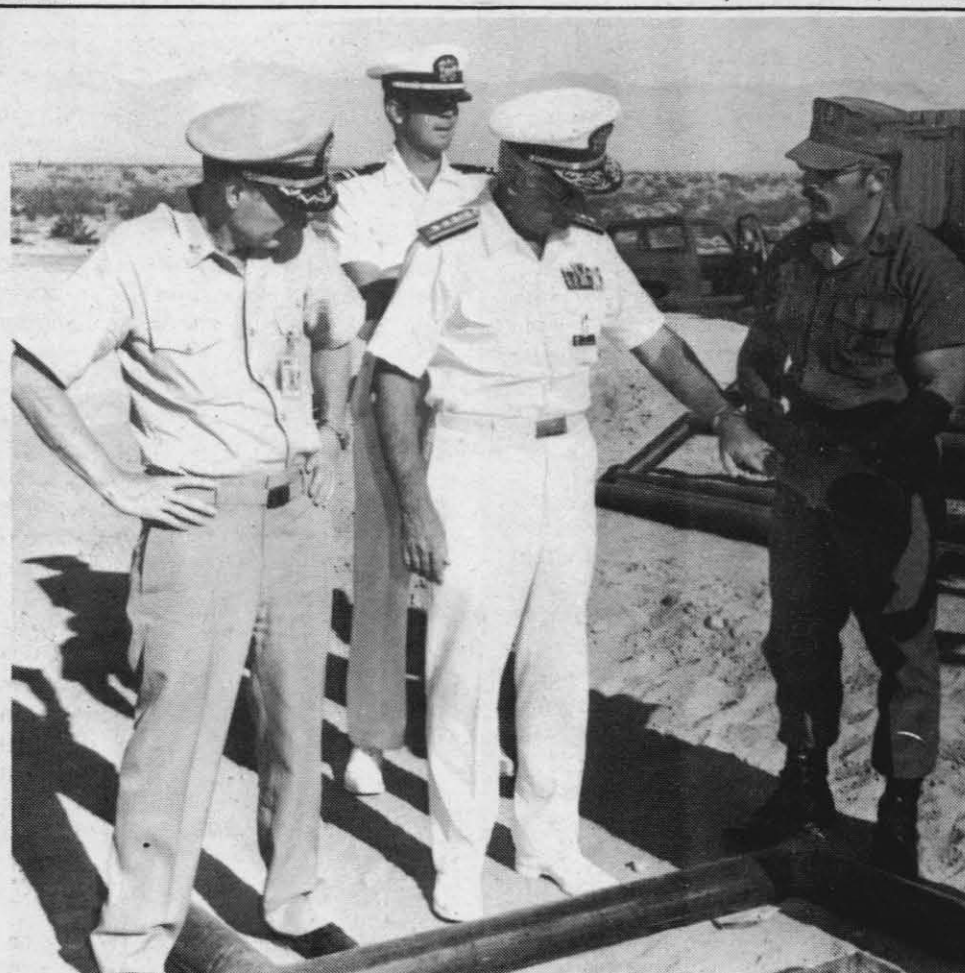
Congressman Ketchum asked that his constituents write to him about pay problems, adding that he had strong feelings about pay raises for elected individuals. Any pay raise for Congressmen shouldn't take effect until after the next election, Ketchum said.

He's also aware that an across-the-board pay increase of a certain percentage isn't fair to those in the lower pay grades who benefit from it far less than do those at higher levels.

Among those in attendance at the meeting with Congressman Ketchum were Rear Admiral R. G. Freeman III, NWC Commander; Bill Hamilton, zone vice-president of the National Association for Supervisors from Point Mugu; Don Rowland, president of the Barstow chapter of the Supervisors' Association; officers of China Lake Chapter No. 28; Leroy Jackson, local area representative on the Kern County Board of Supervisors, and Mayor Ted Edwards of Ridgecrest.



CARS ARE HIS BUSINESS — Gabe Rakoczy, a native of Budapest, Hungary, recently reported aboard the Naval Weapons Center as mechanic at the Navy Exchange Service Station. He will specialize in fast service such as tune ups, brake jobs, oil changes, wheel bearing packs, transmission service, lubrications and tire balancing. Rakoczy, who has been a mechanic since 1961, came to this country from Canada in 1964, had his own garage in Burbank and worked for a Pontiac dealership in Los Angeles before coming to China Lake. He and his wife, Edith, and children, Christopher, 7, and Suzanne, 4, live in Ridgecrest.



SEABEES SELF-HELP PROGRAM WORK INSPECTED — During a two-day visit last week to the Naval Weapons Center, Rear Admiral John R. Fisher, CEC, USN, Commander, Construction Battalions, U.S. Pacific Fleet, had a chance to look over the varied types of assistance provided here by active duty Seabees from Naval Mobile Construction Battalion 5. In this photo, the top Seabee in the Pacific was at the Naval Air Facility swimming pool, where he is shown inspecting a section of 4-in. pipeline that is an integral part of the solar heating system. Holding the pipe is Senior Chief W. T. Cava, head of the Self-Help Project Office, while looking on at left is Capt. W. F. Daniel, NWC Public Works Officer. In the background is Lt. Richard Dun, an aide to RAdm. Fisher. Before leaving for the Mojave B range area to observe a portion of the NMCB-5 desert training exercise, RAdm. Fisher also looked over other work performed here by an advance party of 90 Seabees from NMCB-5. These jobs included remodeling the interior of the NAF galley by installing walnut paneling on the walls and acoustical tile on the ceiling, putting in a sprinkler system at a Special Services Division playing field on S. Knox Rd., the removal of a large number of dead palm trees at the China Lake golf course, and installing interior ceiling and wiring for electric lights at the Center's new handball courts.

—Photos by Ron Allen

Happenings around NWC

The tradition of proud fathers passing out cigars upon the birth of a child turned members of the China Lake Fire Division into a group of real "smoke eaters" during the period from Aug. 16 to 27 when no less than four infants were born into the families of fire fighting personnel.

The new fathers are Richard L. Rivers, the division's fire prevention chief, and firemen Randy Carson, Randy McCorkle and Robert Shue.

Mrs. Rivers (Karen) gave birth on Aug. 16 to a boy who was named Seth Kristian. Christopher Wayne is the name of a son born on Aug. 24 to Mrs. Isabel Carson.

Two of the infants, Kurt Carmeron McCorkle and the only girl, Robin Lyn Shue, were born on Aug. 27.

Square Dance Lessons Set

Registration will be held for the next three Tuesdays (Sept. 7, 14 and 21) at 7:30 p.m. at the Community Center for a square dance class for beginners that is being offered by the Jim Dandies Square Dance Club.

These introductory lessons, which will be free of charge, are designed to acquaint all interested persons with the fun and routines of square dancing.

They will be followed by 27 consecutive Tuesday night classes that will be held from 7:30 to 10 o'clock and be conducted by Bill and Lucille Grady, as instructors. Donations are \$15 per person, which includes membership in the club upon graduation.

Additional information can be obtained by calling either 446-5425 or 446-2034.

Sign Up for Bus Trips

A list of the names of military personnel and their dependents who are interested in going on bus trips to visit points of interest in the local desert area is now being compiled at the Community Center.

If sufficient interest in such outings is

shown, arrangements will be made for trips to Little Petroglyph Canyon, the ghost town of Panamint City, Burro Schmidt's Tunnel, the Pinnacles, Coso Hot Springs and Death Valley.

Those wishing to be included on such trips are asked to call the Community Center at NWC ext. 2010, Monday through Friday between the hours of 7:30 a.m. and 4:30 p.m.

Navy League To Meet

The Indian Wells Valley Council of the Navy League will hold its first meeting of the fall season next Thursday evening, Sept. 9, at the Commissioned Officers' Mess.

A social hour at 6:30 p.m. will precede a dinner that is to be followed by a talk by Cdr. Roger Martin, Commanding Officer of the Naval Petroleum Reserve at Elk Hills, Calif.

Cdr. Martin will acquaint his Navy League audience with the background of the Naval Petroleum Reserve and also provide more recent information since the start of pumping operations at Elk Hills by the Standard Oil Co. on July 3.

Hours to change at some NEX facilities

New hours of operation for three Navy Exchange facilities will be put into effect beginning next Tuesday. The NEX service station will conduct business from 9:30 a.m. until 5:30 p.m., Monday through Friday, and from 10 a.m. until 4 p.m. on Saturdays.

The Plaza snack bar will operate from 6 a.m. until 6 p.m., Monday through Friday, and from 10 a.m. to 4 p.m. on Saturdays.

The new Michelson Laboratory snack bar will be open from 9 a.m. until 1:30 p.m. on weekdays only.

Seabees of NMCB-5 rough it in field exercise on desert

(Editor's note: Among the numerous activities conducted in the Naval Weapons Center's B range area are military training exercises carried out by active duty Seabee units. During the period of Aug. 19-26, more than 400 personnel of Naval Mobile Construction Battalion 5 were here for a condensed, but highly concentrated, period of such training. What follows is a write-up by a Navy journalist member of NMCB-5 about simulated ground combat conditions in the desert.)

By J03 Douglas M. Sanford

Learning to live in a hostile environment was the aim of U.S. Naval Mobile Construction Battalion FIVE (NMCB-5) when it returned after a year's absence to the Mojave Desert surrounding China Lake for its annual field exercise.

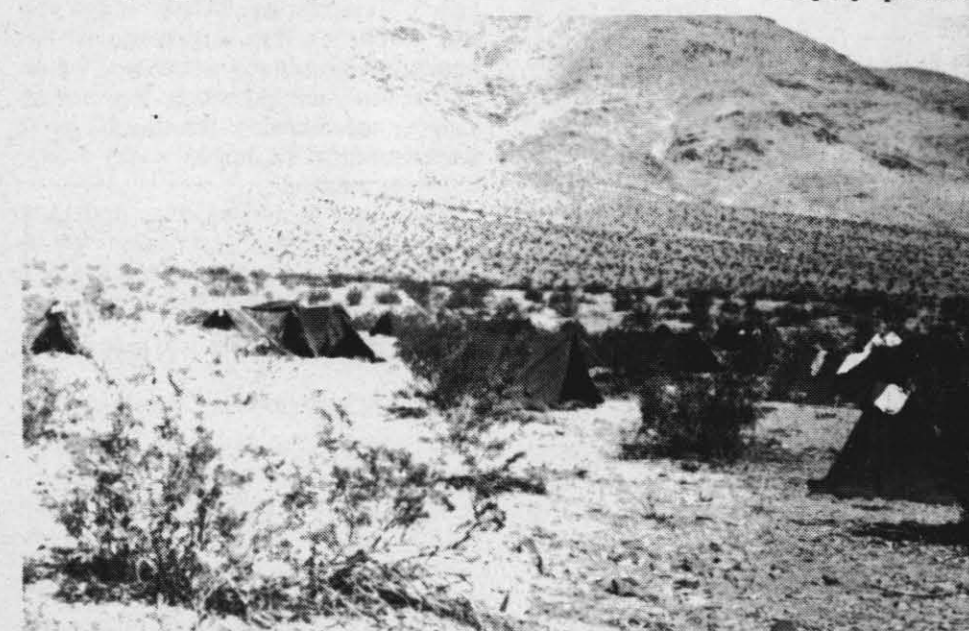
The Port Hueneme-based Seabees spent a week bivouacked 53 miles east of the main industrial and housing area of the Naval Weapons Center. In August 1974, NMCB-5 spent five days and four nights in nearly the same location in the beautiful but barren Panamint Valley near Wingate Pass.

An advance party of 90 Seabees deployed to NWC a week before the main body to prepare the bivouac area, and to undertake several Navy Self-Help Program construction projects for their hosts at China Lake. They were led by Lt. Raymond Mello, while Master Chief Clyde Walker was in charge of the working crews.

For many of the Seabees, it was their first experience in living in the desert. Classes on desert survival, field hygiene and first aid, perimeter defenses, convoy tactics, and desert tactics were held. Saturday found much of the battalion out on patrol, learning to gather intelligence information, and to set up a hasty defense.



SIGHTING IN — Old oil drums painted black were used as targets during M-16 rifle sighting-in drills.



HOME ON THE RANGE — Tents of all sizes, ranging from the 2-man shelters above to a circus tent for a classroom and a camp galley tent were set up in the Panamint Valley area near Wingate Pass by Seabees who came here from Port Hueneme for a week-long desert training exercise.

Weapons training played a big part in the training schedule. The 81mm mortar crews received hard-to-come-by "hands-on" training, actually firing both high explosive and illumination rounds into the desert hillsides. The largest weapon in the Seabee arsenal, the 106mm recoilless rifle, also was given a workout by its Alpha Company crews.

For the month preceding the field exercise, the Seabees underwent intensive training on the M-16 rifle, .45 caliber pistol, the M-60 machine gun, and the M-203 rifle/grenade launcher. There was keen competition to decide the best marksmen in the battalion, based on both classroom and live-firing competition.

One of the highlights of the exercise came on Saturday night when the Seabees viewed a platoon-size night firing demonstration conducted by the 31st Naval Construction Regiment (31st NCR), using men from each company in the battalion. Other personnel of NMCB-5 watched as the fire power of the M-16, M-60, and the 81mm mortar was demonstrated.

Fire Power Demonstrated

Each weapon was fired individually on command, and then by fire teams and squads. Then, under a clear Mojave sky, the entire platoon opened fire with tracers and illumination rounds to demonstrate the final protective fire of the Seabee defense.

The Seabees, whose slogan is "Construimus Batiunimus" ("We Build, We Fight") are primarily a defensive unit, defending their own construction projects in a war-time situation. Seabee battalions are also a completely self-contained, self-sustaining, highly mobile unit with their own supply, medical/dental, intelligence/communications, administrative personnel, and chaplain operations.

The field exercise camp complex included tents of all sizes, from 2-man shelters to a circus tent for a classroom, a camp galley tent, a security system, an armory, a communications land line network, a radio network, a fire direction control center (for plotting simulated 81mm mortar fire), a portable electrical generating plant, a helicopter landing zone, and an assortment of heavy equipment, ranging from jeeps and water buffalos to five-ton dump trucks and a road grader.

Environment Protected

Throughout the exercise, care was taken to preserve the ecology and environmental balance of the Mojave Desert. Spent rounds, C-rations cans, and papers were cleaned up daily, and the site was returned to the natural state in which it had been found. All wildlife was off-limits, except for flies and the few rattlesnakes that made the mistake of trying to live within the camp perimeter.

On Monday and Tuesday, the line companies — Alpha, Bravo, Charlie and Delta — spent a day and a night away from the camp in an actual desert survival exercise. While Headquarters Company provided



WEAPONS, AMMUNITION ISSUED — Petty Officer 3rd Class Tom Kelso checks the sling on an M-60 machine gun, while behind him other personnel of NMCB-5 can be seen drawing ammunition for their firearms. In the foreground are two of the largest weapons in the Seabees' arsenal, 106mm recoilless rifles.

camp security, A, B, C and D companies were individually transported away from the camp to set up their own defensive perimeters and to find or distill their own water from the desert floor. They returned Tuesday to the most grueling part of the exercise.

Combat Conditions Simulated

Until then, the exercise had been rough and demanding, but at least the Seabees had a chance to recuperate with a good night's sleep in their two-man shelters and sleeping bags. By Tuesday night, however, most of the camp luxuries, as well as all of the two-man shelters, had been struck. Now the men were dug into the hot desert floor in fighting holes, company and battalion command posts had been darkened, and the battalion prepared for a 24-hour tactical exercise.

The enemy, or aggressors, were from the 31st NCR military training unit and a few select Seabees from NMCB-5. For the next 24 hours they probed, attacked and otherwise harassed the battalion in an attempt to infiltrate the camp defensive perimeter.

The battalion was on full alert from 6 a.m. Wednesday, Aug. 25, until 6 a.m. the following day as attacking aggressors tried to breach the battalion defense. With darkness on Wednesday came an increased

activity on the part of the "enemy" forces. It was a long, very tiring night for all, and when dawn came, and with it the final aggressor attack, the exercise was ended.

Throughout the tactical exercise, the aggressors made free use of tear gas, and nearly everyone got his nostrils loaded at least once before donning his gas mask. The battalion cooks had a job on their hands keeping hot coffee on the line to wash down C-rations.

Among the observers of the battalion activities was Rear Admiral John Fisher, CEC, USN, Commander, Construction Battalions, U.S. Pacific Fleet, the top Seabee in the Pacific. He arrived by helicopter in time for the tactical exercise.

It was a hot, tired, dusty Seabee battalion

Photos by Petty Officer 1/C David Wilkerson

that boarded the 2½-ton trucks for the ride to the stretch of blacktop road where charter buses were waiting to take the troops back to Port Hueneme and the good things in life.

NMCB-5, which is commanded by Cdr. David C. DeVico, will be deploying in November to Rota, Spain.



AMPLE SPACE FOR FIRING PRACTICE — The wide open expanse of the Panamint Valley, near Wingate Pass, was a good place for both desert training and putting into practice previous instruction in operation of the M-60 machine gun. Under the watchful eye of their instructor, two members of a Seabee machine gun crew have a crack at firing the automatic weapon, while others in the background wait for their turn.