

'The Miracle Worker' To Open Next Friday At Lecture Center

"The Miracle Worker," CLOTA's upcoming production, is a play for the family. A must for every child to see, it is the story of Helen Keller, the deaf and blind girl who captured the hearts of millions.

The play will be performed at the Burroughs Lecture Center on March 29, 30, 31 and April 5, 6. Curtain time is 8:15 p.m., except on March 31, when the production begins at 7:15 p.m.

Helen Keller was a legend of her times. By the age of 12, she was a world-wide celebrity. She was the friend of such notables as Alexander Graham Bell, Phillips Brooks and Mark Twain. She had gained the respect of the crowned heads of Europe. A ship was named after her in 1890. Oliver Wendell Holmes even published a letter of hers in one of his books. President Grover Cleveland had received her in the White House, as other presidents were to do in later years. It was known that she had made Calvin Coolidge smile, and Mark Twain had said that she was the most marvellous person of her sex since Joan of Arc.

"The Miracle Worker" is centered on the great relationship between Helen Keller and her teacher, Anne Sullivan played by Elena Vitale and Cathy Carter, respectively. Miss Sullivan first brought the rebellious 7-year-old into meaningful contact with the world around her.

BVD Night Planned Saturday at COM

Tomorrow night is BVD night at the Commissioned Officers' Mess. No, this is not the latest take-off on the streaking craze.

BVD stands for beer, vodka and dessert, and for \$5.75 per person guests at the club may consume all of the aforementioned items they can hold in one evening.

A good way to work off the vodka would be to dance to the El Batuka band, from Lancaster. The group will provide music from 9 p.m. until 1:30 a.m.

Club manager Drake Dierkhising has invited all members and their guests to attend.

He has asked, however, that those who come wear more than their BVDs.



JAZZ CLINIC—Saxophonists from Burroughs High School's orchestra listen to a member of Charles Wood's Jazz Ensemble (r.), from Bakersfield College, during a jazz clinic sponsored by the two schools on March 12. The Jazz Ensemble held the clinics prior to a concert that evening at Burroughs' Lecture Center. Members of the Burroughs orchestra and the stage band attended the clinics, which, according to Russ Parker, were very well received. —Photo by PH3 D. M. Jeneaux

CENTER HAPPENINGS

The Desert Art League will hold its monthly meeting on Monday at 7:30 p.m., at the Community Center with Keith Ward of Palm Springs as guest speaker. Ward will present an oil portrait demonstration.

Ward has had a distinguished career in commercial as well as fine art. He has done illustrations for a number of commercial agencies and is the originator of the spotted pups used by Texaco. He includes in his book illustrating work the illustrations for the Elson Readers textbooks.

He also worked for 10 years as a sculptor.

Now retired from the commercial art field, he devotes his time to the fine arts. He not only has achieved fame as a portrait painter, but also has a gallery in Palm Springs.

A brief business meeting will be held in which candidates for officers of the Art League will be introduced.

GEBA Assessments Due

Assessments are now due from members of the China Lake Mutual Aid Society and the Government Employees Benefit Association following the deaths of two former Naval Weapons Center employees.

Carol Mitchell, 61, an ex-employee of the Public Works Department who had retired, died Sunday at the Ridgecrest Community Hospital.

The other death to be reported was that of Clyde Turbett, 48, an engineering technician employed at Charlie Range in the Operations Branch of the Test and Evaluation Department's Air Operations Division. He died on Tuesday.

CLMAS and GEBA members are asked to contact the collectors in their work area to pay these latest assessments.

Word also was received by Larry Mason, secretary for CLMAS and GEBA, that Phillip Norcom, 69, another former NWC employee, died on March 14 in Pasadena as the result of an automobile accident. In this case, however, the usual assessment has been waived.

CPO Dance Set Tonight

The Good Time Music Band, led by Don Kummerman and featuring Ronnie and Patti Thompson as soloists, will provide music for a dance at the Chief Petty Officers' Mess tonight, beginning at 9:30.

New Hours at FEDCO

New hours of operation at the Fedco Service Station, which have been in effect for the past two weeks, will be continued subject to the availability of gasoline, the NWC Employee Services Board announced.

At the present time, the Fedco Service Station at China Lake is being operated Monday through Saturday, from 9 a.m. to 6 p.m.

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.
- Matinee—1 p.m.

FRI. 22 March

"CHARLEY AND THE ANGEL"

(94 Min. Disney Production)
Fred MacMurray, Cloris Leachman
(Comedy) A pleasant fantasy with Fred MacMurray the owner of a hardware store during the early depression years, his wife Nettie (Cloris Leachman), a teen-age daughter and two children. The whole family has a desire to visit the Chicago World's Fair. But not MacMurray. Business is bad and he has no time for such foolery. So along comes an angel named Roy (Harry Morgan), who's supposed to take MacMurray to the Great Beyond. (G)

SAT. 23 March

"FAMILY MATINEE—'GEORGE'"

(93 Min.)
Marshall Thompson, Jack Mullaney

—EVENING—

"EVEN ANGELS EAT BEANS"

(93 Min. Released Oct. 73)
Giuliano Gemma, Bud Spencer
(Drama) An ex-prizefighter who wouldn't take a dive in a bout for the Mafia, along with a small time "would be" hoodlum set out to make some money supposedly doing what the big racketeers do. After a comedy of errors they manage to work themselves and the Mafia out of business. (PG)

SUN. & MON. 24-25 March

"THE STONE KILLER"

(95 Min. Released Aug. 73)
Charles Bronson, Martin Balsam
(Action Drama) Charles Bronson plays a mean, tough detective who always gets his man even if it involves operating outside the law. As the movie opens, he is suspended from the New York force for killing a teenager who pulled a gun on him. He moves to Los Angeles but returns with Eddie Firestone, a junkie Mafia hit man who is killed at Idyllwild. Bronson proceeds to uncover Martin Balsam's outrageous plot to revenge himself on families that took Mafia power from Sicilian clans. (R)

TUES. & WED. 26-27 March

"FIVE ON THE BLACK HAND SIDE"

(94 Min. Rel. Oct. 73)
Clarice Taylor, Leonard Jackson
(Comedy) On the eve of daughter Bonnie Banfield's wedding to Carl Mikal Franklin, browbeaten black housewife Clarice Taylor determines to come to an understanding with overbearing husband Leonard Jackson or leave him. He runs his home as a patriarch, although the atmosphere at his barber shop is fast and funny. (PG)

THURS & FRI. 28-29 March

"SCALAWAG"

(93 Min.)
Kirk Douglas, Mark Lester
(Action Comedy) Douglas is a charming, never-do-well who thinks nothing of murdering his enemies; he commands a pack of cutthroats in 1840 in Southern California. Neville Brand plays twins, one of whom betrays his pirate buddies and attempts to keep some buried treasure for himself. Douglas first murders the good twin to punish him for his brother's betrayal; he subsequently catches up with the evil twin just after his accidental death in an inn owned by the orphaned Mark Lester and his pretty older sister, played by Lesley Ann Down. A saucy parrot, tips Lester the whereabouts of the buried treasure. (G)

Aetna Agent Visit Slated

Jim Nephew, the Aetna Insurance representative, will be at the Community Center next Thursday, March 28, from 9:30 a.m. to 1 p.m.

From _____	PLACE STAMP HERE
TO _____	



Naval Weapons Center
China Lake
California

March 22, 1974

Vol. XXIX, No. 11

Optics Shop Now Better Equipped, More Versatile Than Ever Before

By Elizabeth Babcock

For 25 years, the NWC Optics Shop has made lenses and other precision optical components and has furnished consultation concerning the design and fabrication of optical components and systems. Now, thanks to a recent windfall of Navy surplus optical equipment, the Optics Shop is better equipped and more versatile than ever before in its history.

The Optics Shop, recently made part of the Physical Optics Branch in the Research Department's Physics Division, is run by Joe Shaffer, assisted by Don Bevis.

"Having the Optics Shop in this branch makes a good combination," said Dr. Hal Bennett, head of the Physical Optics Branch. "In the course of our work we do in-depth evaluations of optics. Here in the Optics Shop, we see the practical benefits of our research with fabrication of very precise optical surfaces.

Precision Work Important
"Our shop makes components that are better optically than those you can buy from most other optics shops. This precision of optical parts is particularly important for prototype systems where the engineer needs the best optics he can get in order to be sure that any discrepancies he may get in the system are not caused by bad optics," Dr. Bennett said.

"When an engineer wants to check his idea, he has to have components much better than would be necessary for a production run, so that he can be sure he's checking out his idea and not some optical shop's inferior optics," Shaffer added.

Use of the NWC-developed modified bowfeed polishing technique produces surfaces that are typically three to four times as smooth as the surfaces produced by commercial techniques. "Our components, polished by this technique, scatter about an order of magnitude less light than those from typical commercial sources," Dr. Bennett stated.

"Scattered light is a major problem in optical systems and is especially easy to (Continued on Page 3)



POLISHING SPINDLES—Don Bevis (left) and Joe Shaffer display some of the polishing spindles they use at the NWC Optics Shop to turn out optical surfaces that are typically three to four times as smooth as the surfaces produced by commercial techniques. With 4 grinders and 12 polishing spindles, the Optics Shop is now better equipped than ever before in its history.

Official From Niger Visits NWC To Learn About Cloud Seeding

West Africa is a long way from the Naval Weapons Center, yet the technology and expertise of Dr. Pierre St.-Amand's Earth and Planetary Sciences Division have brought the two locations together.

Harouna Diallo, the director of meteorological services from the African nation of Niger, spent three days at NWC this past week conferring with experts at the Center on the art of cloud seeding. Niger is currently in the throes of one of the worst droughts in the history of the country. For the past eight years the condition has been worsening. Diallo, with the aid of other influential persons in his country, convinced the government of Niger to look into cloud seeding as a solution to the plight.

"Cloud seeding is an expensive operation," said Dr. St.-Amand. "Yet, if the operation is successful, it could possibly mean harmony and prosperity, not only for Niger, but for the other five countries surrounding the small nation," he expanded.

Various Sources Visited

Diallo has spent three weeks of a month-long study gathering information on cloud seeding from various American sources. He first visited the U.S. Weather Modification Commission in South Dakota, and he has spent some time talking to Dr. Ray Booker, president of Weather Science Inc., in Norman, Okla. "That firm will be assisting us," Diallo said.

In preparation for the vast cloud seeding plans being laid by Diallo, he has purchased two Piper Aztec aircraft and he is making arrangements to have the two planes ferried to Niger.

There is no end to the advantages that

Diallo's cloud seeding operations will bring to Niger. A nation of 4.5 million people, Niger's economy is based on agriculture. "Most of our citizens farm strictly for themselves," Diallo explained. "However, we also raise a great deal of cattle, and the (Continued on Page 11)

Superior Court Decision Now Up to Board

Even though an important hurdle may have been cleared in the effort currently under way to establish a branch of the Kern County Superior Court in Ridgecrest, the Indian Wells Valley Bar Association is continuing its efforts to insure that this proposal becomes a reality in the not too distant future.

According to Judge Walter J. Osborn, Jr., presiding judge of the Superior Court in Bakersfield, he and other Superior Court judges in Bakersfield have agreed to hold Superior Court sessions in Ridgecrest.

Now that the Superior Court judges have indicated their willingness to do so, the ultimate decision on this matter will rest with members of the Kern County Board of Supervisors, who are responsible for allocating funds for operating the Superior Court.

Supervisors To Be Notified

It was his intent, Judge Osborn reported, to prepare a letter officially notifying the Board of Supervisors of the judges' decision on this matter.

In the meantime, the IWV Bar Association, headed by Cdr. H. O. Brinkson, NWC's Staff Judge Advocate, is drawing up a position paper outlining the reasons the group believes a branch of the Superior Court should be established in Ridgecrest. This position paper, which is to be accompanied with copies of resolutions passed by the China Lake Community Council, the Ridgecrest City Council and Chamber of Commerce, as well as letters from various civic and service groups in the Indian Wells Valley, will be sent to the Board of Supervisors along with petitions bearing the signatures of local residents.

Long Trip for Many

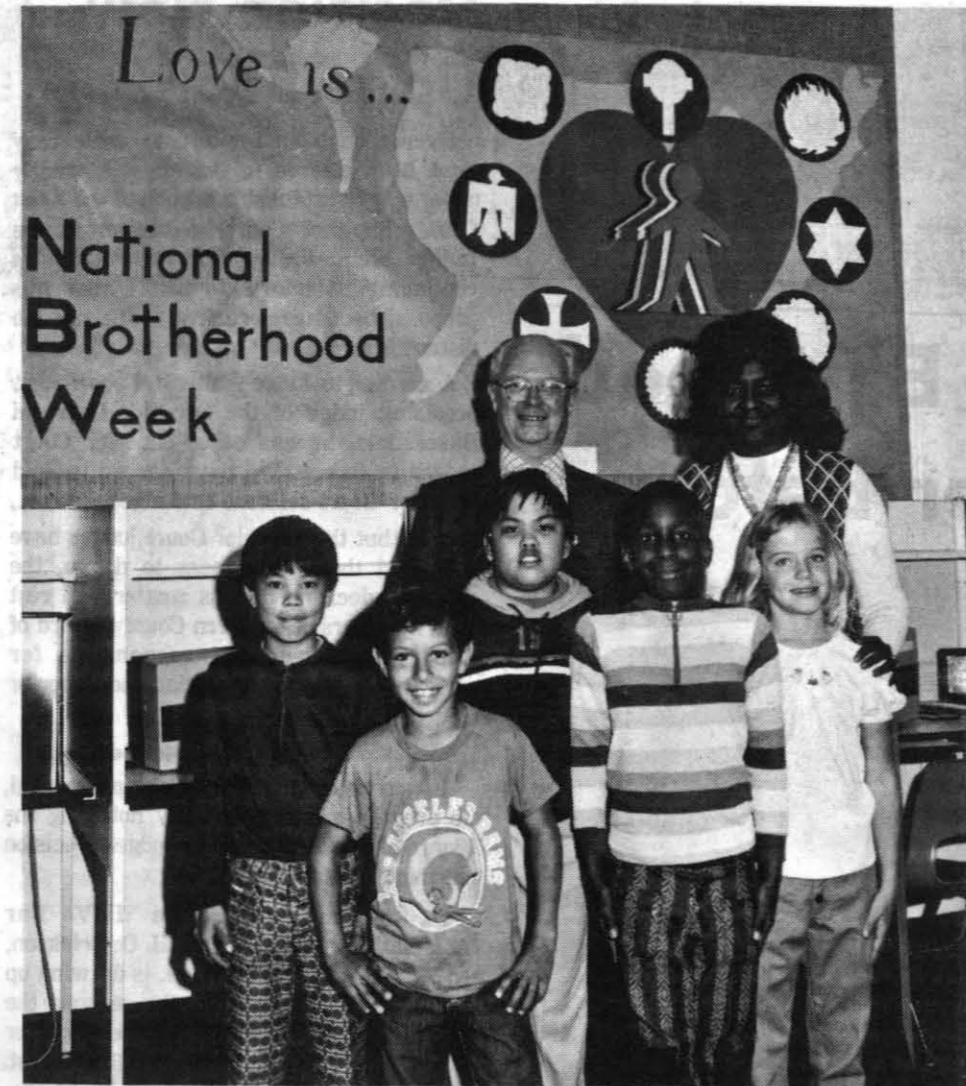
It has been noted that when Superior Court cases are held in Bakersfield, lawyers, defendants, plaintiffs, witnesses and policemen must make the long trip to the county seat, which is increasingly difficult now because of the energy crisis and gasoline shortage.

If provision can be made for scheduling Superior Court sessions at the new county building that is being built now in Ridgecrest, the judge would only require a bailiff, a clerk and a court reporter.

In a recent meeting held here, Leroy Jackson, First District representative on the Board of Supervisors, stressed the need for the IWV Bar Association to concentrate (Continued on Page 3)



BIG BIRD DESCRIBED—John C. Borneman (at left), a National Audubon Society expert on the condor, recently visited seven schools in the Indian Wells Valley to present film slides and a talk about the condor, a rare species of birdlife. To help his audiences visualize the size of this bird, Borneman brought along a replica of it showing the 9 ft. wing span which youngsters in the above photo are examining closely. Borneman's visit here was sponsored by the Oasis Garden Club of Indian Wells Valley. —Photo by PHAN Joe Dunn



LESSON IN BROTHERHOOD EMPHASIZED—During the recent observance of National Brotherhood Week, a special display featuring the symbols of various religious groups around the world was prepared for display in the Vieweg Elementary School multi-media center by Mrs. Harold L. Jaeger and Mrs. William Cooper. The symbols included on the National Brotherhood Week poster ranged from Celtic Christian, Confucianism and Judaism to Medieval Christian, American Indian and Moslem. Vieweg School students representing a variety of national backgrounds are shown in the photo with C. E. Van Hagan, Chairman of NWC's Equal Employment Opportunity Committee, and Bettye M. Rivera, a Vieweg School teacher who is chairman of the Human Relations Committee for the China Lake Education Association and the Desert Area Teachers Association, as well as vice president and education chairman of the IWV Branch of the National Association for the Advancement of Colored People. The youngsters are (l.-r.) Keith Sasaki, a Japanese-American; Andrew Byrd, an Afro-Mexican-American; Elizabeth Arcalas, a Philippine-American; Luis Miguel Rivera, a Puerto Rican, Indian, Afro-American, and Marye Ann Myers, whose heritage is German and English, in addition to American. "It is not powerful institutions or laws alone that are going to unite us, but a genuine concern of one individual for another; a respect for the dignity and worth of another human being," Mrs. Rivera stated.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2069. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date. If one has not been submitted within the last 6 months, the fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employer's present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Administrative Assistant, GS-341-4, PD No. 7451024, Code 513—This position is located in the Assessment Division, Systems Development Department. The incumbent assists the division staff and supervisory personnel in day-to-day administrative duties in the area of personnel, budget, reports, procurement, equipment and contract information. Job Relevant Criteria: Basic understanding of management techniques and principles; experience in budget and fiscal work; ability to write reports and organize data. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

File applications with Paul Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Supervisory General Supply Specialist, GS-2001-11, PD No. 7425008, Code 259—(This is a temporary position not to exceed one year with the possibility of leading to a permanent position). This position is Associate Head, Material Division for Retail Support. Incumbent supervises and coordinates the work of the Storage and Retail Issue Branch and the Direct Support Stock Branch. Incumbent is responsible for performing analytical work associated with planning and developing storage and issue programs and projects; conducts special issue and storage studies; formulates policy and establishes operational requirements for the branches supervised. Incumbent serves as a consultant to the Material Division Head as well as to the Director and Deputy Director of Supply in all matters concerning retail issue and storage programs. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to plan, direct and coordinate retail issue and storage programs. Knowledge of storage policies and procedures. Ability to analyze and evaluate agency programs and operations for retail issue and storage programs. Ability to make effective oral and written presentations.

Purchasing Agent, GS-1105-5/4 or 7, PD No. 7925011-4, 7925012, 7925017-4, Code 2522—This position is located in the Purchase Branch, Procurement Division of the Supply Department. Incumbent is responsible for a wide range of purchases of standard commercial items and services, as well as some technical items. Quotations or offers are generally solicited by telephone. Incumbent is responsible to assure that the contract files contain adequate documentation to justify his purchase actions. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be knowledgeable in all small purchase methods and the basic techniques of formal contracting. Ability to deal with a wide variety of persons, establishing and maintaining good relationships.

Contract Specialist, GS-1102-9, PD No. 7929021, Code 2522—This position is located in the Purchase Branch, Procurement Division, Supply Department. Incumbent is responsible for implementation of DOD small business policies at NWC. Duties include location of small business sources and to provide procurement advice to small business concerns. Assists purchase agents in resolving specific contractual problems as they arise. Incumbent processes contract terminations and modifications. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of government procurement and contractual practices. Experience in small purchase field. Ability to deal with Center management and technical personnel.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371.

Communications Clerk, GS-394-3 or 4, PD No. 7385909, Code 854—This position is located in the Communication and Electronics Maintenance Division, Code 854, of the

(Continued on Page 8)

Counseling Center Adds Psychiatrist, Three Psychologists

A psychiatrist and three psychologists have been added recently to the staff of the Desert Counseling Center.

Dr. Louis Paul is the newest member of the psychiatric staff, spending Mondays at the China Lake branch of the Center and Tuesdays at the newly-opened branch office on China Lake Blvd. in Ridgecrest.

Dr. Paul, who lives in Los Angeles, has taught at crisis intervention workshops across the United States and in Canada and India. He has led such groups at the Esalen Institute, at Big Sur, Calif., other growth centers, and in London.

Dr. Paul, who is a psychiatrist, psychoanalyst, teacher and sensitivity trainer, has been learning and teaching crisis intervention, family therapy and Gestalt therapy since 1962.

He will be conducting a training workshop in crisis intervention on March 29 and 30 at the China Lake Community Center. Dr. Paul also is the editor of Psychoanalytic Clinical Interpretation, and has had numerous articles published in psychological journals.

He received his BS degree at Antioch College, Yellow Springs, O., and his MD at Western Reserve University, Cleveland, O.

Among his personal interests are his five daughters, horseback riding, and dancing to Greek music.

Dr. Rita McMullen

Dr. Rita McMullen comes to the desert via the University of Oregon at Portland, where she received her degree in clinical psychology. Her current professional interests include individual, marital and family counseling, helping persons to communicate with each other, treatment of sexual inadequacy or difficulty, and community mental health work.

She is currently conducting a seminar for women which includes both didactic material and self awareness exercises in an all-female group setting.

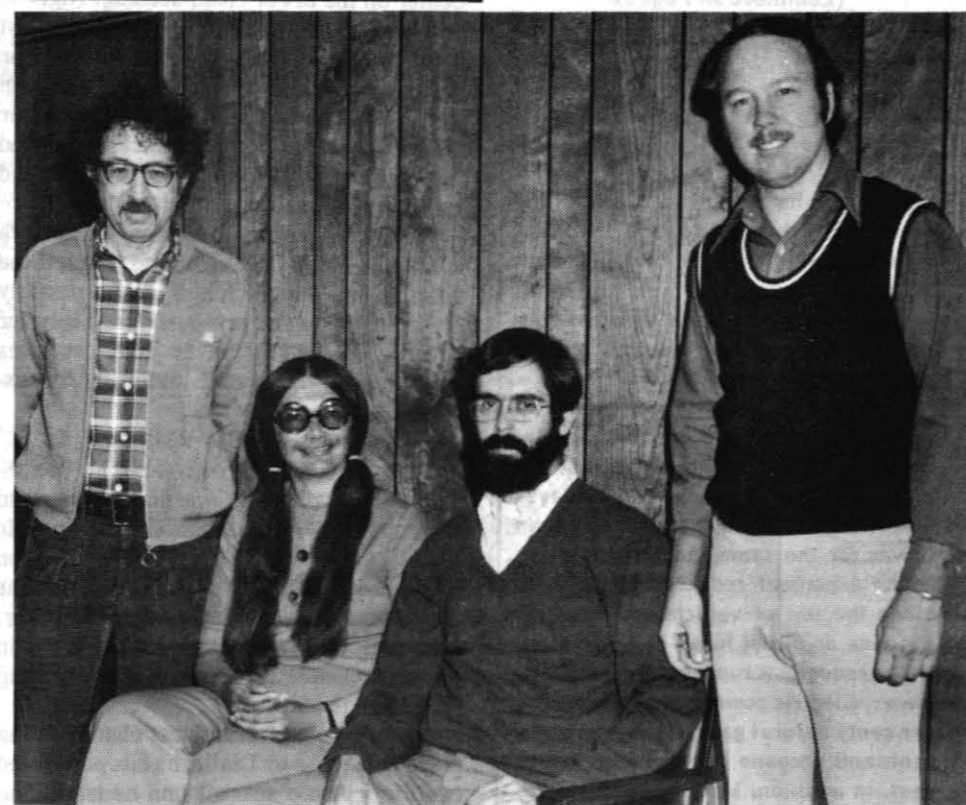
She received her undergraduate education at the University of Wyoming and at the McGill University French Summer School in Montreal, Canada.

She is married to AGC Jerome McMullen of the U.S. Navy, who recently transferred to Japan, after being stationed at NWC for the past 3½ years.

Dr. Bruce Powers

Heading up the Desert Counseling Center's new Substance Abuse Program is Dr.

(Continued on Page 7)



RECENT ARRIVALS—Now working for the Desert Counseling Center are three new psychologists and a psychiatrist. They are (l.-r.): Dr. Louis Paul, psychiatrist, and Dr. Rita C. McMullen, Dr. Bruce Powers and LaMont R. Lee, psychologists. Their specialties are listed in the accompanying article.



POLICE OFFICERS TRAINED AS 'CYCLE OPERATORS'—The first half-dozen members of the China Lake Police Division have completed their training in use of a motorcycle that was added recently to the division's fleet of vehicles. The police officers who received this training were (from left) Chief of Police Steve Kaupp, Sgt. Richard Cox, Darrel Beebee, Mike Moore, George Truesdale (astride the motorcycle) and Brock Field. At right are their two instructors, Greg Winkel, an employee at the Desert Sports Center in Ridgecrest, and Richard Hughes, a branch head in the NWC Research Department, who are both accomplished motorcycle riders and racing competitors. Police Division personnel also have attended the Safety Departments Motorcycle Safety course. This motorcycle was obtained by the China Lake Police Division for the purpose of patrolling off-road recreation areas on the Center, and incursions on the perimeter. It is not intended for use in competing with some of the more race-oriented motorcyclists on the Center, Police Chief Kaupp emphasized. More training classes also are planned to familiarize other Police Division personnel with operating a motorcycle.

Rainmaker Here From Niger...

(Continued from Page 2)

two occupations often lead to migrations during times of drought," he added.

The migrations work both ways — people coming into Niger from one of her neighboring countries because the drought is even worse there, or people migrating from Niger, generally into the larger country of Nigeria, where cattle may yet be raised, as the drought hasn't reached Niger's proportions.

Countries bordering Niger are Chad, Upper Volta, Mali, Senegal, and Dahomey, as well as Nigeria. "Diallo's dream could grow into a cooperative venture between these nations," said Dr. St.-Amand. "In fact, if it is successful, because of the inherent properties of cloud seeding, each of those nations will also benefit from Niger's operations. Rain in one area brings rain in another," he noted.

Diallo plans to begin operations in mid-May, when the monsoon season starts in Niger. After studying NWC's operations in the Philippines, the slim meteorological expert is very optimistic. "My nation exports millet, maize and peanuts, so a good rainfall each year is important to our economy," he explained. "With what I've seen and learned here in America, I think that we will be successful," he commented.

"Niger is extremely fortunate to have a man like Diallo," said Dr. St.-Amand. "He is personally responsible for formulating this plan, and if successful, it can mean only good for that part of Africa. Niger is located on the southern tip of the Sahara Desert, which at one time used to be lush and green," said NWC's foremost weather expert.

"During the days of Carthage, the Sahara Desert was a rich land, but poor land management saw it ruined in only 1,000

Richmond PTA to Meet

The Richmond School PTA will hold a meeting next Wednesday, March 27, at 7 p.m., in the Special Education Building at Richmond School. On the agenda for this meeting will be a presentation on unification by the Sierra Sands Unified School District Board of Education.

Also on the program will be vocal selections by students of the fifth and sixth grades.

All those interested are invited to attend. Further information can be obtained by calling Rilla Cordle at 446-2184.

years. Now the ruin is spreading, but Diallo's plans could put an end to it. In fact, it is not unthinkable that, with good land management, we could see a reclamation of the Sahara, much like what the Israelis are doing with the Negev Desert," Dr. St.-Amand pointed out.

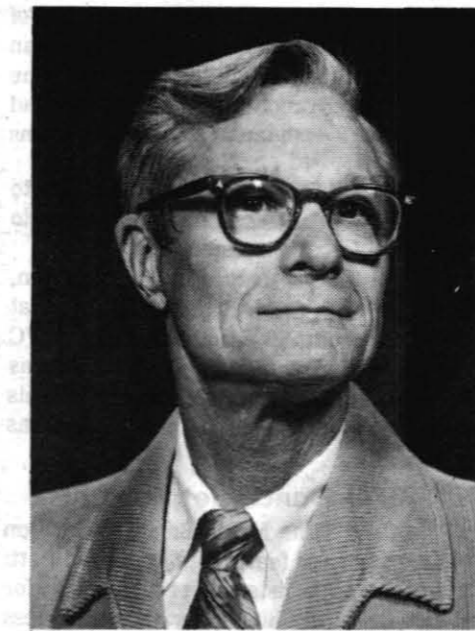
Diallo, who received a bachelor's degree from St. Louis University, St. Louis, Mo., and a master's degree from Florida State University, Tallahassee, will take back to Niger the expertise and experience of NWC's cloud seeding operations.

With him will go the good wishes of the rainmakers at NWC, and on his shoulders will rest the future of his struggling nation, and those nations that surround Niger.

Desert or vegetation? All it takes is a little rain — and technology.

Meet Your

Community Councilmen



REPRESENTATIVES FROM Precincts 3 and 7 on the China Lake Community Council board of directors are Rudy Shepard and Eleanor Phillips. A member of the local civic group for the past 3½ years, Shepard is chairman of the Council's Housing and Community Improvements Committee, serves on the Nominating Committee, is a representative to the Employee Services Board, and an alternate member of the Policy Board. A transferee to China Lake from Corona, Shepard is employed as an electronics technician in the Fuze Department's Development Division II. Mrs. Phillips, who was recently elected to fill an unexpired term on the Community Council, also is a member of the Housing and Community Improvements Committee. She came to China Lake two years ago, and is employed as a teacher of deaf and hard of hearing students who attend classes at the Richmond School Special Education Complex.

Employee In The Spotlight

In October 1945, Ralph Levenberg came home from the war, all 72 lb. of him. Flat on his back, dehydrated and paralyzed from the waist down, he was sent to the Mayo General Hospital, in Galesburg, Ill.

He spent eight months at the hospital recuperating from 3½ years spent as a prisoner of war during the holocaust that engulfed the world during the first half of the fourth decade of this century.

Ralph was taken prisoner on Bataan and is one of the survivors of the infamous Bataan Death March. He was incarcerated in several Philippine prison camps until July 1944, when he was sent on a prison ship to Nagoya, Japan, where he was when the war ended.

His injuries resulted from a beating he received just 14 days prior to the signing of the peace treaty. "I never could keep from saying what I felt, and one of my guards resented what I had to say," Ralph said, grinning from ear to ear.

Strangely enough, Galesburg, the location of Ralph's recuperation and recovery, is also the town in which he grew up. Born in Clinton, Ia., Ralph was graduated from Galesburg High School.

"I spent a couple of years knocking around after high school, first as a professional golf caddy and then as a driver working with a wholesale grocery house," he said. In August 1940, Ralph joined the U. S. Army Air Corps.

Joins 'Hat in Ring'

He was sent to Capt. Eddie Rickenbacker's old "Hat in the Ring" outfit, the 94th Pursuit Squadron. "I departed the States in November 1940 for the Philippine Islands. I was in Manila when the war broke out," Ralph recalled.

On Christmas Eve 1941, completely out of airplanes, the "fly boys" joined up with the infantry in an attempt to hold Bataan.

After his recovery, Ralph re-enlisted and was sent to Fitzsimmons General Hospital, Denver, Colo., where he was the administrative sergeant for the Air Corps Liaison Office there. "That's where I met the love of my life, my wife, Martha," Ralph said. "She was a surgical technician and she cut me out of the crowd," he laughed. The



Ralph Levenberg

couple was married in 1947.

In 1948, Ralph received a commission and joined the Officers' Reserve Corps. Called back to active duty in 1949, he joined the Strategic Air Command and got into security work.

Responsibilities Increase

Stationed all over the world at various times, Ralph's stature in the security field grew. He retired with the rank of major in April 1961 and three months later (after a stint as a Pinkerton agent), he came into Civil Service.

His first duty was with the Boston Ordnance District as chief of safety, security and intelligence. Then in July 1963 he became director of security for the Bureau of Naval Weapons' Fleet Readiness Representative, Atlantic, at Norfolk, Va. In October 1968, Ralph was promoted to the post of special assistant for investigations to the Commander of the Naval Air Systems Command.

"In October 1970, I became a desert rat," Ralph said, alluding to his accepting the position of associate director of security for the NWC Security Department.

Ralph and Martha have two sons — Michael, who is attending Northrup Tech Aviation School, and David, who will graduate this year from Cal State, Long Beach, with a major in criminology.

Martha is active in the Women's Auxiliary of the Commissioned Officers' Mess (WACOM), and she belongs to the Oasis Garden Club. She likes to cook, putter around in the garden and travel.

Love To Travel

Travel is one of Ralph's favorite pastimes, and he and Martha do as much as they can. He likes to read, but his special interests lie with the groups of which he is a member.

Ralph is the public affairs coordinator of the Western States Chapter of Bataan Veterans. He has recently been nominated for the Commander's post. In addition, he is president of the Reserve Officers' Association, an active member of the International Association of Chiefs of Police, member of Rotary, and the American Society for Industrial Security. He also belongs to the National Classification Management Society, and is a member of the Military Order of Purple Heart.

New Pass Desk Hours

New hours of operation for the NWC Visitor Control Center at the main gate have been announced by W. E. Davis, Director of Security.

Effective April 1, the Visitor Control Center will be open daily (including weekends and holidays) from 7 a.m. to 10 p.m. Formerly the Visitor Control Center was open until 11:30 p.m.

Visitors arriving after 10 p.m. will be required to log in with the guards at the gates and will be directed to the Police Station for issuance of a pass.

The Rocketeer

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Staff Photographers

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Wednesday, 11:30 a.m.
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DIVINE SERVICES

PROTESTANT		1015
Sunday Worship Service		0900
Sunday School — All Ages		1130
Wednesday Noon Bible Study		
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.		
ROMAN CATHOLIC		
MASS	1700 fulfills Sunday obligation	
Saturday		0700 0830 1130
Sunday		
BLESSSED SACRAMENT CHAPEL		
MASS		1135
Daily except Saturday		1635
First Friday only		
CONFESSIONS		1545 to 1645
Saturday		0800 to 0825
Sunday		
CCD CLASSES		1015
Sunday	Kindergarten thru 6th grades	1900
Wednesday	Seventh and 8th grades	
Above classes are held in Chapel Annexes across from Center Restaurant.		
As announced		Ninth thru 12th grades
		"In Home" Discussion Groups
		Monthly Youth Rallies
Contact Chaplain's Office for specifics.		
JEWISH SERVICES		
EAST WING — ALL FAITH CHAPEL		
Friday 1st and 3rd ONLY		2000
Sabbath Services		0900
Saturday		
Sabbath School		
UNITARIANS		
CHAPEL ANNEX 95		1930
Services		

**'Tight Jaws' Bowl
3158 To Win 1974
Men's City Tourney**

The "Tight Jaws," a team of five Navy men stationed at the Naval Air Facility, bowled the high team series to win the title in the recently concluded Ridgecrest/China Lake Men's Bowling Association City Tournament.

Racking up a 3158 score, with handicap, were Keith Morgan, Dave Homley, Jim Brown, Dick Bauers and Alan Olson.

Terracrom, a team from the scratch Premier League, totaled 3122 to garner second place. Team members are George Barker, Chuck Albright, Dan Ryan, Warren Turnbaugh and Dick Furstenberg.

A Ridgecrest team, Dean's Dry Wall, racked up third place with a 3119 tally. Bowling for this team were Harlow Dean, Don Fredette, Jim Nunn, Chuck Guilmette and Wayne Kennedy.

Chuck Cutsinger's Monday night Pollock Construction squad garnered fourth place in the tourney with a 3095 score. Bowlers on this team, including Cutsinger, are Kim Duckett, Bernie Wasserman, John Revels and Vic Black.

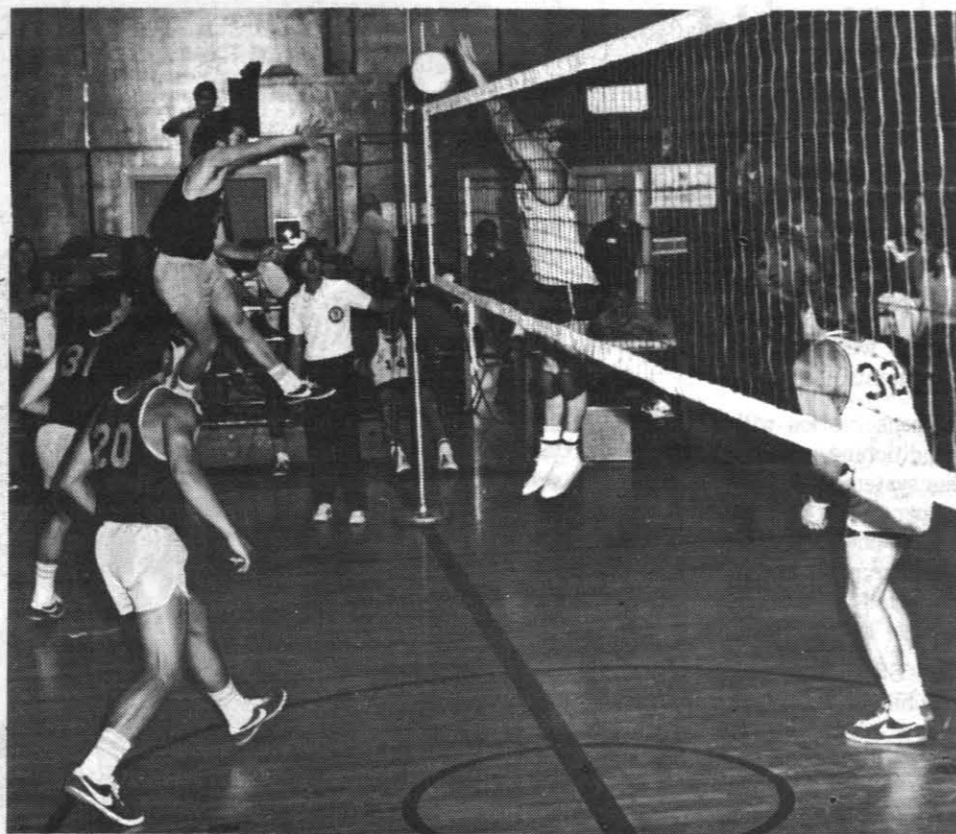
Thad's Pro Shop and the Five Brews tied for fifth place with identical 3047 totals. Bowling for Thad's team were Thad Brightwell, Doug Fisher, RC Jones, Jim Bowen and John Revels, while keggers competing under the Five Brews standard were John Wilhorn, Keith Morgan, Thad Brightwell, Dave Homley and Jim Bowen.

**Volleyball Entry
Fees Must Be Paid
By Deadline Today**

Captains of teams entered in the 1974 Intramural Volleyball League are reminded that they have until 4:30 p.m. today to turn in the entry fees for their teams.

An entry fee of \$60 per team will be charged this year, unless the team is a military entry. Any entry with 75 per cent or more military men on the roster will be considered a military team and may compete free of charge.

The volleyball season will begin on April 2... end the second week in May. At the present time, 17 men's and 5 women's teams have been entered. Marty Denkin, NWC athletic director, stated that more teams may join. However, any new teams will also have to meet today's deadline for payment of entry fees.



BLOCKED! — Ed Mikami of NWC blocks a Norton AFB player's spike during action at the 1974 Mojave Desert Interservice League Volleyball Tournament, held at the Marine Corps Supply Center, Barstow, last weekend. Despite this kind of effort, Norton defeated China Lake, 15-9 and 15-1, and went on to win the tournament title. —Official USMC Photo by Mary LaFave

**Dispensary Holds Onto Div. B
Lead During Week's Hoop Action**

With only Division B still playing in the China Lake Intramural Basketball League, some of the teams are doing double and triple duty trying to wrap up the league. League play will conclude on March 28, providing there are no playoff games scheduled.

For instance, in the past week, the Ensigns played four games — two each on the nights of March 13 and 14. They dropped the opening game on the 13th, by a score of 43-31, to the Outlaws, then bounced back and defeated the NAF Enlisted Men's hoop team, 54-50, in the nightcap.

In between games, the Dispensary crushed the VX-5 Enlisted Men, 66-35. Dennis Heggen and Jerry Pikka each tallied 16 points in that contest.

On the very next evening, the Ensigns, behind the 30-point effort of Dave Taylor, dumped the VX-5 Enlisted Men, 67-43. That was the final game of the evening. The Ensigns met Communications to signal the start of play that night and won the game, 53-29.

The in-betweeners were the Wallbangers and the Outlaws. The game was won by the Wallbangers, the league's third place contenders, 31-25.

This past Tuesday night, league-leading Dispensary squad outclassed the Communications cagers, 52-36. Second place Pioneers dropped a close one to the Wallbangers, 43-42, and Comarco squeaked by the Outlaws, 40-39.

Women's Basketball

The Hustlers held onto a slim half-game lead in the Women's Division with a 34-6 triumph over the Loewen's cagerettes. In second place, the Zingbats scored a win over T. J. Frisbees, 29-4, and the third place Wildcats managed to sink the Raiders, 30-16.

**Varsity Volleyball
Team Places Second
in MDISL Tourney**

The NWC Varsity volleyball team brought home second place honors from the Mojave Desert Inter-Service League tournament this past weekend.

Only Norton Air Force Base's netters had a better record. China Lake won nine games while losing three. The tournament victors had an 11-1 record.

Led by Jerry Kissick, coach, the men who garnered 13 points for NWC in the MDISL race are Chuck Jones, Larry Levsen, Bob Smith, Ted Bailey, Tim Higgins, Ed Mikami, Bob Berry, Duane Fojt and Tom Hill.

The local contingent lost two games to Norton and one to the team from Edwards AFB. Seven MDISL members participated. Only Nellis AFB, from Las Vegas, Nev., did not compete. The tournament was held at the Barstow Marine Corps Base.



The energy crisis, combined with the physical fitness fad, has brought about an ever-growing demand for use of the Naval Weapons Center's half-dozen tennis courts.

Because the tennis courts have been previously committed for some school programs, this also cuts into the times that this recreation facility is open to general use, John Shoaf, director of Special Services, stated.

During last week's meeting of the Joint Military-Civilian Recreation Council, the question came up regarding why it has been so difficult for military personnel to use the tennis courts, and The ROCKETEER was asked to publish a schedule of the days and hours that the tennis courts are now booked up ahead of time.

At present, and through mid-May, Burroughs High School's tennis teams have the use of the NWC tennis courts on Tuesdays and Fridays, from 2:30 to 5 p.m. In addition, Cerro Coso College is using three of the six NWC tennis courts during morning hours for physical education classes, and on four afternoons of the week for team practice and competition.

College Schedule

The present college schedule for use of the tennis courts is: Mondays and Wednesdays from 8:30 to 11:30 a.m. and 3 to 4:30 p.m., and on Tuesdays and Thursdays from 9:30 to 10:30 a.m. and 3 to 4:30 p.m.

Between mid-April and the end of May, the tennis courts on campus at Cerro Coso College are expected to be completed and ready for college physical education classes. At that time, the morning-hour use of NWC's tennis courts by college classes students will cease, but the college team will still use the NWC courts for its practice sessions and inter-school matches.

Courts Will Be Lighted

While the China Lake tennis courts lights haven't yet been turned on for the 1974 season (due to effort to conserve electricity during the energy crisis), the courts will be illuminated until 10 o'clock nightly during April, May, September and October, and for an additional hour (until 11 p.m.) during June, July and August.

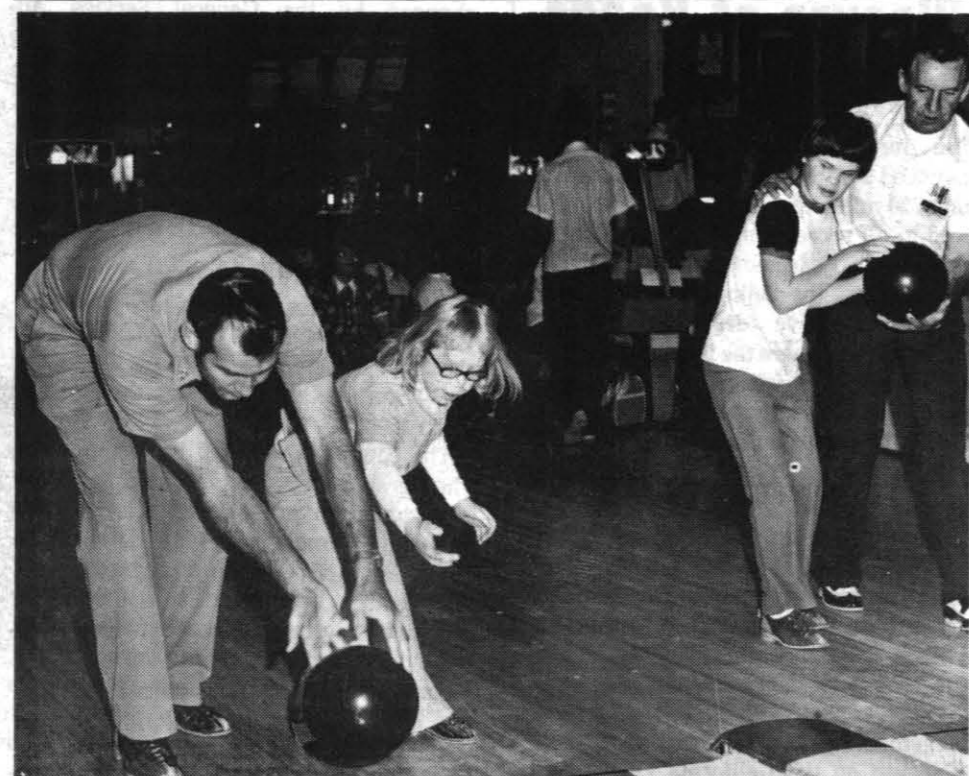
Even though use of the tennis courts by both college and high school students has only a few more weeks to go, the courts have been reserved on weekdays from 7:30 to 11 a.m. by the China Lake Elementary School District for the coming summer program, which will run from June 24 to July 25.

Military Softballers Needed

The fast pitch team representing the military stationed at NWC began working out recently. The roster is still open and a few more players are needed.

Persons interested in playing for the all-military team should contact Jim Brown, NWC Ext. 5475. Brown, who will manage the squad, intends to enter the team in military and civilian invitational tournaments throughout the softball season, as well as compete in the China Lake Intramural Fast Pitch League.

**Plan on Fiddling
Around? Check With
Youth Center About
Contest Set April 29**



BOWLING INSTRUCTION GIVEN — The recent addition of another group of special education class youngsters to the Monday morning bowling sessions at Hall Memorial Lanes brought out SHCS J. E. Murphy (at left), resident Assistant Officer-in-Charge of the Commissary Store, and Ray Freascher, a warehouseman receiver at the Commissary, to volunteer their help as instructors. Shown paying close attention to the instructors are Gwen Cadle (on left) and Rachel James, foster children of Mr. and Mrs. Al Martin of Ridgecrest.

**Employee Prepares Bust in Clay
Of Famed Scientist Michelson**

A China Lake resident, Frank Varga, has created a bust in clay of Dr. Albert A. Michelson, a U.S. Naval Academy graduate and the first American scientist to win a Nobel prize.

Anyone wishing to make a gift for this purpose can bring a check to the museum or send it by mail to Maturango Museum, PO Box 5514, China Lake.

Superior Court...

(Continued from Page 1)

Varga, an NWC employee for the past three years, works as a machinist in the Shop Branch of the Engineering Department's Mechanical Division.

He was determined to learn as much as possible about Michelson Laboratory, where he works, and during his research he became interested in the man for whom the laboratory is named.

After obtaining photographs and information about Dr. Michelson, Varga started to work on a likeness in clay of the great scientist. As the work progressed, it became a living, driving force to the NWC machinist.

"I know Dr. Michelson as surely as if we had been friends; I can feel him taking form in my hands," Varga stated.

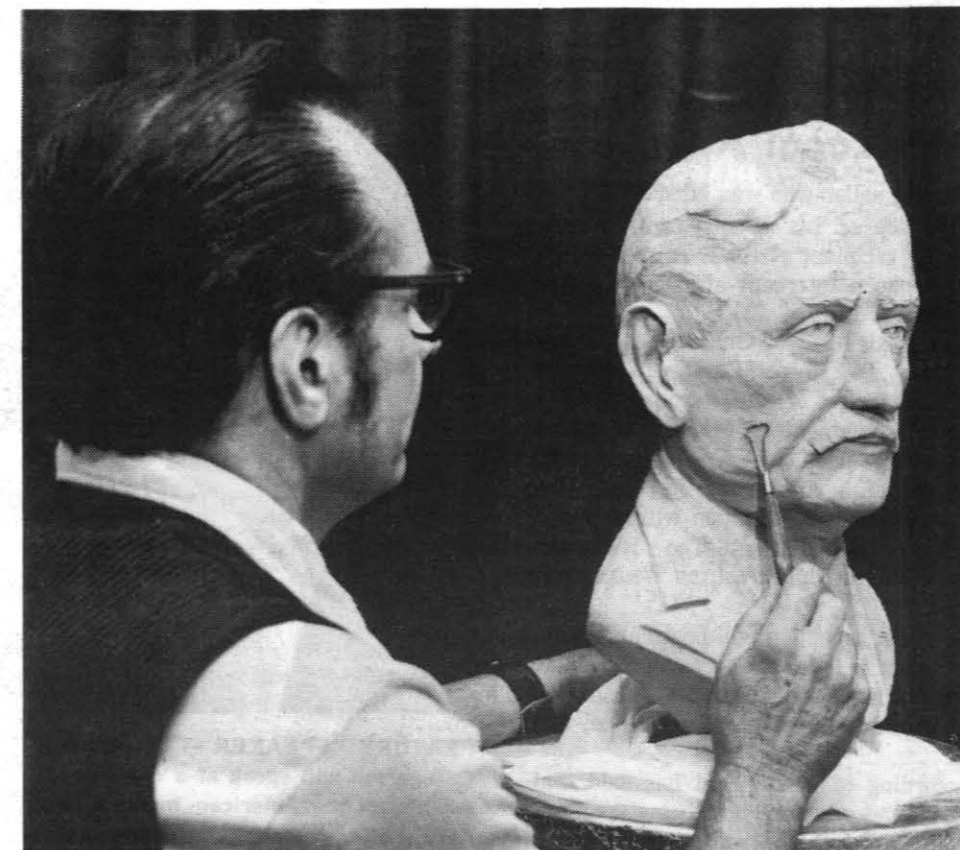
The result is a handsome, larger than life-size bust that is soon to be cast in bronze and then displayed in the lobby of Michelson Laboratory. The artist has generously donated his work, and the Maturango Museum is accepting contributions to cover the cost of the casting (approximately \$350).

its efforts on obtaining the support of the Superior Court judges since it was his belief that without the backing of the judges the Board of Supervisors could not seriously consider the matter.

Timing is another important factor, Supervisor Jackson noted, since it may be necessary to modify or enlarge upon the new county building that is under construction in Ridgecrest in order to enable it to accommodate Superior Court sessions.

It has been noted that a number of citizens have expressed an erroneous belief that the establishment of the Superior Court in Ridgecrest would do away with the Justice Court and Judge G. E. Thompson. The truth is that the establishment of the Superior Court in Ridgecrest would NOT eliminate the Justice Court nor take over its functions.

If anything, it would be beneficial to the Justice Court and Judge Thompson to have a branch of the Superior Court in Ridgecrest.



SCULPTOR DONATES WORK — A larger than life-size bust of Dr. Albert A. Michelson, the Nobel prize-winning scientist for whom Michelson Laboratory was named, has been done in clay by Frank Varga, and donated to the Naval Weapons Center. The Maturango Museum is now accepting donations to cover the cost of casting in bronze this work of art by Varga, which is destined for display in the laboratory lobby. —Photo by PHAN Joe Dunn

NWC Optics Shop, After 25 Years, Better Than Ever...

(Continued from Page 1)

overlook in infrared systems. Rough optical surfaces also absorb energy, which is particularly important in high energy lasers."

Other Materials Used

The Optics Shop also works on what Dr. Bennett characterized as "exotic optical materials." He explained, "Ordinarily, we think of optical material as glass, but we are now making optics out of materials as diverse as plain old table salt, various other chemical compounds such as silicon, germanium, arsenic trisulfide and potassium chloride, and metals ranging from stainless steel and molybdenum to copper."

These materials are useful in the infrared and ultraviolet, where ordinary optical materials don't transmit. "These optical materials are of importance to the Center because so much work is being done here in infrared technology," Dr. Bennett said.

Smoothest Surfaces Yet

"Of particular interest are the results we've been getting with potassium chloride. This is one of the two primary candidates for high energy carbon dioxide laser windows. The potassium chloride surfaces we have polished are the smoothest yet achieved. They are between four and eight times as smooth as one can normally get with purchased potassium chloride and have optical figures as good as one-eighth wave in the visible region, 4 to 16 times better than commercially available potassium chloride."

This success is achieved with a triacetin polishing procedure, developed by Joe Shaffer, other members of the Physical Optics Branch, and Dr. Eugene Martin of the Organic Chemistry Branch in the Chemistry Division of the Research Department.

Unusual optical parts are another specialty of the NWC Optics Shop. The shop has made four-inch radius of curvature Coblenz spheres for \$2,500 each. When the employee requiring the spheres attempted to get outside bids on them, he received only one bid — for \$20,000.

National Reputation

"We are not a production shop," Shaffer emphasized. "What we can do is compete favorably on both ends of the spectrum. We have a national reputation for supersmooth optics and we can compete with the best of the other optics shops on very complex and precise pieces of optical equipment. Or we can turn out extremely simple and inexpensive pieces more quickly and at lower cost than outside purchases."

"In the middle of the spectrum, where mass-production techniques tend to lower cost, and where there are no serious time pressures on procurement, we can tell people where they can go to get the best equipment for the least amount of money."

Recent acquisition of approximately \$50,000 worth of surplus optical equipment from Mare Island Naval Shipyard has dramatically increased the capabilities of the Optics Shop. Two new curve generator machines allow Shaffer and Bevis to work on optical pieces up to 24 in. in diameter. This increase over the previous 8-in. maximum size means lenses can now be manufactured that are almost an order of magnitude greater in light-gathering power.

More Light Gathering Power

"Going up by a factor of three in diameter increases the area, and thus the light-gathering power, by a factor of nine," Dr. Bennett explained.

Among other machines added to the optics Shop is a converted Blanchard grinder, a surface grinder made for metal parts in a machine shop and converted for optical grinding with the addition of a diamond wheel. Another machine, a precision automatic edger with a removable spindle, allows optical centering of lenses by mechanical, optical or other means before they are put in the machine. "This means we can center the lenses much more accurately than we could before we got the machine," Shaffer said.

Increased Work Possible

Eight new polishing spindles now bring the total number of spindles available in the Optics Shop to four grinders and 12 polishing spindles. "The way you rate the size of an optics shop is by the number of spindles it has," Dr. Bennett said. "With the addition of these new spindles, we can now handle three times as much work as we could before."

A new set of spherometers for measuring curvatures of mirrors adds versatility. "This new portable set is not as accurate as the one we already had, but it's a lot handier — so we appreciate having both," Shaffer said.

Another device available in the Optics Shop for precision checking of optical surfaces uses a monochromatic light to illuminate fringes on the adjoining surfaces of optical blanks. This equipment measures surface flatness deviations of a millionth of an inch per radial inch. Since it utilizes only the wavelength of light, the device is self-checking and extremely accurate.

"What has been done for 25 years and

what we want to continue to do is serve the Center by making any optical parts that anyone wants," Shaffer said. "Now that we have additional equipment, we can handle more work. We can also be extremely valuable on a consulting basis to help people in the planning stages. We can give them ideas about what sorts of optical components are feasible and how much they are going to cost."

See Optics Shop First

With a plea to NWC engineers to "come and talk about your optics problems before you go out on bid," Shaffer recalled a recent incident where the Optics Shop consulting services led to a significant savings in the cost of a component mirror. Practical optical engineering simplified the shape of the mirror and reduced fabrication cost from \$500 to \$34.

Other equipment available at the Optics Shop allows Shaffer and Bevis to check specifications for optical equipment manufactured elsewhere. Acting as a receiving inspection function, the Optics Shop recently checked one engineer's off-

axis parabolas after he received them from the contractor. "Of six precision off-axis parabolas, we found that two were not up to specifications," Shaffer said. "If the engineer had assumed these parabolas were good and used them, he probably would have thought there was something wrong with his idea. Our inspection probably saved his program a lot of time, money and frustration."

Shaffer added that inspection and consultation are two areas where personnel of the Optics Shop feel they can provide valuable services, not fully utilized at present. "Practical engineering and checking optics after they have been fabricated are two areas where we can provide quite a bit of value for very little money," he said. "We hope to make these services better known so more people will use them."



IN APPRECIATION—A plaque in recognition of his outstanding service as a Naval Weapons Center representative on three different committees covering a period of 16 years was presented this week to Dr. W. R. Haseltine (at right) by Leroy Riggs, NWC's Acting Technical Director. Dr. Haseltine, a senior research scientist in the Research Department's Mathematics Division, was recognized for his work as a member of the Bureau of Ordnance Committee on Aeroballistics, the Bureau of Weapons Advisory Committee on Aeroballistics, and the Navy Aeroballistics Advisory Committee. —Photo by PHAN S. K. Reed



STUDENTS ATTENTIVE—Glenn Beerline, president of the Kern County Heart Association, holds the attention of members of a training class on recognizing the signs and symptoms of a heart attack as he demonstrates how to perform closed chest massage on a life-like dummy. Forty persons (full capacity) attended the class, while another 100 interested persons had to be advised they would have to wait until another one can be scheduled. Among those in attendance was Sandy Poulin, manager of the Ridgecrest Ambulance Service, who was re-certified as an instructor in cardiopulmonary resuscitation, and can therefore conduct such classes in the future, instead of having trained personnel come here from Bakersfield for this purpose. During last week's class, students viewed films and were told how to recognize the symptoms of a heart attack. They then had the chance to practice mouth-to-mouth resuscitation and closed chest massage on a dummy that was connected to lights which flashed on when the life-saving procedures were being performed correctly. The American Heart Association, Beerline noted, is taking over from the Red Cross as the single group responsible for providing information on cardiopulmonary resuscitation.

Guide Dogs for The Blind Will Benefit From Local Air Show

A young sailor who was blinded while in the service of his country will be the probable recipient of funds raised by the 1974 Inyokern Intercept air show held in January.

Russ Post, head of Guide Dogs for the Blind, Inc., San Rafael, Calif., will accept a check in excess of \$2,000 from the High Desert Detachment of the Marine Corps League to be used toward the training and purchase of a guide dog for the blind Navyman. The presentation will be made during a banquet at The Hideaway Restaurant, in Ridgecrest, on Wednesday, March 27.

A no-host reception will begin at 6 p.m., with dinner to follow at 7. Cost of the prime rib dinner is \$6.50 per person. Reservations may be made by calling Dick Zinke, 375-4007.

According to Zinke, Post has said that Vietnam veterans are now being screened and it looks like the sailor, who lives in Albuquerque, will reap the benefit of the local group's generosity.

Post will present a talk and show a film on the Guide Dogs for the Blind operation. In addition, a representative of the local Lions Club will speak on that club's efforts in prevention and detection of blindness in the local area.

Students Must Sign Up Before Mon. In Gourmet Cook Class

Enrollment, which must be made before Monday, is now being taken in a course on Oriental gourmet cooking, that will be taught on Tuesday evenings from 7 to 9 at the James Monroe School in Ridgecrest, beginning on April 2.

The course, which is being made available as a part of the University of California at Santa Barbara Extension Division program in this area, will be taught by Yasuko Meyers.

Subject matter will include the nature and methods of preparing oriental foods, as well as the history, geography, dietary habits and food preparations of various regions of the Far East.

Mrs. Meyers, who was born in Japan, has had wide experience in oriental cooking methods.

Enrollment is limited. Those interested in registering for the class should call Janice Karoll at 375-4211.



FEATURED SPEAKER — Dr. Alfred C. Ingersoll will speak at a combined meeting of the American Institute of Aeronautics and Astronautics, American Society of Civil Engineers and National Society of Professional Engineers tonight at The Hideaway Restaurant in Ridgecrest. The meeting will begin at 6:30 with a social hour. Dinner, to be ordered from the menu, commences at 7:30, and Dr. Ingersoll's talk on "Professional Renewal Through Continuing Education," will begin at 8:30. He is the associate dean for Continuing Education at UCLA's School of Engineering and Applied Science.

Housing Office Asks For 10-Day Moving Notice by Tenants

The NWC Housing Office asks that tenants who are planning to check out of a house on Center notify the office at least 10 days in advance.

They should make an appointment for the necessary check-out inspection at that time and obtain instructions from the Housing Office about the necessary items that must be done at check-out time.

Preparation for check-out inspection is begun on the day that quarters are occupied if the tenant will plan to perform yard and housework routinely, rather than intermittently.

For further information, call the Housing Office at NWC Ext. 2087.



RECEIVE PATENT AWARDS — Jack Russell (at right) head of the Electronic Systems Department, congratulates three of his employees after presenting them with patent awards at a recent Code 35 awards ceremony. They are (l.-r.): Robert P. Moore, head of the Microwave Systems Branch; Robert G. Corzine, head of the RF Development Division, and Fred C. Alpers, a Code 35 consultant. Moore's invention is entitled "Automatic Integrator Control for Radiometric Guidance." Corzine received a patent for "Phased Array of Six-Log Periodic Dipoles," and another patent for "Log Periodic Radial Arm-Coupled Loop Antenna." Alper's award was for a "Precision Transponder System."

Conservation of Gas Should Be Concern of All Motorists

Although the oil embargo has been lifted, and gasoline is not quite as scarce as it was, Americans should still learn how to conserve gasoline. Some service stations will continue to operate for shorter hours and in some localities, gasoline will still be in short supply.

The General Services Administration (GSA), responsible for operating over 60,000 government vehicles, has made a study of ways to conserve gasoline and has found that the following procedures will help to stretch mileage.

Reduce speed. The speed that gives greatest gas economy varies among makes and models of automobiles but usually occurs at around 50 miles per hour.

Drive smoothly with gentle starts and stops. Avoid sudden bursts of speed in fast getaways or jerky lane changes; plan ahead for red lights, stop signs and bogged-down traffic.

Accelerate slowly. Press the accelerator down only as far as is necessary to reach a normal speed; avoid putting an excessive amount of gasoline into the engine through rapid acceleration pressure. Build up to a higher speed before approaching hills and long grades.

Don't race the engine. Use the brake pedal rather than the accelerator to hold the vehicle in place on a slope.

Don't idle the engine for more than a minute. It takes less gasoline to restart a car than it does to idle it.

The GSA also offers the following hints for conserving gasoline through proper vehicle maintenance.

Use the proper grade of engine oil. If a lubricant is too thin, engine damage may occur; if the lubricant is too thick, more power is required and that means more gasoline is used.

Check tire pressures at least monthly. Underinflated tires put an extra drag on the engine, requiring it to use more gasoline.

Remove bugs and foreign matter from radiator. Overheating, occurring from a clogged-up radiator or air-conditioner, results in wasted gasoline usage.

Keep engine tuned. Specifications in owners' manuals are designed to assure maximum gasoline mileage.

In other suggestions offered for reducing gasoline use, the owner is urged to form carpools and consolidate trips; to buy slightly less than a full tank of gasoline to

prevent wasteful overflow; and whenever possible, to use the family's most gas-conserving car. Wind resistance will be reduced if unnecessary attachments are removed from the car, and gasoline consumption will also be reduced if unnecessary weight is eliminated from the car's contents.

Gas conservation will be affected if the air-conditioning system is seldom used. Use of this system means a loss of one or two miles per gallon of gasoline. However, the unit must not be disconnected or the seals will be damaged; and it must be run for a brief period at least once a week, year around, to keep it functioning properly.

The GSA also suggests that the automobile driver avoid peak traffic times whenever possible and use routes with a minimum number of traffic lights and stop signs.

Auction of Surplus Government Property Planned on April 2

An auction of surplus government property will be held at the Naval Weapons Center on Tuesday, April 2. Any member of the general public including military and civilian employees of NWC, are invited to bid.

The items will be on display for inspection beginning today from 8 a.m. to 3:30 p.m., and continuing during the same hours throughout next week at the Defense Property Disposal Facility.

Persons who wish to participate in the auction must be registered. Sign-ups will begin at 8 a.m. on the day of the sale, and the auction will start at 9 o'clock. Both registration and the sale will be conducted at the Community Center.

Among the 185 items to be offered will be Ampex recorders, slide projectors, calculators, electrical and electronic components, sedans, trucks and generator sets.

Items purchased may be removed on the sale date provided full payment is made. Individuals must be present in order to bid on any of the merchandise offered for sale.



SUPER SAFE — Capt. R. S. Moore (r.), Commanding Officer of the Naval Air Facility, congratulates Cdr. F. V. Pesenti and Cdr. R. C. Good (l.-r.) during Morning Quarters recently at NAF. The two men had just received Industrial Accident Prevention certificates from the NWC Safety Department. The awards were for 12 consecutive months of accident free work in their shops at NAF. Cdr. Good is the Aircraft Maintenance Officer, with more than 270 employees, and Cdr. Pesenti is NAF's Project Officer. Unable to be present for the photo was Cdr. G. B. Bailey, NAF Operations Officer, who also received a similar award on behalf of his group, which totals some 30 enlisted men. In addition, approximately 35 civilian contractor and Civil Service personnel figured in the awards.

Increase in Mileage Rates Approved For Travelers Using Private Autos

Increased mileage rates for use of privately-owned vehicles by civilian travelers on government duty have been approved, according to a recent SecNav note.

The new rates that have been approved are:
12 cents per mile for temporary duty travel by privately-owned automobile or airplane.
8 cents per mile for temporary duty travel

by privately-owned automobile or airplane.
8 cents per mile for temporary duty travel by privately-owned motorcycle.

8 cents per mile for permanent change of station travel, when employee only, or one member of family, occupies automobile.

10 cents per mile for permanent change of station travel when employee and one member, or two members of immediate family, occupy automobile.

12 cents per mile for permanent change of station travel when employee and two or more members, or three or more members of the immediate family occupy automobile.

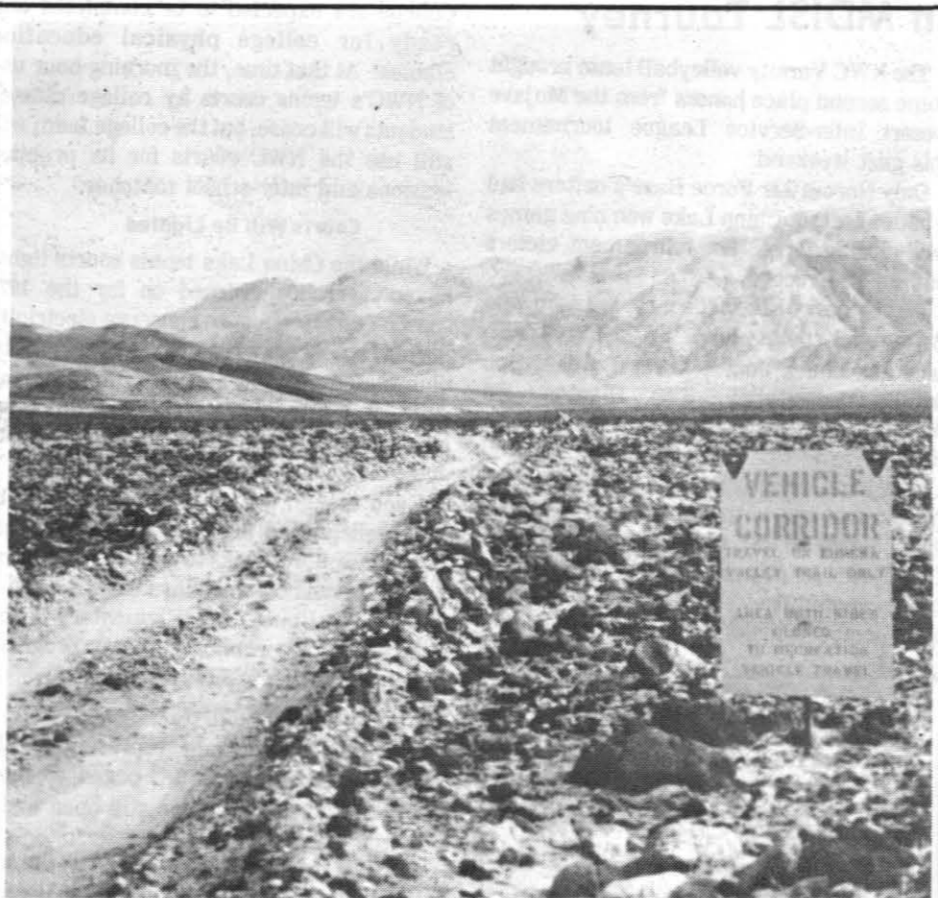
BLM Announces Closure of Roads In Saline Valley

The Bureau of Land Management has announced that the remote Saline Mountain Range, 20 miles east of Big Pine, has been closed to all recreational vehicle travel.

Because of its remoteness and relative inaccessibility, the Saline Range is one of the last primitive desert valley and mountain areas where the impact of modern man has not been felt to any appreciable degree. Only recently has man begun to damage the area's wilderness integrity.

The Bureau of Land Management has taken this step to insure the value of the area as an open-space natural area, a rich archeological area, a wildlife and plant preserve for research and other educational study purposes, and an escape to solitude for the hiker.

The vehicle closure went into effect last November, when the BLM's interim critical management program for recreational vehicle use on the California Desert was adopted. A vehicle corridor open to recreational travel passes through the area from Upper Warm Springs in Saline Valley to Eureka Valley. Foot travel is permitted throughout the area.



EUREKA VALLEY TRAIL — This vehicle corridor, passing through the area from Upper Warm Springs in Saline Valley to Eureka Valley, is the only portion of this area now open to vehicle travel. One of the last primitive mountainous desert areas left in the state, the Saline Mountain Range is now being protected with a Bureau of Land Management vehicle closure.

Signups Being Taken For Clerical Seminar

Nominations for enrollment are now being accepted for a basic NWC clerical seminar that is to be held from 7:30 to 11:30 a.m. at the Training Center, during the week of April 15-19.

The course, which will be presented by various support department staff members, is designed to provide new clerical and secretarial employees with detailed instruction on NWC office procedures.

Subjects to be covered include the Navy directives system, forms management, records disposal, supply procedures, security regulations, disbursing procedures and timekeeping.

Preference in enrollment will be given to employees with less than a year's experience at the Center.

Those interested in attending should submit a completed copy of NWC Enrollment Form 12410/28 via proper department channels in time to reach Code 654 no later than Friday, April 5.

Keep Your Distance, Safety Dept. Warns Center's Motorists

Marie Dressler said to Wallace Beery, in the film, "Min and Bill, 'Keep your distance, buddy.' Beery didn't and wound up married to her in the film, which might be construed by some as a disaster.

Since Jan. 1, nine drivers on the Center haven't followed that sage advice, and they have been involved in rear-end accidents. In eight of those cases, the driver was following another car so closely that the driver was unable to stop in time to avoid hitting the car ahead. The ninth accident involved a bicycle that was rear-ended because the driver of the vehicle had cleaned the frost off of his windshield in just one spot and didn't see the bicycle rider until it was too late.

The eight accidents with a common cause suggests the need for a review of safe following distances for various speeds of traffic. The figures given are based on the average driver's ability to respond to a problem in approximately three-fourths of a second in the average car on dry pavement. At 10 mph, approximately 19 ft. is needed to come to a stop. A driver needs 45 ft. to stop at 20 mph, and at 25 mph the distance needed is 60 ft. Distances go up drastically as the speed rises. At 35 mph, 100 ft. of dry pavement is used up, and it takes an auto 155 ft. to stop at 45 mph.

Rain, frost, sand, gravel or snow may increase the distance needed to bring a vehicle to a stop as much as 10 times.

So heed Marie Dressler's advice—keep your distance. Otherwise, like Wallace Beery, you could be in a lot of trouble.

Franchise Tax Board Representatives Due Here Next Week

Local residents who may have run into problems in preparing their California income tax reports for 1973 can look forward to receiving some help shortly from experts on such matters.

A representative of the State Franchise Tax Board will be in the Ridgecrest - China Lake area on Tuesday and Wednesday, March 26-27.

The state tax man will be available in the afternoon on Tuesday, March 26, at the regional office of Assemblman Ray Gonzales, 239 W. Ridgecrest Blvd. For the convenience of China Lake residents, the same official will be at the Community Center on Wednesday, March 27, from 8 a.m. to 4 p.m.



ACTIVE DUTY CHIEFS WITH THEIR SKIPPERS — Active duty Chief Petty Officers pose with Rear Admiral Paul E. Pugh, NWC Commander (front row, center), Capt. R. S. Moore, Commanding Officer of NAF (fourth from left), and Capt. E. M. Crow, Commanding Officer of VX-5 (fifth from right), during the CPO Annual Military Ball, held March 15 at the CPO Club. RADM. Pugh, who spoke briefly, stated that the CPOs are the backbone of the Navy, which brought an enthusiastic cheer from the audience. Among the approximately 300 persons in attendance was George Schneider, who was recognized as the oldest Navy man present.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Command Administration Department. Incident review requests from the departments on the Office of telephone changes and recommends the systems which will provide the best service; reviews Center long distance charge bills. Collects and compiles data for various reports used locally and reports submitted to the 11th Naval District and other Naval Commands. Maintains records of contacts, disconnects and changes. Answers trouble calls and forwards to Public Works Department for action; operates a PABX (Private Automatic Branch Exchange Switchboard), miscellaneous duties as required. Job Relevant Criteria: Ability to communicate effectively (verbally and in writing); Knowledge of telephone terminology, equipment and procedures. Ability to operate a PABX switchboard; ability to work independently and ability to type (this position does not require the proficiency of a fully qualified typist). Minimum Qualification Requirements: As per CSC Handbook X-118. Clerk (Typing), GS-301-S, PD No. 7446009, Code 6009 — This position is located in the office of the Education Director — Consultant, Research Department. Incident reviews students on the NWC Fellowship Program and USC Graduate Study Program. This includes the mechanics of applying for fellowships as well as setting up the ECOS meetings. Incident types and distributes minutes of the ECOS meetings and keeps files on all the people in the fellowship program. Incident reserves meeting rooms and schedules all student meetings as required. With respect to Evaluation of Industry IR & D brochures, incident sends out the indicated projects along with the proper forms and the deadline date for return; also monitors, returns and sends reminders. Incident prepares forwarding letters and keeps the files. With respect to the Security Review Panel, incident receives, logs in and out all papers, films, etc., and prepares a summary of material cleared and submits to MAAT 03. In the absence of the supervisor, the incumbent has complete responsibility for the operation of the office. Minimum Qualification Requirements: As per CSC Handbook X-118. Job Relevant Criteria: Ability to deal effectively with people, ability to type, ability to work independently, ability to communicate effectively both orally and in writing, knowledge of Center's organization, functions, and programs, and ability to maintain files and records.

File applications for the above with Tina Lowe, Ph. 2723, Bldg. 34, Rm. 206.
Personnel Assistant, GS-203-7, PD No. 7465009SDI, Code 657 — Position is located in Code 657 and has combined

responsibility for (1) providing administrative and clerical assistance for all NWC employees who have been injured on the job and/or are processing claims with the Office of Federal Employees Compensation, and (2) providing the full range of personnel clerical and technical support for an organizational segment of the Naval Weapons Center. The incumbent will have program responsibility for OFEC, the Personnel Department. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of procedures and regulations relating to the processing of OFEC claims; demonstrated ability to provide the full range of personnel clerical and technical support work; ability to work effectively with employees and managers throughout the Center on OFEC related matters.

Air Test Operations Specialist, GS-301-9 or 10, PD No. 7435026, Code 3551 — This position is located in the Program Management Office, Code 3551, Countermeasures Division, Electronic Systems Department, and is physically located at the Electronic Warfare Threat Environment Simulation (EWTES) facility in the Randburg Wash Test area. The incumbent will serve as the test conductor for airborne flight tests of electronic warfare equipment. His duties and responsibilities include the ability to make real-time decisions concerning flight operations; systems use and performance, both airborne and at ground level; assist in the development of test plans; preliminary test data analysis; and the ability to control aircraft safety and efficiency in a variety of situations. A detailed knowledge of the procedures and objectives of a flight test, and how it interrelates with the overall program, is necessary. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of aircraft operating characteristics and radar displays. Knowledge of range capabilities, interfaces, and airborne equipment. Ability to act decisively under pressure. Prior experience as an air operations specialist or air controller at a facility comparable to the EWTES is desirable.

Electronics Engineer, GS-855-9/11 or 12, PD No. 7435002, Code 3556 — This position is located in the Surface Threat Development Branch, Countermeasures Division, Electronic Systems Department. Major responsibilities of the branch are providing engineering and technician support to the development of fully operating radar systems. The incumbent of this position will design hybrid analog and digital display and auto-track circuits. He will design interface circuits between these radar systems and a PDP-11 40 mini-computer. Provides supervision over lower level technicians and circuit designers. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent of this position must be experienced in circuit designing and mini-computer or closely related areas. He must be able to express himself well, both orally and written.

Electronics Technician, GS-856-9/10 or 11, PD No. 7435003, Code 3556 — This position is located in the Surface Threat Development Branch, Countermeasures Division, Electronic Systems Department. The major responsibilities of the branch are providing engineering and technician support to the development of fully operating radar systems. Incumbent of this position designs circuits, assemblies and tests breadboards. Provides advice on components, cables, etc. and generally assists design engineers in evolving and item hardware. He interfaces with project engineers and contractor personnel on the design and production of circuit layouts, printed circuit boards and assemblies. He provides current documentation on schematics and wiring lists for radar systems being designed. He assists with the assembly and checkout of radar systems and sub-systems. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must have recent experience in assembling and checking out components, circuits, and systems associated with operative threat radars. He must also be able to work with contractor personnel supporting branch programs.

Electronics Engineer or General Engineer, GS-11 or 12, PD No. 7435027, Code 3515 — This position is located in the Systems Effectiveness Branch, Systems Sciences Division of the Electronics Systems Department. The function of the Systems Effectiveness Branch is to provide reliability, maintainability and quality assurance support to programs within the department. The incumbent's general assignment is preparation and implementation of programs for complex electronic systems with particular emphasis on anti-radiation weapons. The spectrum of duties entailed by this assignment ranges from initial program plan development, performance of elemental tasks such as reliability/maintainability allocation and prediction, circuit component stress analysis, failure mode and effect analysis, electronic component specification selection, qualification, failure analysis, corrective action determination, planning and

implementation of reliability maintainability demonstration programs, to coordinating program elements among cognizant NWC organizational units, other governmental activities and industrial contractors. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of reliability and maintainability engineering disciplines, with emphasis on analysis activities associated with electronic hardware, systems design, test and evaluation. Ability to work effectively with other activities and industrial contractors. Knowledge of complex anti-radiation weapons systems.

Administrative Assistant, GS-301-S or 7, PD No. 7435028, Code 3524 — This position is located in the Systems Design Branch of the RF Development Division, Electronic Systems Department. The incumbent of this position will assist the Branch Head/Project Engineers in the areas of configuration management, project financial management, and provide coordination between Center personnel, contractors, and other federal activities. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to work with numerical data. Effectiveness in establishing and maintaining good working relationships with operating officials and representatives of other organizations. Ability to exercise sound judgement in resolving work related problems. A bachelor's degree in an appropriate field or equivalent is desired.

Aerospace Engineer, Electronics Engineer or Physicist, GS-9/11 or 12, PD No. 7435025, Code 3503 — This position is located in the Surface Threat Development area of the Countermeasures Division, Electronic Systems Department, and involves the investigation and simulation of foreign threat tactical missiles, and associated radars. The incumbent will serve as the program coordinator for missile simulation under the direction of the associate head for Surface Threat Development. Duties will include technical liaison with intelligence communities; systems analysis for the purpose of deriving system specifications and performance characteristics; implementation of systems into real time computer software, and the generation of user documentation. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must have a broad understanding of tactical missile systems, including radar systems. Ability to perform in-depth analysis in specific areas. Knowledge of system engineering in making system trade-offs. Ability to deal effectively with others. Advancement Potential: GS-12

File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, Ph. 2577.

Promotional Exam
The Naval Weapons Center announces a competitive promotional examination for Painter, Foreman, WS-4192-09. This position is the first full supervisory level in the Maintenance Utilities Division, Building Trades Branch, Paint Section, Public Works Department. Qualifying trades are: Painter, Painter (Coach), and Letterer & Grainer. Applicants should file SF-172 and Supplemental Wage Grade Supervisory Information Sheet with the Special Examiner, Code 852, to be received or postmarked not later than 1 April 1974. Forms may be obtained in the Personnel Bldg., Rm. 100.

Snowden LaFon To Speak at Meeting Of STC Members

Next Thursday, March 28, members of local chapter of the Society for Technical Communication will meet in the Technical Library to hear Snowden LaFon, head of TID's Technical Library Division, speak on the impact of technology on the role of the technical library as a technical communications tool.

LaFon feels that the day is coming soon when it will be feasible for small groups (such as branches) to have their own information storage and retrieval devices. When this happens, the role of the technical library will change drastically.

Scheduled for 7:30 p.m., the meeting is also open to interested persons who are not STC members.

Beneficiary Info Should Be Updated By NWC Employees

A reminder of the need for Civil Service employees to ascertain that such information as the designation of their beneficiary and life and health insurance coverage be kept up to date was issued recently by Raymond A. Harrison, head of the NWC Personnel Department.

Changes in family status, such as marriage, divorce, deaths and births may require a change in an employee's beneficiary designations, it was noted in the memo sent out by Harrison.

Each employee's official personnel folder contains information about the designation of beneficiary for both the Federal Employees Group Life Insurance Program and for unpaid compensation of a deceased employee. These forms may be reviewed by employees at any time at the Personnel Department Records Center, Rm. 109 in Bldg. 34, to see if changes are necessary.

In addition to the foregoing, NWC employees are advised by Harrison to keep up to date the form on which they are asked to list up to as many as three persons to be notified in the event of an emergency involving the employee.

Records pertaining to the designation of beneficiary under the Civil Service Retirement System are maintained by the U.S. Civil Service Commission. A change of beneficiary may be made at any time by completing a new SF-2808.

Dumpsters Not Safe Place for Children To Hide From World

Children are fond of climbing into dark places and hiding out from the rest of the world. Tree houses, caves, pits, trenches, all become part of their own private world, a secret spot where they might sit and contemplate the mysteries of life.

However, a dumpster should not be included in the list of places where a child can go into hiding. Recently, the NWC Safety Department has received complaints from dumpster truck operators of children playing in the huge trash receptacles.

One operator reported chasing kids out of a dumpster twice in order to empty it. Each truck has a compactor to smash the refuse when a dumpster is emptied. If a child were accidentally spilled into the truck, serious injury, even death, could result.

Residents are asked to insure that their children know how dangerous this practice could be, and to caution their children against climbing into the dumpsters. If a child must enter one to retrieve an item, another child should be stationed outside to warn truck operators.

A child's private world is sacred, but so is his life.

Club for Modelers To Meet at Park Bldg. in Ridgecrest

Some of the problems encountered by a recently-formed club for aircraft, car and boat modelers will be discussed at a meeting that is scheduled tonight, starting at 7:30, in the recreation building at Ridgecrest park.

The growing hobby of flying radio-controlled model aircraft has led to such problems for hobbyists who enjoy this avocation as getting on each other's frequencies, and there also is a need to agree on a flying site, safety and noise control, according to Wayne Stowe, president of the model-builders club.

The name, Valley Vultures, was proposed for the new club, and, a constitution and by-laws that were drawn up at earlier meetings, will be discussed tonight. Other officers, in addition to Stowe, are Mike Murphy, vice-president, and Pete Hammond, secretary-treasurer.



MANY CHANGES MADE — The Woodworking and Electronic Hobby Shop complex has undergone many changes recently. Chief among these is a larger display area (shown above), a larger line of supplies and materials in stock, and the combining of work areas and supplies. The men behind

the counter are responsible for the complex. They are (l. r.): Mike Kinne, manager; Ray Schultz, who heads up all of the Center's hobby shops as well as the Center theater, and Ben Angle, who is in charge of the electronics section. The Shop's work areas will be enlarged at a later date.

New Model Lines for Hobbyists, More Space Is Now Available at Hobby Shop

Model builders, TV repair hobbyists, furniture makers, radio-controlled airplane aficionados and others of their ilk will be pleased to know that the Woodworking and Electronic Hobby Shop complex has been recently renovated.

Mike Kinne, who is the manager of the two shops, reported that more counter and display space has been added. "We finally got all our models and supplies out of that small room and into the open space in front," he said.

The line of goods being carried has been expanded and planning is currently under way to add even fur-

ther to the supplies. In addition, Kinne explained that special ordering catalogs are available wherein anything needed by hobbyists can be ordered.

Varied Items Sold

On display and for sale at the hobby shop complex are a variety of model kits, plastics, balsa aircraft kits for radio-controlled model aircraft, tools, accessories and building supplies.

Model railroad fans will find layouts and other accessories available, and electronic hobbyists can find such things as color TV and FM antennas, lead-in wires, jacks, testers, tubes and

other electronic apparatus on sale.

Work Areas Enlarged
In addition, the Woodworking Hobby Shop contains such tools as band saws, table saws, drill presses, planers, routers and all power tools necessary for the construction of wood craft items, or the repair of those items.

The Electronic Hobby Shop work area has benches and equipment necessary for the repair or building of TVs, radios, stereos, etc. And all this is available to employees of the Naval Weapons Center for a fee of 25 cents per day, or \$3 per year on a membership basis.

Training Course For Help Line Volunteers To Begin Wednesday

A training course for persons interested in serving as volunteer workers with Help Line will be offered at the Cerro Coso Community College starting next Wednesday, March 27, at 7 p.m.

Classes will meet each Wednesday through May 29. Those who complete the course will receive one unit of college credit and are eligible to lend a hand with Help Line's crisis intervention and information telephone service.

Prospective students are asked to pre-register at the college. Further information can be obtained by calling 375-1548.

Charity Bridge Party Scheduled March 27

The Children's Home Society Roadrunner Auxiliary will sponsor a "Kards for Kids" charity bridge party on Wednesday, March 27, at 12:30 p.m., in the Community Center. Donations are \$1.50 and dessert will be served.

For further information or tickets phone any of the following persons: Lill Fojt, at 446-4919; Ruth Peacock, at 377-4244, or Bernice Schaffer, at 446-2665.



HAS THE "CAN DO" SPIRIT — Dionne Leslie (c.), secretary for Codes 7081, 7082, 7083 and 7084 of the Public Works Department's Maintenance Control Division, recently became the third recipient of the division's "Can Do" award. Joel Halop, division head (r.), made the presentation. Mrs. Leslie has been an employee of the division since August 1973. The award is given to employees of the Public Works Department who display a willing attitude toward the work, devise new methods of rooting out problems and solving them, and who are not victims of the theory, "That's the way it's always been done around here." Bob Forbes (l.), head of the Work Input Control Branch, also was present for the ceremony.



SIGNS ON FOR FOUR MORE YEARS — PN2 Averilo R. Lingad (l.) recently re-enlisted for four more years in the U.S. Navy. A seven year veteran, PN2 Lingad is the VX-5 Personnel Office supervisor. He is shown with his wife, Feliza, their son Arnel, and Lt. Tom Scheber, VX-5 Personnel Officer. Lingad joined VX-5 in July 1973.

Sea Cadets, Girl Scouts Practice Cold Weather Survival

Seventeen members of the VX-5 Sea Cadets and 14 girls from Girl Scout Troop 170, journeyed recently to Camp Yenish Hante, in the Greenhorn Mts., to participate in an annual co-educational cold weather survival training outing.

Lt. Dick Schultz, Commander of the Sea Cadets, and Charlene Spencer, leader of the Girl Scouts, invited T/Sgt. Dave Eckelberg, a cold weather survival instructor from Edwards Air Force Base, four members of the China Lake Mountain Rescue Group, and HM2 Norman Fertig, a first aid instructor at NWC, to give lectures and demonstrations to the youngsters.

The four mountaineers - Frank Buffum, Bob Westbrook, Elizabeth Anderson and Don Peterson, spoke on different types of snow transportation, the use of skis and snow shoes, backpacking preparation and the kinds of equipment needed for traveling through snow-covered areas.

In addition, the youths practiced building camp and signal fires, and the construction of different types of shelters.

Different Types of Housing

Sgt. Eckelberg talked to them about different types of housing that could be made from their natural surroundings and how to keep warm in cold weather. He also told about the kinds of wild foodstuffs that are available and could be digested. HM2 Fertig gave first-aid demonstrations and presented a lecture that crackled it was so sharp.

Accompanying the Cadets were Ltjg. Henry Serna, the group's training officer, and Lt. Rick Nielsen, the liaison officer. Harold Angle, a parent of one of the cadets, also went along on the outing.

Following the survival training, the youths were free to engage in snowball fights, take photographs and have fun with snow sports. A home-cooked meal, prepared by the Girl Scouts, was served to all.



T/SGT DAVE ECKELBERG, who heads up the survival training program at Edwards AFB, was on hand to instruct the Cadets and Girl Scouts in the fine art of cold weather survival. His talk included the tying of different types of rope lifts and how to keep warm in shelters.



BUILDING A SNOW SHELTER - The youths were instructed in the building of snow shelters, such as tents, as shown above. They were taught how to utilize the natural environment to ward off snow and wind and how to keep the structures warm. In the photo above are (l.-r.): John De Rosa, Ralph Morgan, Barbara Keene, Mary Sippel and Cindy Hart.



GATHERING WOOD FOR A FIRE, drying it and then keeping a fire going was one of the exercises engaged in by the Sea Cadets and Girl Scouts during the weekend outing. Above, John Clark and John Mertz (l.-r.), learn an art that was developed during the time of the caveman, millions of years ago.

Photos by **Becky McBride**

'Cycle Statistics Worsen as Weather Begins to Warm Up

Flowers aren't the only things that bloom in the spring. Motorcyclists blossom from every nook and cranny once the weather warms up. And with the increase in the use of motorcycles, there is an increased possibility of an accident.

In the United States in 1972 there was a decrease in the number of motorcycle fatalities per hundred million miles ridden as compared to previous years. However, 17.5 persons die every hundred million miles of travel on a motorcycle, compared to only 4.5 deaths over the same distance in autos.

In an effort to combat these statistics, the months of March and April have been designated Motorcycle Safety Months in the state of California.

Riding Classes Set

Those who want to know more about how a motorcyclist can protect himself can take a course given by experienced riders. A class for anyone in the community is held once a month by volunteers from the Sandblasters Motorcycle Club and the Gypsy Wheels Club, along with a member of the Safety Department.

In addition, a military motorcycle safety class is taught at the present time by Aq1 Donald E. Froelich, of Air Test and Evaluation Squadron Five (VX-5).

Both classes include maintenance tips, defensive riding lectures and a skill course to check individual ability or to allow the student to gain in expertise from practice. Both classes stress how to avoid the common kinds of accidents that many new motorcycle riders experience.

The most recent military class was held last Tuesday. Interested persons are asked to call NWC Ext. 2367 to learn when the next community class will be conducted.



ENJOYING A LECTURE - Sea Cadets and Girl Scouts listen to a lecture by one of the four members of the China Lake Mountain Rescue Group who addressed them. HM2 Norman Fertig (2nd from left, seated), awaits his turn to present a talk on first aid. The co-ed group was given talks, demonstrations and tips on cold weather survival by a team of experts that included an Air Force sergeant and members of their own hierarchy. According to Lt. Dick Schultz, Commander of the VX-5 Sea Cadets, the members of the two youth groups had a good time and picked up plenty of useful information. Shown in the photo are (l.-r.): John Phillips, Barbara Keene, Fertig, Tim Swann, Mary Sippel, Cindy Karl and John Mertz.

Eight Persons Elected by Mail To Serve Terms on DCC Board

The results of a mail ballot to elect new members were announced at the regular monthly meeting of the Desert Counseling Center's board of directors last week. The meeting was held in the office of the China Lake Elementary School District superintendent at Murray School.

Those elected were Mary Eisel, Janet Funk, Al Hard, Dorothy Peet, Bob Rafal, Shari Rosenberg, Mickey Strang, and Marjorie Vargas.

In addition, the new officers for the 1974-75 year were chosen by the board following the results of the election. President for the coming year is Fred Essig, Paul J. Riley is the president/elect, and Dr. C. D. Lind will be the secretary. Mrs. Vargas is the treasurer.

The new officers will be installed at the DCC's annual dinner meeting on April 18. The meeting, which is open to the community, will be held at the Commissioned Officers' Mess. Reservations must be made by calling the Counseling Center, 446-5586.

DCC Additions...

(Continued from Page 2)

Bruce Powers, who will work out of the China Lake office. He received his bachelor's degree in psychology from the California Lutheran College in Thousand Oaks, and his master's degree in psychology and Ph.D. in clinical psychology from the University of Oregon at Portland.

Dr. Powers' pre-doctoral internship was served at the Department of Psychiatry, University of Alabama Medical Center, Birmingham. He also has served on the staff of the Alcoholism Treatment and Training Center, in Portland, doing group work and individual therapy.

He will reside at China Lake with his wife, Colleen, and two-year-old son, Benjamin.

LaMont Lee

LaMont Lee has the distinction of being the first intern at the Desert Counseling Center. He comes to Ridgecrest by way of Idaho, Seattle-Pacific College, and the Fuller Theological Seminary in Pasadena. Lee has been conducting a series of four seminars on "The Management and Discipline of Children in the Classroom." He explains, "children learn to misbehave - rarely are they born maladjusted."

Lee's main interests are in the areas of individual, family and group psychotherapy. He will soon earn his Ph.D. in clinical psychology from the Fuller Seminary.

Cost of the dinner is \$6.75 per person. The speaker for the evening will be Dr. Thomas Greening, an expert on humanistic psychology, who will be in the area to present a lecture to Cerro Coso Community College that same night.

Mrs. Eisel is a teacher at China Lake. She is active on the Human Relations Committee of D. A. T. A. (Desert Area Teacher's Assn.), and a member of the Salvation Army board of directors. Mrs. Funk, a former teacher, is presently a member of the Indian Wells Valley Union School District's curriculum committee. She also is very active in PTA.

Hard works for the NWC Personnel Department and has acted as a consultant with many organizations on the Center in an effort aimed at getting large groups of people to work more effectively together.

Mrs. Peet, a graduate of San Diego State University with a B. A. and M. A. in counseling and psychology, is head of the peer-counseling program at Cerro Coso College.

Another member of the college staff is Bob Rafal, Dean of Outreach. He has taught at the U. S. Air Force Academy in Colorado Springs, and is also the president of the local Hebrew Congregation.

Mrs. Rosenberg is a social science and language teacher at Burroughs High School. She is also a member of the curriculum and instruction committee of D. A. T. A., and the instruction evaluator for Burroughs.

Mrs. Strang is one of the founding members of Helpline, and has worked for the local branch of the American Red Cross for many years. She is also a member of the IWV Community Safety Council.

Mrs. Vargas has been the Desert Counseling Center's board treasurer and is a corporate member of the Ridgecrest Community Hospital's board of directors. She is a programmer for Computer Science Corp. in Ridgecrest.

New Hours of Operation Set April 1 at Pharmacy

New hours of operation will go into effect on Monday, April 1, at the Station Pharmacy.

According to Robert H. Bryant, head of business management for the Employee Services Board, the Pharmacy will open Mondays through Fridays, 10 a.m. to 7 p.m., and close on weekends.

In after hour emergencies, prescriptions can be filled by calling Clyde Campbell at his home, phone 446-4834.



JOINS CAAC STAFF - Newest member of the staff at the Navy Counseling and Assistance Center is PN3 Mike Neubecker, from the Naval Air Facility. Neubecker is shown in background in a scene typical of the one-to-one type counseling sessions that are one of the many types of CAAC services provided military personnel and their dependents. -Photo by PHANS K. Reed

Staff Change Is Made at Navy Counseling, Assistance Center

A staff change was announced this week at the Navy Counseling and Assistance Center, which was established nearly a year ago at 406 Independence St., China Lake.

ABH2 Patrick Moore, who has been serving as the righthand man to Esther O'Neill, CAAC director, since the local facility began its work is being reassigned to the U.S. Navy Fleet Support Group in Athens, Greece, where he will be the Human Resources Programs Advisor.

Moore's place at the Navy Counseling and Assistance Center here is being taken by PN3 Mike Neubecker, another Naval Air Facility man, who joins AOS Nick Mariani, of Air Test and Evaluation Squadron Five (VX-5), on the local CAAC staff.

Both Neubecker and Mariani assist Mrs. O'Neill as counselors and can call on the part-time assistance of two drug exemption officers - Lt. Stuart Bell, of NAF, and Ltjg. L. D. Sirman, of VX-5.

Other Changes Planned

Other personnel changes are in the offing at 406 Independence St., where AN Stephen Green will replace Mariani, the present VX-5 representative, in June, and AMS2 Louis Kilpatrick will be arriving in October to help out as a race relations education specialist.

The CAAC Program has embraced a wide range of people problems such as alcoholism, homosexuality, suicide prevention, and marital and financial problems, in addition to drug related matters.

To provide this kind of help, the Counseling and Assistance Center conducts therapeutic evaluation and group counseling, awareness workshops, drop-in facilities, help via the telephone and general referral services. Drug Awareness Workshops are held for the benefit of all three military commands at China Lake - NWC, NAF and VX-5.

Open During Week

The local CAAC facility is open Monday through Friday from 8 a.m. to noon and 1 to 4 p.m. Help can be obtained by calling the 24-hour Hotline at NWC ext. 2054, or call 2395 during normal working hours. This assistance is open to military personnel and their dependents, who are invited to drop in

and talk over problems they may have, Mrs. O'Neill said.

The CAAC program of therapeutic evaluation complements the Navy's Drug Exemption Program by providing the required local rehabilitation for those identified as drug users, and it generates knowledgeable recommendations to Commanding Officers regarding the disposition of drug exemptees.

Has Aided Many

Since last July, the local CAAC facility has aided 82 servicemen and their dependents with the result that 99 per cent of the military personnel who sought assistance were able to return to work.

The amount of help an individual receives from the local CAAC facility depends upon the problem or problems involved. The program begins with interviewing and testing and includes both one-to-one and group counseling sessions that can be as varied and numerous as the individual circumstances dictate, Mrs. O'Neill explained. Since the counselor must have the complete confidence of the patron, anything that is discussed must be and is maintained in complete confidence, the director emphasized.

An important part of the CAAC program is its referral service. This consists of a listing of all agencies, activities and individuals who deal with people and their problems. The listing includes hospitals, chaplains, minority affairs representatives, senior enlisted advisors, exemption representatives, legal advisors, the Red Cross, USO and other service organizations.

CAAC takes advantage of the agencies best qualified to handle an individual's questions and problems and thus avoids duplication of efforts by utilizing those programs that are already in operation.

Now One Year Old

This month marks the first anniversary of the "Dial-a-Safety Message" program, which is coordinated through the efforts of the Indian Wells Valley Community Safety Council.

The China Lake-Ridgecrest Optometrist Club is sponsoring the current message, which can be heard at any hour by dialing 446-2774.



RECEIVES 30-YEAR PIN - Hazel Coleman recently celebrated her 30th year in Federal Service. She first came to China Lake as a Yeoman in the U.S. Navy's Women's Corps (WAVE in those days), and, after a discharge in February 1946, took a position in the Command Administration Department as a clerk steno. She joined Central Staff in 1949 and in 1957 took over the Forms Management Program as the Center's representative. Mel Sorge, head of Central Staff, congratulates Mrs. Coleman during the ceremony. -Photo by PHAN Joe Dunn