

Sunday Concert To Feature Former Orchestra Member

Rosa Lee McKay, a former resident of China Lake and one of the original founding members of the Desert Community Orchestra, returns to the local area Sunday, January 25, to perform at the NWC Station Theatre.

Mrs. McKay will perform portions of the French Romantic Violin Concerto, entitled "Symphony Espagnole" (Spanish Symphony), by Eduard Lalo.

Mrs. McKay, who resides with her husband and three children in Yorba Linda, California, is currently in her fourth season with the Symphony Orchestra of Orange County, and performs with other ensemble groups in the area.

While residing at China Lake she also taught violin. One of her former students, Harriet Luzinas, is presently a member of the Desert Community Orchestra.

Under the baton of its new conductor, Charles Wood, the local orchestra will present a varied and interesting program to concert-goers.

The Sunday evening concert will kick-off at 8 p.m. with a patriotic work, "American Salute," written by American composer Morton Gould.

Basketball . . .

Special Service's Youth Basketball League swung into action this week with a full slate of pre-season practice games in preparation for league play.

The season will officially start February 2, and by season's end in March, all 19 teams will have played a full eight-game schedule.



"THE TROJAN WOMEN"—Women of Troy watch their city burn during the Bakersfield College, Drama 27 production of "The Trojan Women," which goes before the lights tonight and tomorrow night, beginning at 8:15 p.m. in the Burroughs High School Multi-Use Room.

of Troy. Back row, l to r, are Joan Leipnik, the Goddess Athena; Sandee Schwarzbach, a woman of Troy; Connie Anderson, who portrays the Chorus; Pam Hemingway, who is Cassandra; and Barbara Hintz, the fabled Helen of Troy. The Desert Campus production is under the direction of Pat Schwarzbach, class instructor.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

normal duties associated with Branch Head positions. Minimum Qualification Requirements: A bachelors degree in Electrical Engineering or Physics is required.

CROSSWORD PUZZLE

A crossword puzzle grid with 11 columns and 15 rows. Some cells contain letters and numbers indicating the start of words. The puzzle is titled 'CROSSWORD PUZZLE'.

SHOWBOAT NEW RATING PROCEDURES. Future ratings for motion pictures shown at the Center Theater will be based on two different types of ratings—the familiar Parents' Magazine ratings, and the new MPAA (Motion Picture Association of America) ratings.

FRIDAY JANUARY 23 "THE DARING GAME" (100 Min.) Lloyd Bridges, Nico Minardos. (Adventure) A professor and his daughter, Bridges' girl friend, are held captive on a remote island by a South American dictator.

SATURDAY JANUARY 24 "MATTINE—" "SWORD OF THE CONQUEROR" (95 Min.) Jack Palance, Eleanor Draggio. (Drama) A man who has become a hero in the eyes of the people of a South American country.

SUNDAY JANUARY 25 "THE LEARNING TREE" (107 Min.) Kyle Johnson, Alexander Clarke. (Drama) A young man's journey to self-discovery through a series of encounters.

TUESDAY JANUARY 27 "GONE WITH THE WIND" (229 Min.) Clark Gable, Vivien Leigh. (Drama) The story of a woman who remains loyal to her husband and home through the American Civil War.

THURSDAY-FRIDAY JANUARY 29-30 "DAY OF ANGER" (109 Min.) Lee Van Cleef, Christina Lindar. (Western) A western based on a German novel, filmed by Italians on location in Spain.

Stamp area with fields for 'From', 'TO', and 'STAMP'. Below the fields is a line for a signature or name.

Inside . . .

Table listing contents: Chaplain's Column 2, New Physics Program 3, Vienna Chorus 5, Sports 6.

ROCKETEER logo with a globe icon and the text 'Vol. XXIV, No. 3 Naval Weapons Center, China Lake, California Fri., Jan. 23, 1970'.



Center Aircraft Survivability Program Researches Problems

Ballistic Impact Prime Area of Concentration

By Budd Gott

The Naval Weapons Center has been selected at the lead laboratory to conduct a long-range research and development program on the vulnerability and survivability of combat Navy aircraft.

The program, which is being funded by the Naval Air Systems Command, will be devoted to the solution of survivability problems that have continued to plague combat aircraft since their first use in World War I.

The program has been assigned to the Systems Development Department under the cognizance of the Infra Red Countermeasures Branch of the Countermeasures Division.

Reed Named Manager

Jerry L. Reed has been named Aircraft Survivability Program manager. The nucleus of men presently assisting Reed include Charles (Chick) Walden, Bill Arriola, Bill Duncan, Dick Swensen, Mac Gates, Bob Braeber, and Ron Clark.

"The need for an aircraft survivability becomes apparent when one considers the number of aircraft that have been shot down in Vietnam, sometimes by small-arms fire from the ground," Reed emphasized.

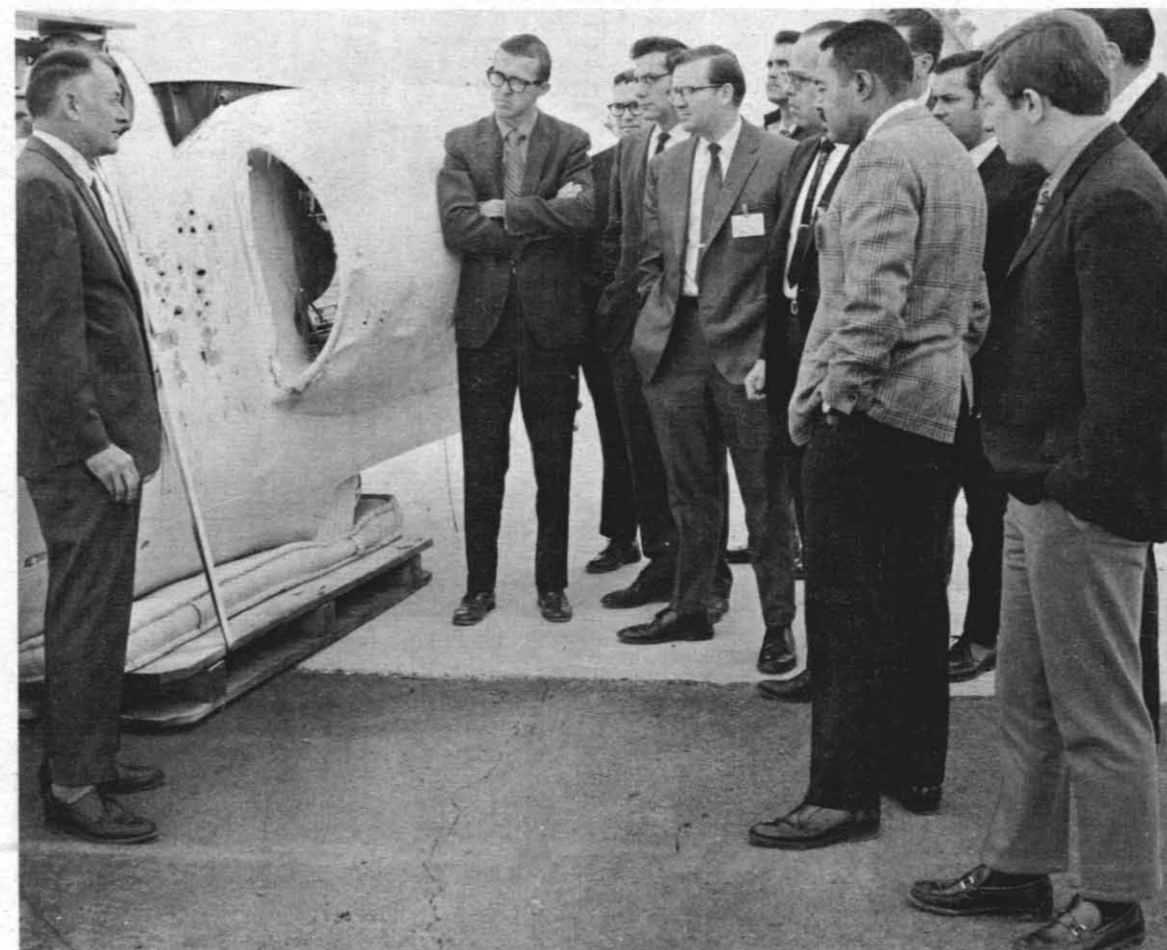
Reed pointed out that in the capacity as lead laboratory for the Air Systems Command, NWC will effect continuous liaison with Government laboratories, industrial firms, and independent research organizations for exchange of information and data so that no redundant efforts are programmed.

Reed stated that NWC is undertaking the ballistic impact problems which relate to aircraft survivability. In terms of this area of technology, "Survivability" is the ability of an aircraft to continue to function after being hit by small-caliber projectiles, fragments, or blast from air-to-air and ground-to-air guns and missiles.

Program Outlined

The Aircraft Survivability Program will consist of research, studies, full-scale experiments, and analysis on aircraft fuel systems, subsystems, and components to determine areas that will require redesign for inherent survivability.

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TEST EXPLAINED—C. E. (Chick) Walden, one of the principals involved in the Center's aircraft/survivability program explains impact tests that are conducted at the range to members of the Survivability Working

Group as part of a conference that was held at the Center last week. Test firings include experiments with incendiary projectiles and their effects on aircraft fuel system components.

Benefit Bites To Be Deducted January 30

Civilian paychecks to be distributed on January 30, will reflect increased deductions for the Civil Service Retirement Fund as well as increased health insurance premiums.

As a result of the Civil Service Retirement amendments of 1969, retirement deductions are increased from 6-1/2% to 7% of an employee's basic pay, effective January 11 and will be reflected in the January 30 paychecks.

Increased health insurance premium rates for the Government-wide Service Benefit Plan (Blue Cross/Blue Shield) and the Indemnity Benefit Plan (Aetna) as well as certain other Plans participating in the Federal Employees Health Benefits Program, also become effective on January 11 and will be reflected in the January 30 paychecks, as well.

(Continued on Page 7)

Tri-Service Reps Meet at NWC For Conference

Nine representatives from eight activities representing the three major armed services, Navy Army, and Air Force, attended the Aircraft Propulsion Systems Survivability Working Group Conference hosted here by NWC on Tuesday and Wednesday of last week.

The purpose of the conference was to review the state-of-the-art relating to aircraft engine vulnerability and survivability and to establish methods, programs, and techniques to implement improvements in the combat survivability of military aircraft powerplants.

Chairmanned by Reed

The two-day, conference, which was chairmanned by Jerry L. Reed, manager of the Aircraft Survivability Program at NWC, and co-chairmanned by George Linsteadt, of NWC, opened with a paper presented by Thomas H. McCants, Jr., of the Naval Weapons Laboratories, Dahlgren, Va., on the vulnerability testing of the J-57 powerplant.

The effects of new engine technological advances on engine vulnerability were reviewed in papers presented by James F. Foulk, of the Army Ballistics Research Laboratories, Aberdeen Proving Ground, Md., and Henry Morrow, of the Army Aviation Laboratory, Ft. Eustis, Va.

George Gigioli, of the Naval Air Systems Command, Washington, D.C., conducted the discussion which followed with the assistance of Arthur V. Churchill, of the Air Force Aeropropulsion Laboratory, Wright-Patterson AFB, Ohio, Walter S. Thompson, of the Army Ballistics Laboratories, Aberdeen Proving Ground, Md., and James N. Bujac, Jr., of the Army Aviation Systems Command, St. Louis, Mo.

Combat Statistics

A survey of combat statistics and vulnerability techniques was discussed by Millard C. Mitchell, of the Naval Air Development Center, Johnsville, Pa. Dale B. Atkinson, of the Air Force Flight Dynamics Laboratory, Wright-Patterson AFB, Ohio, reviewed the need for improved specification data.

Other NWC personnel, in addition to Reed and Linsteadt, participating in the conference were LCDr. John M. Hoffman and C. E. (Chick) Walden.

A series of briefings on the NWC Survivability Program and a tour of the K-2 and G-2 Survivability areas concluded the conference.



PROMOTED—Lt. Anglene F. Martin received a letter of appointment to the rank of Lieutenant Commander and a set of insignia from Capt. M. R. Etheridge, Center Commander, during recent promotion ceremonies held in the Commander's office. LCDr. Martin is Communications Officer at the Naval Weapons Center. She arrived aboard the Center one year ago this month. Recently married, she is Mrs. Arnold Martin.

—Photo by PH3 M. Dias

CHAPLAIN'S MESSAGE

Head + Heart = Human

CHAPLAIN JAMES HOGAN



Years ago my old Irish grandmother, crippled and confined to a wheel-chair, was my confidante, adviser, and soothsayer. If I was troubled, she would comfort me; if I wondered whether rain would interfere with my golf game, she'd peer out at the sky and say no (whereupon the sky would clear); and if I had any decisions to make she invariably offered a pithy saying to guide me. One of her favorites, in times of stressful decision-making, came from over 80 years of her own experience. "Do what your heart tells you." Most often, it was good advice.

In a recent book entitled "Building the Human," Robert Johann reminded me of my grandmother's wisdom when he remarks that in the search for values it is fashionable these days to follow one's heart and not his head. We are in a scientific age, and science deals with facts, not values. Therefore, in the quest for meaning, it has become easy to conclude that personal preference, and pure subjective feeling are the keys to individual happiness. Scientific methodology can get us to the moon, but only the heart can perceive what for me is my ultimate goal.

For all her reliance on the importance of personal desire and aspiration, my grandmother (if still alive) would carefully consider the above theory and then say something or other in Gaelic which would roughly translate as "nonsense." She knew that while the heart can throw light on many of life's questions, it doesn't have all the answers without a little help from the head. Our affections, emotions, our "drives," can give us insight that a coldly rational man never has, but without some straight thinking they can also lead us in several directions at the same time. And nobody gets where he wants to go that way.

The truth is, only intelligence and common sense can put all of my hopes and desires and inclinations in their proper perspective. A man who thinks calmly and reflectively will bring order out of chaos. And as Johan points out, if he also tries to stand in the presence of God in order to see the whole picture of life and not just fragments, both head and heart will work together. One or other alone is not enough; we need both to be truly human.

CENTER LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

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| <p>FICTION</p> <p>Ashe—Double for Death.</p> <p>Bass—Jory.</p> <p>Carroll—Man on the Mountain.</p> <p>Carson—December Syndrome.</p> <p>Cloete—How Young They Died.</p> <p>Graham—Angell, Pearl and Little God.</p> <p>MacKenzie—Night Boat to Puerto Vedra.</p> <p>Stout—Death of a Dude.</p> <p>Terby—Speak Now.</p> <p>NON-FICTION</p> <p>Acheson—Present at the Creation.</p> <p>Deloria—Custer Died for Your Sins.</p> <p>Elliott—The Lord Your Shepherd.</p> | <p>herd.</p> <p>Franklyn—Heraldry.</p> <p>Kampen—Due to Lack of Interest Tomorrow Has Been Canceled.</p> <p>Kohlmeier—The Regulators.</p> <p>Legler—How to Make the Best of Your Life.</p> <p>Manchester—The Arms of Krupp.</p> <p>Mills—The Prosecutor.</p> <p>Oh—Korea.</p> <p>Peterson—The Last of the Mountain Men.</p> <p>Werner—Iron Coffins.</p> <p>Williams—The Future of the Overseas Chinese in Southeast Asia.</p> <p>Ziegler—The Black Death.</p> |
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PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history up-to-date should be forwarded as described below. The fact that positions are advertised here 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 employees present and most recent previous supervisor. Selection shall be made without discrimination for any non-merit reason and without favoritism based on personal relationships or patronage.

The vacancies listed below are effective from 23 January to 30th January 1970.

Clerk (Stenography), GS-301-4, PD No. 817041, Code 1781—Position located in the Operations Staff of Management Data Processing Division. Provides secretarial and clerical support to the Operations Staff Head. Gathers data and prepares operational reports, etc., receives calls and visitors, makes appointments, arranges for meetings, mail distribution, ordering supplies, composing routine memorandums, etc. Minimum Qualification Requirements: Two years of specialized experience. Job Relevant Criteria: Qualified typist and steno. Advancement Potential: May advance to GS-5.

Supervisory Operating Accountant, GS-510-12, Code 1781—This position is the Head, General Accounting Branch. Incumbent provides professional accounting advice and recommendations to staff personnel in Central Staff and Center departments on the financial condition of the Center, NIF accounting procedures, etc. Incumbent manages (plans, organizes, controls, and directs) the operations of the General Accounting Branch. Plans, develops, and installs major procedural changes in the Branch on his own initiative or to comply with directives. Minimum Qualification Requirements: Three years of general experience as stated in X-118. One year of experience in professional accounting or auditing work in one or more of the specialized field or options described in X-118. Total six years experience.

File application for the above with Sue Praszolowicz, Bldg. 34, Rm. 28, ext. 71577.

Supervisory Employee Management Cooperation Specialist, GS-236-13, Code 651—Head of the Employee Management Relations Division. Serves as the Center's expert in employee-management relations, labor relations, employee services and equal employment opportunity. Responsible for the development, implementation, and evaluation of conceptual frameworks, policies, and operational systems through which management relates to its employees. Minimum Qualification Requirements: A 4 year course in an accredited college or university leading to a bachelor's degree; or three years of experience in work which provides evidence that the candidate has the ability to analyze problems and apply sound judgment, good general understanding of the systems, methods, etc. for accomplishing the work of an organization, etc. or any time equivalent combination of education and experience plus 3 years of specialized experience. Job Relevant and/or Selective Placement Criteria: 1) Generalist experience or experience in more than one personnel specialty including employee management relations. 2) Advanced work beyond the bachelor's level preferred. 3) Labor relations experience desirable.

File application for the above with Sue Praszolowicz, Bldg. 34, Rm. 28, ext. 71577.

Accounting Technician, GS-525-6, Code 1761—Incumbent is responsible for the maintenance of the Books of Original Entry and Subsidiary Ledgers which support the NIF control accounts in the General Ledger, requires the application of non-professional accounting practices. Incumbent is responsible for the maintenance of the NIF General Ledger, the master control of NIF accounting, etc. Minimum Qualification Requirements: Two years general experience and 2 years of specialized experience as stated in X-118.

File application for the above with Sue Praszolowicz, Bldg. 34, Rm. 28, ext. 71577.

Statistical Clerk, GS-1531 or Math Aid GS-1531-3/4, WAE, Code 552—Prepares test and statistical data for analysis by engineers and program personnel. Makes appropriate computations after data has been collected. Prepares various charts, graphs and summary sheets for test evaluation purposes. Assists in the preparation, including typing, of formal program and firing reports. Qualifications: Applicants must meet general and specialized experience requirements outlined in CSC Qualifications Handbook X-118 for one of the series listed above. Job Relevant Criteria: Demonstrated capacity for detail work. Experience in using simple math formulas. Typing ability. Advancement Potential: GS-4 level.

File application for the above with Sue Praszolowicz, Bldg. 34, Rm. 28, ext. 71577.

Statistical Clerk, GS-1531 or Math Aid GS-1531-3/4, WAE, Code 552—Prepares test and statistical data for analysis by engineers and program personnel. Makes appropriate computations after data has been collected. Prepares various charts, graphs and summary sheets for test evaluation purposes. Assists in the preparation, including typing, of formal program and firing reports. Qualifications: Applicants must meet general and specialized experience requirements outlined in CSC Qualifications Handbook X-118 for one of the series listed above. Job Relevant Criteria: Demonstrated capacity for detail work. Experience in using simple math formulas. Typing ability. Advancement Potential: GS-4 level.

File application for the above with Sue Praszolowicz, Bldg. 34, Rm. 28, ext. 71577.



COMING SOON AT THE LIBRARY—Pop Lofinck, Desert Philosopher Columnist for the Rocketeer, shows his advance copy of I. E. Edwards' book "The Enduring Desert" to Mrs. Maryon Ward, Center Librarian. Pop's writings are among those listed in Edwards' book and his copy has been autographed by the author. Edwards' bibliography of more than two thousand items concerning the California Desert lists Pop's writings on Coso to Carricart, his Mojave Desert Ramblings book, and his Desert Philosopher Column in the Rocketeer. Edwards gives his personal evaluation of all writings, and in Pop's case he comments on Pop's stimulating philosophy and interpretive writings. Edwards' book has been ordered for the Center Library and its arrival will be announced. Photo by PH2 D. E. Hart



UNDER NEW MANAGEMENT—The Malt Shop in Bennington Plaza is now under the management of Rex and Trudy Deal, shown above as they prepare to open for business. The Deals will be assisted by their four children in the operation of the popular eatery. Grand opening will be Saturday, January 31, and on that date the Malt Shop will commence new hours. These are: 9 a.m. to 10 p.m., Monday through Saturday, and 11 a.m. to 5 p.m. Sunday.

Election of Officers Held by China Lake Community Council

The China Lake Community Council held an Election of Officers at their January meeting. John Emery was re-elected as president, and Ted Bergman was elected as vice-president.

Philip Gill was elected to the post of secretary, and Bob Young is the new treasurer. Emery requested that the present committee membership remain the same until a review is made of committee functions.

Dale Lane was given an award for her participation in the motorcycle safety program held recently by the Council. In other action at the January meeting, Emery stated that the next Miss Ridgcrest-China Lake beauty pageant will be held May 23. Kenneth Austerman, Precincts 3 and 7, is the Council representative for this project.

1970 Hearing Board
The 1970 Hearing Board members have been chosen. They will be Ted Bergman, Precincts 1, 2 and 10; George Ness, Precincts 1, 2 and 10; Wardna Abernathy, Precincts 4 and 8; and Jack Dragovich, Precincts 5 and 6. The Policy Board alternate member will be Bob Young, Precincts 5 and 6.

As a result of calls from constituents to Council directors regarding the area south of Mirror Lake, which has been used as a dumping ground for old auto bodies and various other large pieces of junk, the Services Committee reported that Public Works will soon be cleaning that area up. Center residents are again reminded that an area exists east of Richmond Road near Sangamon, that is marked for use as a public dump.

Public Works has designed a plaque to be installed on the house of each director so that precinct residents may know where their representatives live.

'Cycle Areas Marked
Mr. Gerald Baker (proxy for Ken Austerman) read a proposed plan for markers which will delineate the areas in which motorcycles may be ridden. The markers will be constructed of PVC plastic pipe of 1" diameter with a 1" styrofoam or soft plastic ball attached at the top. The ball is to be fire orange or a fluorescent red. The pipe is to extend approximately 6' above the ground and 1' into the ground

over a metal stake driven 2' into the ground. These markers will be placed 100' apart, 300' from sensitive areas or housing areas; golf course and stables; and 100' from primary roads, along a perimeter of areas designated as safe riding areas. For more information regarding this project, contact Ken Austerman or Billie Hise.

Explorer Post
An Explored Post of the Boy Scouts of America is being activated which will be aimed at instructing cycle riders in the proper and safe methods of using their vehicles. The sponsor for this Post will be the Sandblasters Motorcycle Club. The Institutional representative is Bob Glenn of 316 Bonita (Desert Park). Interested boys are invited to contact him regarding joining this post.

Mr. William Hattabaugh (former president of the China Lake Community Council), who is the chairman of the FM Committee, announced that the committee is about ready to select a third FM station to be translated into the valley. He asked the cooperation of the Council in ascertaining the desires of the community regarding the type of music and the station they would like brought in. At present KDUO and KFAC are being translated.

Mr. Gill (Precinct 9) stated that the Opinion Sampling Committee could process another survey as soon as subjects are selected. Among suggested subjects were: 1) choice of next FM station, and 2) community appearance.

Animal Control
Residents are again advised of NWC Instruction 5820.3B, which states the Center regulations concerning animal control. The Council wishes to call the attention of residents to the fact that 28 Community Hearing Board sessions were held in 1969 to discuss incidents of animals out of control.

The Community Council urges Center residents to avail themselves of the processes established to control animals. For further information regarding this matter, call the Community Relations Assistant's office (Code 0231), 71659, 71575.

Due to the full agenda and the late hour, the Council Directors decided to meet again on January 27 at 7:30 p.m., place to be announced by the president.

Insurance Open Season Announced

The Civil Service Commission has announced an Open Season for regular and optional life insurance to be held during the entire month of March, 1970, and a reduction in premium rates for optional insurance effective the first pay period in April, 1970.

During the Open Season, any eligible employee who waived regular insurance or declined optional insurance may acquire the regular insurance or both regular and optional insurance without evidence of good health.

The reduction in premium rates for optional life insurance will become effective the first pay period in April, 1970. Premium rates for the \$10,000 optional life insurance, by age groups, will be as follows:

Age Group	Biweekly Premium Present	New
under 35	\$ 3.00	\$ 1.30
35-39	6.00	1.70
40-44	6.00	2.40
45-49	6.00	3.60
50-54	6.00	5.50
55-59	20.00	17.00
60 or over	20.00	19.00

The premium rate to the employee for regular insurance will not change. Premium rate increases scheduled for January, 1970, for optional insurance, affecting employees who reached age 35 or 55 in 1969, are postponed until the first pay period in April, 1970, at which time the new premium rates apply.

Additional reminders will be provided all employees before the Open Season begins in March, 1970.



MATURANGO MUSEUM ANNUAL MEETING—More than 200 friends of the Maturango Museum turned up Tuesday night at the Mojave Room of the COM to hear the annual report of the Director, Ken Robinson, and a highly interesting presentation by Dr. E. L. Davis, Curator of Archaeology at the Museum of Man in San Diego. Dr. Davis spoke on "The Search for Ancient Man in the Mojave Desert" and presented slides of locations at which these studies have been pursued.

E. L. Davis, Curator of Archaeology at the Museum of Man in San Diego. Dr. Davis spoke on "The Search for Ancient Man in the Mojave Desert" and presented slides of locations at which these studies have been pursued.

Airframe, Component Vulnerability Evaluated at K-2 Ground Range

(Continued from Page 4)
form that will be used for in-scale captive aircraft at thrusts, including afterburner, up to 50,000 pounds. The facility was designed by the combined efforts of the Range Design Branch, Code 3023, and the Public Works' Engineering Division, Code 703, based on the requirements by the Countermeasures Division, Code 305.

The design of the instrumentation for the facility also included in the efforts of the Instrumentation Operations Division, Code 306, and the Range Operations Division, Code 302.

Three Complexes
The facility will consist of three complexes: The main test site, currently under construction, will consist of an elevated 60 x 60-foot concrete test pad with a tie-down pad and an approach ramp, a gun tower, a mobile aircraft-lifting vehicle, an airflow generator, fire-fighting equipment, instrumentation, and a fire control barricade.

The tie-down stand, a five-inch 38 caliber gun mount, redesigned to support full-scale test aircraft, can be rotated 360 degrees in azimuth and a plus or minus 15 degrees in elevation so that the aircraft can be positioned to place shots into different portions of the airframe. The 70-foot gun tower, which will face the elevated test pad, will be equipped with a gun platform that can be positioned anywhere along the tower face for bottom, nose, side, and top shots. The gun platform will also support a bore-sighted TV camera during firings.

Savings Bonds Interest Rates Are Increased

President Nixon recently signed into law legislation permitting interest rates on U.S. savings bonds to be increased to 5 percent when held to maturity. This 5 percent rate assures a more equitable return to the millions of purchasers of savings bonds. It also will permit these bonds to continue to make an important contribution to a sound structure of the public debt, by enabling them to remain competitive with other types of savings instruments.

All outstanding series E and H savings bonds now yielding less than 5 percent to their maturity, regardless of when they were purchased or in what maturity period they are, will have their interest increased to yield a full 5 percent from June 1, 1969, to their maturity. This means there is no reason for any savings bond owner to redeem outstanding savings bonds for new ones.

Sales of freedom shares, which already pay 5 percent interest, will be discontinued after June 30, 1970. The delay will give employees who buy freedom shares through payroll savings plans an opportunity to change their deduction programs to savings bonds in an orderly manner.

The continued purchase of savings bonds, especially im-

portant today when we are engaged in an all-out effort to control inflation and restore health to our economy. The new interest rate of 5 percent should provide an added incentive to those Americans who find savings bonds an attractive and convenient way to provide for their own financial security and contribute to the sound financing of the nation's government.

Interior Range
In the meantime the Aircraft Survivability Program is being carried on at an interim range at the south end of the G-2 ground range. The interim range is equipped for projectile, and to a limited degree, controlled fragment impact tests against components of aircraft fuel systems. It consists basically of a test pad that will accommodate either of two mobile test stands or an airframe subsystem, an airflow generator, and fire-fighting equipment.

Pay Deductions . . .
(Continued from Page 1)
Charitable contributions that were authorized by employees to be paid by payroll deductions, resulting from contributions authorized during the Combined Federal Campaign, also will be deducted effective January 11 and reflected in the January 30 paychecks.

The Rocketeer
Official Weekly Publication
U. S. Naval Weapons Center
China Lake, California

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DEADLINES:
News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m.

The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExEx P-35, revised July 1958. Office at Nimitz and Lauritsen. Phones 71354, 71655, 72082

DIVINE SERVICES

Protestant (All-Faith Chapel)—
Morning Worship—9:50 a.m.
Sunday School—8:30 a.m., Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite Center Restaurant.
Thursday—Service at 5:00 p.m. (Organ Prelude at 4:45 p.m.)

Roman Catholic (All-Faith Chapel)—
Holy Mass—7, 8:30, and 11 a.m. Sunday.
Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m.

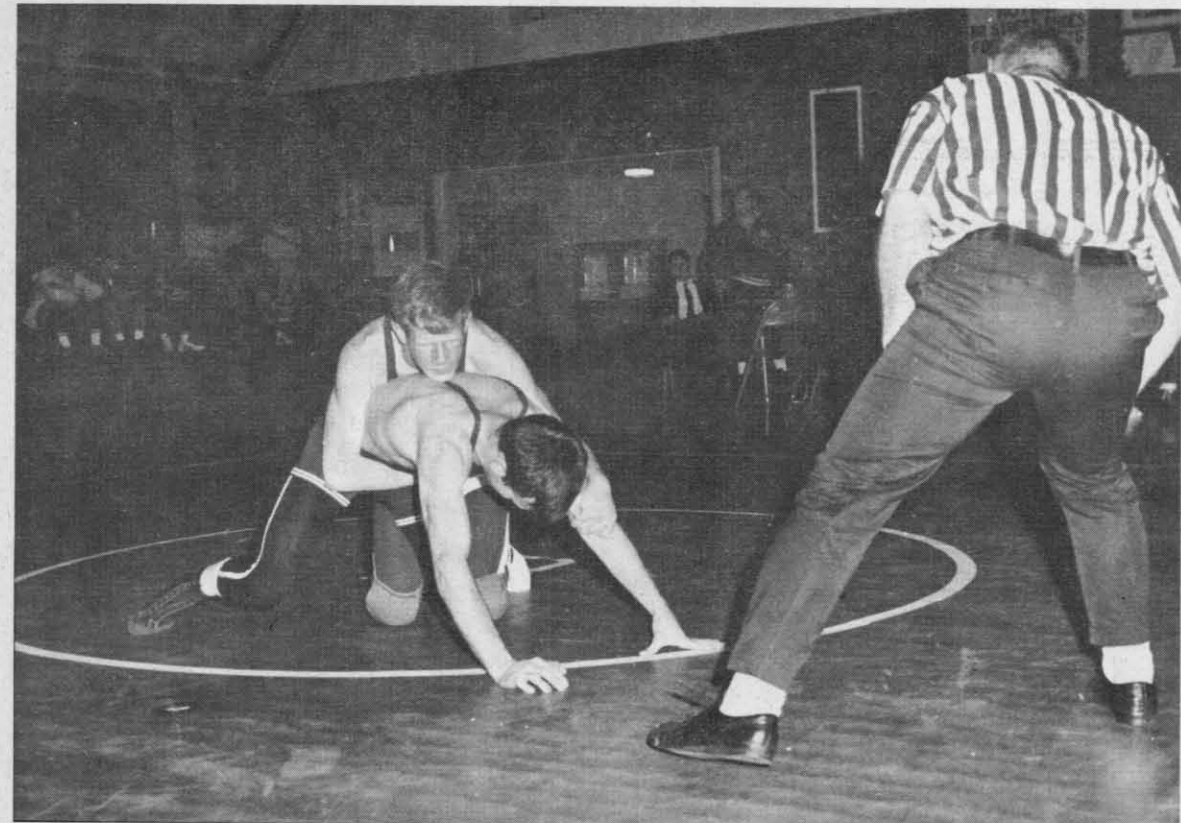
Confessions—7 to 8 p.m. Saturday, and 8 to 8:25 a.m. Sunday.

NWC Jewish Services (East Wing All-Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.

(Continued on Page 8)



IN THE RING—An unidentified Burroughs High School varsity wrestler and a matman from Victor Valley are shown at the beginning of a match at a meet January 14 in the Burroughs gymnasium. The wrestling team from BHS is coached by Darryl LaRue. Their next match will be against Apple Valley at the local gym on Wednesday, January 28.

MDISL NWC All-Stars Chosen

Coach Bill Nicol has announced the 12 players who will represent China Lake in the Mojave Desert Interservice League Basketball tournament January 29-February 1 at George AFB.

Included on the team are: Ken Cappel, VX-5; Ron Lyons, VX-5; Gary Clark, VX-5; George Bistline, VX-5; Marvin Johnson, NAF; Marvin Carson, NAF; Ken Burke, Ace TV; Gerry Kissack, Ace TV; Ted Bailey, Ace TV; Jim Ayers, Loewen's; Darrel Johnson, Loewen's; and Gary Jacobs, Mgr.

Eight teams will participate in the four-day, double elimination tournament, including Norton AFB, last year's All Air Force champions. "We got a good draw and could go as far as the semi-finals," said Nicol. "In any case, we won't be embarrassed with the team we've got. But a lot of those Air Force teams get to practice much more than we do."

Intramural Basketball It's little wonder the Loewen's Lions are leading the China Lake Intramural Basketball League with the one-third

of the season completed.

Not only do the Lions possess the league's most potent offense, they also boast the third best defense and the league's most balanced attack.

Although the Lion's leading scorer, Jeff Blanche, ranks only fifth in league standings, the team is averaging 72.0 points-per-game, unsurpassed even by the NAF Hawks, who have the league's three leading scorers. The Hawks rank second with a 71.0 average.

Loewen's defensive average of 45.5 ranks third behind the surprising Hustlers and VX-5. But the Lions have no fewer than four players scoring in doubles figures and three more adding at least seven points-per-game.

NAF's Chuck Sussman is the loop's top scorer with a 20.0 average, but he hasn't played lately because of an injured foot, and it's doubtful that he'll play again this season. Behind Sussman are teammates Marv Johnson (18.0) and Jim Latta (16.4). VX-5's Ken Cappel is tied with Latta for third place with an identical 16.4 average.

THE SCHEDULE

January 27, 5:30, NAF Officers vs. Brothers; 7:00, Lions vs. Gengo; 8:30, Chaparrals vs. LDS.
January 28, 5:30, VX-5 vs. Ace TV; 7:00, Desert Motors vs. Hustlers; 8:30, NAF vs. Gengo.
January 29, 5:30, Lions vs. Hustlers; 7:00, Brothers vs. LDS; 8:30, NAF Officers vs. Desert Motors.

STANDINGS

	W.	L.	Pts.	Opp. Pts.
Loewen's	6	0	72.0	45.5
Ace TV	6	1	69.9	52.9
NAF	6	1	71.0	45.9
VX-5	5	2	64.6	45.3
Gengo	3	3	52.8	58.8
LDS	3	4	54.0	56.3
Desert Motors	3	4	52.6	48.9
Hustlers	3	4	45.5	44.4
Brothers	1	6	38.5	51.2
NAF Officers	0	5	34.8	62.8
Chaparrals	0	6	22.5	76.7

SCORING LEADERS

	G	FG	FT	TP	Avg.
Sussman, NAF	4	30	20-39	80	20.0
Johnson, NAF	7	56	14-26	126	18.0
Latta, NAF	5	28	26-38	82	16.4
Cappel, VX-5	5	35	12-22	82	16.4
Blanche, Loewen's	3	24	2-8	50	16.3
Higgins, Ace	7	47	20-29	114	16.3
Kissick, Ace	7	47	9-17	103	14.7
Taylor, LDS	7	43	13-19	99	14.1
Rog Short, DM	7	37	16-22	96	13.7
Ayers, NAF	5	25	18-40	68	13.6

(Continued on Page 8)

ROCKETEER SPORTS

Adult-Child Tourney Scheduled For Jan. 31

The pins will come down at 9 a.m. Saturday, January 31, when Adult-Child Scotch Doubles tournament gets under way at the China Lake Bowl. Entries are now being accepted from all members of the Ridgecrest-China Lake Junior Bowling Association.

The handicap affair will use the child's current average, and the adult's winter book, or current average. If the adult doesn't have an average, women will use 130 and men 155, with 75 percent difference of 200.

For further information call Jeanne Crom, 375-9626, or Jean Boulden, 375-2239.

Thursday Trio

The Bowlholics are holding onto a slim 1 1/2 game margin over the Grandmas. Last week, Arrowsmith shot 577 and 1651 to lead the team scoring. Dorene McDermott turned in a 62' series (with hdcp.) and Elsie Smith had a 220 game (handicap).

Desert League

Larry Peabody led individual scoring with 183-212-214 and a 609 while Floyd Maxwell shot a 235 single game. The Roadrunners were the high team with a 1064 game (131 pins a handicap) and the Planners had a 2995 series (414 handicap).

The Analysts are in first place, 8 points ahead of the Unholy Rollers.

Supply Dept. Mixed

The Outcasts had a 2740 series and Beyers Coolers a 1001 game to lead team scoring last week (January 11). George Bowles led the male scoring with 248 and a 660. Bonnie Harkey had a 478 for the ladies, and Myrtle Snyder a 175 game.

Bantams

The Bantam bowlers shot good scores last Saturday, among them: Margaret Daures, 146 and 412; Chris Fowler, 154; and Sheila Simmons, 145. Buford Branson had 166 and 447; Ernie Herbstreit, 150 and 401; and David Schad, 157 and 400. Other fine scores for the youngsters: Lance Brode, who carries an 86 average, 138 and a 303 series; and Mary Clark, whose average is only 85, 110-123-100 for a nice 333 series.

Prep League

The "little people" had a long list of good games this past Saturday. Among them were: Dick Evert, 101; Mike Titus, 101; Rickey DeMarco, 103; Vic Wiggins, 103; Ron Mirris, 107; Mark Schoenhals, 111; Evelyn Parks, 111; Tony Pfau, 115; Howard Koff, 124; Linda Herbstreit, 102 and 114; David Furstenberg, 107 and 109; Kim McNew, 147; and Richard Hoffer, a fantastic 153.

Women's Wed. Nite

Ray's Appliances had a 1009 game and El Rancho Nogot a 2647 to lead team scoring on January 14. Mary Jane Clark had a 211 and a 517, while Veleeta Meeks fired a big 233 game. Marlys Bowles had a 201.

Military Ball & Chain

The Rustlers had 811 for high game January 14 and Mercury Movers a 2298 for high series.

Dick Bauer's 576 led the men's scoring and Sallie Stephenson had a 507 to show the ladies the way. Sallie also had the high game, a 179, and Jim Kincheloe turned in a 202 for high men's game.

Monday Women's Scratch

Karen Bassett and Rosie Pelley had a 562 series January 19 to lead the individual series scoring and Karen shot a 236 for high game. Rosie had a 213. Other high scores for the evening: Sallie Stephenson, 204-554; Patty Maxwell, 204-555; Mary Jane Clark, 202-549; Sandy Smith, 211-539; Maggie Branson, 204-555; Dorothy Klamt, 207-529; and Lee Fox, 200-552.

Premier League

Ace TV, currently on top of the Premier League, held a hot hand last Monday, shooting a 972 game enroute to a 2828 series to lead all the scoring.

Bobby Lockwood fired 236-223 for a 639 series, followed closely by Thad Brightwell, high average in the league, who hit a 235-213, and a 627.

Four more 600-plus shooters were: Craig Rae, 237-213 and 623; R. C. Jones, 214-201 and 614; Fred Dalpiaz, 224 and 608; and Bill Tenan, 212-207 and 607.

Other high games for the evening: George Bowles, 232; Dick Furstenberg, 231; Bill Esch, 231; Ray Schreiber, 213; Elmer Davis, 210; Ev Yelland, 212; Dan Branson, 210; Cliff Moss, 211; and Ed Donohue, 209.

PREMIER LEAGUE STANDINGS

	Won	Lost
Ace TV	218	142
Boyd's Auto	212.5	147.5
R. C. Lones	193.5	156.5
C. L. Navy	186.5	173.5
AV Trophy	184	176
Sterlite	181.5	178.5
Tom's Place	174.5	185.5
Mercury	166	194
Kirgepovich's	162	198
Team No. 10	121.5	228.5

MDISL Handball Tournament Held At George AFB

China Lake's Claude Brown advanced to the quarterfinals of the Mojave Desert Interservice League handball tournament last weekend before falling to eventual champion Joe Levy of George AFB.

Brown, Rick Roberts, and Jerry Zaharias were among 21 entered in the two-day tournament at George AFB. Roberts got to the second round before losing while Zaharias was eliminated in the first round.

In the doubles competition Brown and Zaharias won their first round match, but forfeited to Levy and his partner who went on to take the doubles crown.



RATING ADVANCEMENTS—Capt. C. W. Fritz, Commanding Officer of VX-5, (l), beams after awarding seven advancement in rating certificates during advancement held December 17 in his office. Recipients are, left to right: AQF3 John L. Wood; ATN3 James R. Hanson; ATR2 Gary P. Gilbert; AQF3 Timothy D. Tinkle; DP2 Benjamin J. Povoliat; AMH3 Samuel "B" Slater; and ATR2 Joseph T. Spiech.



CDR. KENNETH A. DICKERSON, who recently reported to VX-5 from the Staff of the Commander of the 6th Fleet in Naples, Italy, is a graduate of the U. S. Naval Academy, Annapolis, Md., and also attended the Naval Post Graduate School in Monterey, California. At VX-5 his primary duty is that of Reports and Management and Control Officer for the Projects Department. Cdr. Dickerson and his wife Cecile have three children, Denise, David and Steven. The family reside at 611 Ticonderoga on the Center.

Registration Jan. 28, 29

According to representatives of the Desert Campus of Bakersfield College, prospective students are reminded to register at the college during the two evenings of open registration that will be held on Wednesday, Jan. 28, and Thursday, Jan. 29, from 5 to 8 p.m.

On Wednesday, Jan. 28, registration will be held in the high school multi-use room. On Thursday, Jan. 29, evening registration will take place in Room B02 on the Burroughs High School campus. Day registration will be held on Friday, Jan. 30, from 9:30 a.m. to 3:30 p.m. in room 2 at the Desert Campus.

Spring semester classes will officially begin at the college on February 2.

Late registration will also begin on Feb. 2 and continue to Feb. 13. During late registration, there is a likelihood that some classes may be closed because their quota of students has been reached.

ASPAs Survey Says Miniskirts Make It; Unshaven Faces Don't

A surprising employer tolerance for both miniskirts and beards has been discovered by a survey published recently by the American Society for Personnel Administration and the Bureau of National Affairs.

However, the tolerance does not extend to those applying for new jobs. Of 150 companies reported that they regard a man's beard as "a reason for not hiring him or at least a negative factor in the hiring decision," the study found.

Sixty per cent of the companies reported they would be "turned off" by a girl who came to apply for a job wearing a miniskirt.

Most objectionable to employers, according to this report, are men with long hair and men who wear "mod" clothing. Ninety per cent of the companies voiced negative reactions to such styles.

Of the 150 firms participating in the survey, about 90 employ 1,000 or more workers.

The survey disclosed that while traditional standards prevail in hiring practices, standards are far more flexible for employees already on the job. For example, the company personnel officers who said a beard would be a factor in rejecting a new applicant also reported they have either no objection to a beard worn by a present employee, or would object only in extreme cases.

At 45 per cent of the firms, there was no objection to a girl wearing a miniskirt after she's hired.

The least objectionable new style trends for men, according to the study, are longer sideburns and mustaches. Seventy-five per cent of the companies surveyed listed no objection to longer sideburns on mustache is accepted almost as well.

None of the companies forbids sideburns or refuses to hire an individual wearing them. Only two or three per cent bar mustaches.

Colored hose and long hair are the safest fashions in the "new look" for women, whether applying for a job or already employed, the study disclosed. See-through blouses generally

constitute an offense of company policy on proper dress.

Fifty per cent of the firms surveyed "absolutely forbid" females to wear see-through blouses. Another 33 per cent said they impose "differing degrees of restriction."

Viewing the total picture, the study concluded, men are generally looked upon more negatively than women when wearing "mod" or other innivative styles. There is a wide range of permissiveness that companies allow in female attire.

Art League To Host Seascape Artist Foster

The Desert Art League will hold its monthly meeting on Monday, January 26, at 8 p.m. at the Community Center. The featured speaker will be Don Foster of Idyllwild who will present a seascape demonstration in oils. Foster was unable to be present for a previously scheduled program.

His book on marine painting, "The Don Foster Seascape Manuscript" has attained national distribution. The artist has his own gallery in Idyllwild and conducts workshops for art groups throughout the state and in Hawaii.

Last year, he conducted a workshop in Kailua, Hawaii, for an art group there with the famous Hawaiian coastline as the setting.

His paintings may also be seen at the Desert-Southwest Art Gallery in Palm Desert; the Saddleback Western Art Gallery in Santa Ana; and the Trailside Gallery in Jackson, Wyoming. His adult education courses in art in the Hemet District resulted in teaching six courses each week.

Membership in the Desert Art League is open to all who practice or appreciate the fine arts, and prospective members are welcome to attend at anytime.

Colored hose and long hair are the safest fashions in the "new look" for women, whether applying for a job or already employed, the study disclosed. See-through blouses generally

New Physics Graduate Program Offered at NWC This Spring

The University of Southern California will begin offering a Graduate Program in Physics at China Lake the second semester this year per notification received this week from Professor William G. Spitzer, the chairman of its Physics department.

The program will be similar to the University's Graduate Program in Engineering and will allow completion of four courses at China Lake over a period of three semesters leaving four additional courses to be taken on campus by those desiring to complete the Master of Science degree.

The course to be offered this Spring is Physics 504A, Advanced Mechanics. It will meet on Tuesday and Thursday from 2:45 p.m. to 4:15 p.m. in Room 107, Training Building, commencing 3 Feb. and will be taught by Dr. Victor L. Rehn of the Physics Division of the NWC Research Department.

Registration for this course

will be conducted during the week of 26 Jan. in Room 109, Training Building. Students who are NWC employees shall submit enrollment authorization form 11ND-NWC-12410/41 (Rev. 11-69) changing it to read USC Physics program. This form authorizes the individual to take the course on government time and exempts him from paying tuition. Students who are not NWC employees will pay the standard USC tuition which is \$60 per unit of credit.

Other courses scheduled to be offered at China Lake during the first and second semesters of next year are the following: Physics 508A, Advanced Electricity and Magnetism; Physics 510A, Methods of Theoretical Physics; and Physics 558A, Quantum Mechanics.

Students desiring more information about this program should contact the Education Director, Room 2014, Administration Building, extensions 72934 or 72926.



CPO WIVES INSTALLATION—Mrs. Rose Marie Harris, (r) new president of the CPO Wives Club, is congratulated by Mrs. Lois Herrington, past-president. Looking on, in the back row, are, l to r: Gladys Bauers, vice-president; Lonnie Norris, treasurer; and Charlotte Murray, secretary. The installation took place in the Chief Petty Officer's Club January 15.

Military Non-Residents May Renew License Tags Sans Fee

Military non-residents on duty in California, and owning passenger vehicles located in California, may obtain licenses, or renewals, without the payment of the California automobile license fee.

A registration fee, however, is payable in the amount of \$12.00 for station wagons, and \$11.00 for all other passenger vehicles. An additional \$6.00 is charged for the first California registration. Camera's with cabs permanently affixed carry passenger vehicle rates: those with removable cabs carry commercial rates based on weight, from which there is no military exemption.

In order to obtain the license fee exemption, the registrant should submit a "Certificate of Military Exemption" with his application for license. These forms are available at the local office of the Department of Motor Vehicles in Ridgecrest.

A vehicle registered to a husband and wife is treated the same as though registered to husband alone for purposes of exemption. The application may be signed by the wife, who

should sign, for example, "JOHN JONES, by MARY JONES, Wife."

Non-resident military personnel are warned that if at the time your vehicle is brought into California, it is not registered to you in your home state or the state or country in which you were last regularly stationed for duty, the laws of California require the vehicle to be registered immediately either in California or the home state.

California allows the vehicle to be registered here within 30 days from date of entry without penalty. Thereafter, a penalty of 10 percent of the out-of-state service charge (first California registration) is assessed for registration within 60 days.

After 60 days, the penalty is 100 percent of both the registration fee and the service charge.

These fees and penalties are payable not only for the current year, but also for each previous year the vehicle was in California without proper registration.

SHARE IN FREEDOM

A/C Survivability Program Led By Center

Center Lead Laboratory for Survivability/Vulnerability

(Continued from Page 1)
The program will be divided into two interdependent phases:

- Phase I, Establishment of Design Criteria.
- Phase II, Survivability Equipment Research and Development.

These phases will be conducted simultaneously, and the general procedure will be to use the data gathered in Phase I as the basis for work in Phase II.

Phase I Objective
The primary objective of Phase I will be the evaluation of the vulnerability of current and proposed aircraft fuel systems from projectiles, fragments, and blast. This evaluation will include analysis of previous vulnerability studies which have been performed. "The current program is devoted to fuel systems, however, present plans from NavAir include research, development and testing efforts relating to the design of improved powerplants, flight controls and aircrew armor systems beginning in FY 1971 and 1972."

To obtain new data, 7.62 to 37 millimeter projectiles will be fired into selected areas of captive full-scale aircraft in carefully controlled and fully instrumented tests. Fragmentation and multiple-projectile damage will also be inflicted. Realism will be achieved by running the aircraft's engine and fuel systems and by directing high-velocity air over the aircraft impact areas of interest to stimulate local airflows.

Full-Scale Aircraft
The ability to perform full-scale operating aircraft experiments will allow NWC to determine answers to problems which have not been resolved through testing of individual components. For example, the interplay between fuel cell failure modes and the probability of a fire occurring depend on many factors which can only be established through full-scale testing.

In addition, secondary effects such as fuel leakage contributing to on-board fires, and damage to other systems require further study. Incendiary functioning experiments and ballistic impact studies on installed fuel cells and on redesigned fuel cells equipped with reticulated foams or shock-attenuation devices will be conducted.

In all tests, the damage to components, to the complete system, to the airframe, and secondary effects to other systems will be recorded and analyzed. The data gathered will be used for designing aircraft fuel system components with inherent survivability.

Phase II Objectives
In phase II, Survivability Equipment Research and Development, the effort will be in four general areas:

- Determination of the mechanics of fuel-fire ignition and propagation.
- Analysis of the vulnerability of fuel systems and determination of the components, materials, and techniques that will require redesign.
- Design, fabrication, and testing of promising concepts,

materials, and techniques for improving survivability.

•Performance of RDT&E for new fuel components.

Because Phase II will require the collection of an enormous amount of data, major design work is not expected to begin until early in fiscal year 1971. However, a series of studies, presently underway for the experiments, and designs are A-4, A-7, and F-14 aircraft.

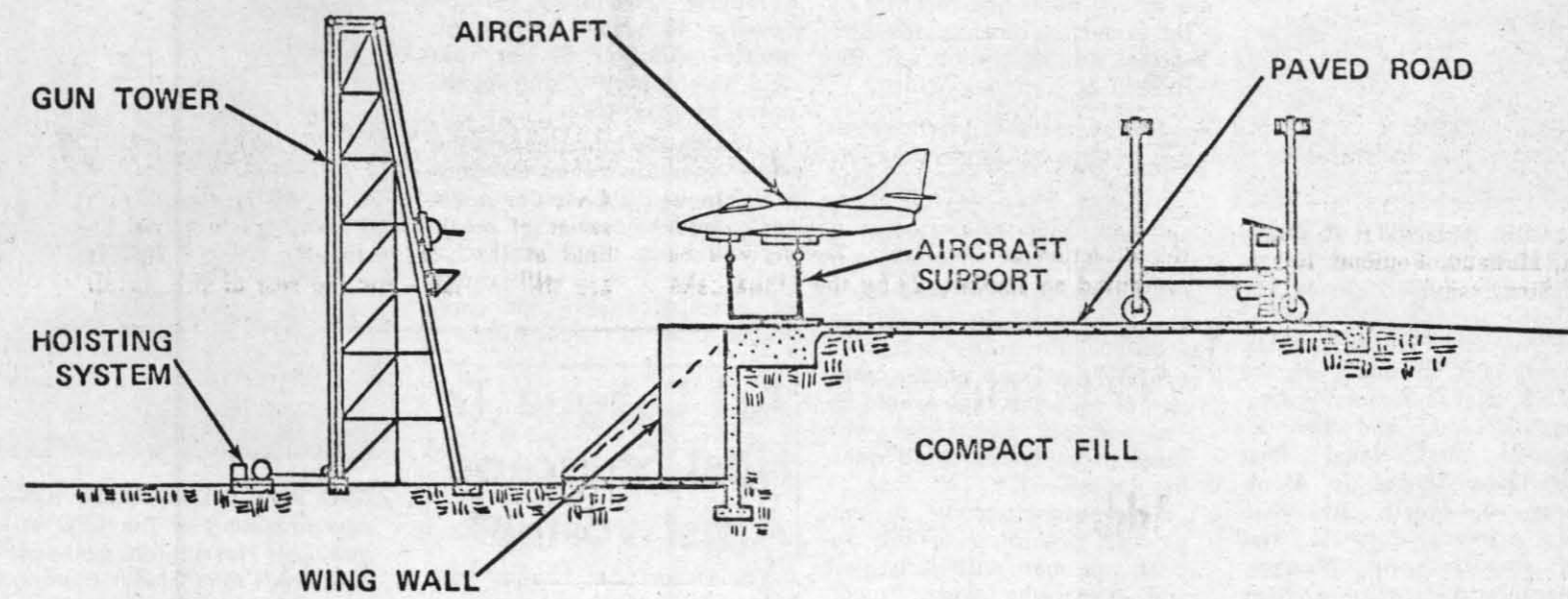
Located at K-2
The permanent aircraft survivability facility is located at the K-2 ground range, six miles east of the Naval Air Facility and eight miles from Michelson Laboratory.

When completed this summer, it will be the best equipped aircraft survivability facility in the nation. It will be the only facility able to accommodate a 100,000-pound full-

(Continued on Page 7)



AIRCRAFT SURVIVABILITY COMPLEX—Pictured in foreground is the compound which includes the instrumentation building and pre-test checkout pad for full-scale aircraft and their instruments, target systems, and engines. In the background are F-89, F-86, and A-4 test aircraft which represent the type aircraft that will be used to gather data for the program. The six-acre area provides parking for 35 aircraft and storage for portions of airframes, structural parts, components & bulk spares.



MAIN TEST SITE—The above sketch shows details of the main test site for the aircraft survivability studies which is now under construction. Included will be a gun tower and an aircraft support stand that will accommodate a 100,000-pound

full-scale aircraft running at thrusts up to 50,000-pounds, and a mobile aircraft lifting vehicle, that will be used to transport and place test vehicles. Construction is expected to begin in the near future.



VISITORS BRIEFED—Program manager Jerry Reed briefs Survivability Conference attendees at the entrance to the aircraft storage area at Code 3051's aircraft survivability gunfire range. Left to right, the attendees were: Chick Walden, Dale Atkinson, Tom McCants, Henry Morrow, Jim Bujac, Millard Mitchell, Walter Thompson, Arthur Churchill, and George Linsteadt, who served as co-chairman. —Photo by PH2 M. F. Krause

Vienna Academy Chorus Makes Stop At China Lake

Singers Currently On 7th U.S. Tour

The second in a series of concerts sponsored by the China Lake Civic Concert Association will be presented at the Center Theater, Wednesday, January 28, when the Vienna Academy Chorus, under the baton of Dr. Xavier Meyer, world-renowned choral conductor, takes to the footlights for an 8 p.m. concert.

F. A. Chenault, ticket sales manager for the Association, stated that good season tickets are still available.

The Vienna Academy Chorus, well known for its many recordings as well as for its frequent concerts around the world, is currently on its seventh tour of the United States.

The Chorus which is composed of 24 male and female members who are each graduates of the illustrious Academy, has an extensive repertoire which ranges from the oldest to the most modern of international choral literature, with special attention given to Austrian music. Well known composers represented in their repertoire include Monteverdi, Buxtehude, Byrd, Josquin des Pres, Bach, Handel, Beethoven, Brahms, Bruckner, Grieg, Haydn, Mendelssohn, Mozart, Schumann, the Strausses, Hugo Wolf, Schonberg, Webern, Britten, Bartok, Copland, Debussy, Hinemith, Honegger, Kodaly, Orff, Milhaud, Poulenc, Ravel, and Stravinsky.

They have performed world premieres and first performances of well over one hundred works of known composers.

In addition, the chorus has a long list of recordings to their credit—more than fifty—some of which have been under the direction of conductors such as Otto Klemperer and Herman Scherchen, and they have had numerous performances on radio and television.

Tickets for the balance of the Concert Association Season, which includes the Vienna Academy Chorus, an outstanding young pianist, David Bar-Illan, and finally a full, nationally prominent symphony orchestra, the Utah Symphony, are \$13, \$11 and \$9 depending on seat selection, with half prices for students and for enlisted personnel and their wives. Single performance tickets, which can be purchased only by Concert Association members, are \$6 for all seats, with half prices as above.

Tickets may be obtained from F. A. Chenault, Sales Manager, from Mrs. David Chapman, President of the Board, or from Board members Mrs. B. A. Breslow, Mrs. L. R. Housden, Mrs. R. A. Jones, K. Okauchi or H. E. Bennett. They may also be purchased at the door on the night of the performance.

The American Association of University Women is sponsoring a reception for members of the Vienna Academy Chorus at the Commissioned Officers Club at the Center immediately following the performance. Concert patrons are urged to attend.



SECOND PRESENTATION—The world-renowned Vienna Academy Chorus, under the direction of Dr. Xavier Meyer, will be presented on January 28 by the China Lake Civic Concert Association, as the second in a series of outstanding offerings that will be held at the Center theater. Season tickets are still available for the rest of the series.

Aliens Required To Report Local Address in Jan.

Aliens in the United States or its possessions on Jan. 1 of each year, who have been registered, fingerprinted, and issued alien registration cards, are required by law to report their addresses to the Attorney General during the month of January.

This report is required even though the alien has not changed his address since the last report. A registered alien who is temporarily absent from the United States on Jan. 1 must report his address within 10 days after his return.

The Address Report Card may be obtained from any United States Post Office or any Immigration and Naturalization Service Office. It should be filled out and returned to the clerk from whom it was received.

A registered alien who willfully or inexcusably fails to report his address is subject to serious penalties, including deportation.

Club Chaparral

Mike Weinberg, manager of the Club Chaparral, has announced that two different bands will entertain at the Club this weekend. "The New Gents," are scheduled for Friday, from 9 p.m. until 1:30 a.m., and "The Rubber Band" will play for club-goers on Saturday, also from 9 p.m. until 1:30 a.m.

Help Line Inc.
Crisis Intervention
CALL 446-5531



RECEIVES ADVANCEMENT—Lcdr. John N. Milliken, Jr., an Assistant Technical Officer assigned to Surface Weapons Control Facility, Code 3042, has his new LCDR. epaulets pinned on by his wife, Wanda, and brother, ATN3 L. Duncan Milliken, who is assigned to VX-4 Point Mugu. Lcdr. Milliken was first stationed at NWC from 1962 to 1966, and returned here November 3, 1969, following a tour of duty aboard the USS Long Beach. The Millikens reside at 248 Graaf St., in Ridgecrest.

NWC Engineer Obtains UCLA Master's Deg.

Fay A. Hoban will be awarded a Master's degree in Engineering from the University of California, Los Angeles at its January 1970 convocation. Hoban obtained a BS degree in Mechanical Engineering from the University of Ne-



Fay A. Hoban
braska in 1964 after which he started his career at NWC as a Junior Professional. From 1964 to 1967 he continued his academic training through the UCLA extension and Graduate Program and was awarded an NWC fellowship in 1968 to pursue studies in Dynamics at UCLA.

His final requirement for the Master's completed in December by passing a comprehensive examination on Nonlinear Structural Analysis of Multi-Story frames.

He is currently employed by the Design and Development Branch, Code 3012, of the Systems Development Department.

Hoban, his wife Patricia, and their five children, Michael, Suzanne, Diane, Sharon, and Joanne live at 54A Hubbard Circle, China Lake.

Summer Employment Exams March 14

The final Summer Employment Examination will be administered nationwide on March 14. The deadline date for filing for this examination date is February 4. Applications postmarked after February 4 will not be accepted by the Civil Service Commission. Students who choose to use their score from the 1969 examination instead of retaking the test must also update their file with the Civil Service Commission by February 4.

Students who are eligible to apply under the grade point provisions (completing their Sophomore year by June 1970 and who have a 3.5 g.p.a. in any major or a 3.0 g.p.a. if they are majoring in engineering, physics or chemistry) may apply until March 14, 1970.

Information and forms may be obtained from the Employment Division, Building 34, or by calling the Summer Employment Coordinator, Extension 72217.

IN AN EMERGENCY
CALL:
446-3333