

Former NAF Exec Officer
Guards Against Pollution

When Denman "Denny" Knight was Capt. Jack Hough's Executive Officer at NAF in 1963-1964, he helped to run a "taut ship."



Denman Knight
Wash., and as such he's busy these days cracking down on Yakima County sanitation violators.

Residents in that city far to the north of China Lake are feeling the same strength of character and driving personality that Knight brought to his duties at NAF.

Tryout Dates
Set by China Lake Players

The China Lake Players will hold tryouts on Wednesday, Thursday and Friday of next week, Sept. 6, 7 and 8, for "Lovers and Other Strangers," a four-vignette comedy that is slated for production during the latter part of October.

themselves in the middle of an all-out clean-up campaign. In King County, Knight closed up markets and other food establishments for one or two months while they corrected sanitation problems.

Newcomers To
Hold Fashion
Show Sept. 12

The Indian Wells Valley Newcomers Club will present a fashion show at the group's next regular monthly meeting, Tuesday, Sept. 12, at 7:30 p.m. in the Sidewinder Room of the NWC Community Center.

Entitled "Fashions on Parade," the show will feature the newest and latest line of clothes for fall and winter, provided by Gaylinn's Clothesline, in the Midway Shopping Center, Ridgecrest.

Completes First Solo Flight

As Travis Cox (top) steps down from the China Lake Navy Flying Club's training aircraft, his instructor, Wes Hobbs is there to congratulate him. Cox just completed his first solo flight, the first big step in a student's training.



STUDENTS OF THE DANCE — Little ballerinas are among the members of the China Lake Ballet Society, an organization formed to promote understanding and knowledge of the dance in youngsters of all ages.

Membership Coffee Set
On Sept. 12 by WACOM

The Women's Auxiliary of the Commissioned Officers' Mess will hold its annual membership coffee on Tuesday, Sept. 12, at 9:30 a.m. at the COM.

Mrs. George Burdick and Mrs. Richard Wright are co-chairmen for the event, entitled "Rally 'Round for the People's Choice."

Dance Slated
Friday Night At
Officers' Club

The "Younger Half" will play for a dance tonight at the Commissioned Officers' Mess from 9 p.m. until 1:30 a.m.

Roles Open In
Production Of
'Guys and Dolls'

Florence Green, who will direct "Guys and Dolls" for the Community Light Opera and Theater Association this fall, has announced that tryouts will be held Sept. 12, 13 and 14 in the old Davis Hangar, located at the corner of Upjohn Rd. and South China Lake Blvd. in Ridgecrest, beginning at 7:30 each night.

SHOWBOAT

MOVIE RATINGS
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

"THE GREAT NORTHFIELD MINNESOTA RAID" (92 Min.)
Cliff Robertson, Robert Duvall
(Western-Drama) Failing to secure amnesty from the Missouri legislature, the outlaw gang led by Cole Younger and Jesse James decides to rob the "biggest bank west of the Mississippi" at Northfield, Minnesota. (PG)

SeaBees Conduct Field Exercise
Here Before Heading Overseas

A 10-day field exercise—one of the final steps in preparation for deployment overseas—was carried out recently in the Bircham Springs area of the Naval Weapons Center's north ranges by a 13-member SeaBee team from Port Hueneme.

Entries Due
For Annual
Fair Parade

Entry deadlines for participation in the fast-approaching 22nd annual Desert Empire Fair are now at hand.

Tryouts Will Be Held at the
Players' Hut, 405 McIntire St.,
beginning at 7 p.m. all three nights.

Members of this all-volunteer unit, designated SeaBee Team 418, underwent a total of 19 weeks of comprehensive training preparatory to leading an 8-month-long civic action program on the Island of Yap, one of the U.S. Trust Territories in the Caroline Islands.

Adm. Suerstedt
To Command NWC

The Chief of Naval Personnel announced Wednesday that Rear Admiral Henry Suerstedt, Jr., Deputy Commander, Plans and Programs and Comptroller, Naval Air Systems Command, Washington, D. C., will relieve Rear Admiral W. J. Moran as Commander, Naval Weapons Center.



VX-5 WELCOMES NEW SKIPPER — Members of an honor guard from Air Test and Evaluation Squadron Five (VX-5) exchange salutes with Capt. Edwin M. Crow as the latter marched out to participate in change of command ceremonies last Friday outside Hangar 1 at the Naval Air Facility.



SEABEES ROUGH IT—The northern Mojave Desert in mid-summer is hardly the ideal place for camping out, but a 13-member SeaBee Team did just that recently in preparation for their overseas deployment to the Island of Yap, one of the U.S. Trust Territories in the Caroline Islands.



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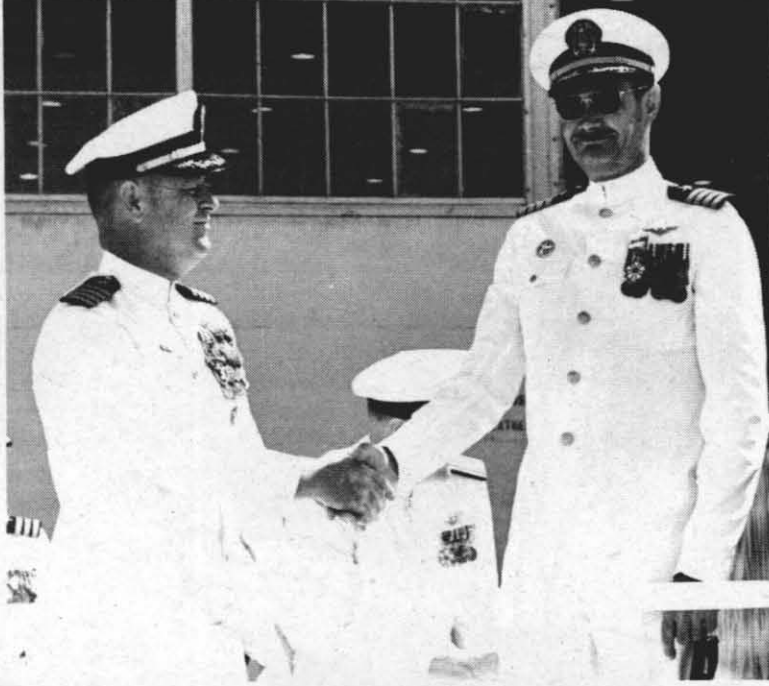
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IT'S BECOMING ROUTINE — For the third time in his Navy career of 24 years, Capt. Edwin M. Crow (at left) has stepped into a new assignment in relief of Capt. Carl "Tex" Birdwell, Jr. The most recent occasion was this past Friday when Capt. Crow replaced Capt. Birdwell as Commanding Officer of VX-5.

Table with 2 columns: Event and Value. Includes Labor Day Schedule, School Kitchen Inoperative, Concert Series Ticket Sale, Local Girl To Be on TV, Sports, College Drama Tryouts Set, WACOM Coffee Slated.

New School Year To Open,
4,000 Students Expected

Start of another school year next Tuesday will find an estimated 4,000 students in the kindergarten through twelfth grade occupying classroom seats at Burroughs High School and on the various campuses of the China Lake Elementary School District.

Because of two holidays (Labor Day on Monday and Admission Day on Friday) the first week of the 1972-73 school year will be reduced to just three days of classroom instruction.

At Burroughs High, classes will get under way at 8:25 a.m. on Tuesday. All students previously registered will be able to pick up their schedule of classes beginning at 8 a.m. in the quad area of the high school campus.

Any students newly arrived in the local area and not yet registered should report to the counselling office at Burroughs for instructions.

The regular school day will begin at 8:25 a.m. and classes will be dismissed at 3 p.m. Copies of the bus schedule, which will remain the same as that followed last year, can be obtained at the high school administration office.

Should any changes in bus transportation be necessary, due to a shift in student population, they will be made after there has been a chance to study the need for such a move.

The Burroughs High School staff, 78 strong including administrators and counselors, will include eight new teachers as well as a new librarian. The new faculty members, and the courses they will teach, are:

David Bens, driver training and education, and head wrestling coach; Miss Deborah Becker, remedial reading; Mrs. Christine Brinton, health and homemaking; Miss Janice Lindgren, general

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 652, Extension 2069. Current applications (SF-171) or Standard Form 172 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 employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Mechanical Engineer, GS-830-7 thru 12 or Aerospace Engineer, GS-861-7 thru 12, PD No. 7245101, 1 Vacancy, Code 45702—This position is located in the Structures Group, Propulsion Systems Division, of the Propulsion Development Department. The function of this group is to ensure the structural integrity of components and systems being developed within the department. Incumbent will perform work in one or more of the following areas: structural design, mass properties and influence characteristics, rigid and flexible body loads, static and dynamic stress analysis, structural testing, and materials engineering. Work will include the responsibility for the planning and coordinating the fiscal and technical aspects of his assignments and for the technical liaison with both on the off center activities. Job Relevant Criteria: Experience in structural analysis of missile systems, subsystems, and components. Experience in stress analysis desirable. Ability to formulate and/or use computer programs desirable. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Machinist, WG-3414-10, JD No. 169-8, 1 Vacancy, Code 4545—This position is located in the Propellants Branch, Applied Research and Processing Division, Propulsion Development Department. Incumbent performs varied and non-routine machine work in the manufacture of a variety of experimental rocket and missile motors, igniters or their components, and plastic derived compositions. Determines on own initiative such problems as planning sequence of operations; machine setups; maintaining close tolerances while machining by remote control. Work is of sufficient variety that once problems are solved, they rarely become routine. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with CSC Handbook X-118C. Advancement Potential: Machinist (Experimental Propellants) WG-3414-11.

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925.
General Engineer, GS-801-12, PD No. 7155056, Code 5512—Serves as Quality Assurance-Quality Control (QA-QC) Specialist providing non-supervisory expertise on all matters pertaining to quality on modern and complex weapon systems. Determines quality requirements for the program(s); determines and directs weapon systems special quality assurance provisions; has contact with manufacturing plant management; and provides liaison with the head of the QA Office at NAVAIR and other various local government representative organizations. Qualification Requirements: Outlined in CSC Handbook X-118. Job Relevant Criteria: B.S. degree in science or math and experience in area of complex manufacturing processes and techniques and specific experience in the area of QA-QC and reliability techniques. Extensive knowledge of electronic and electromechanical systems and processes is desirable.

File applications for above with Joan Macintosh, Code 657, Ph. 2371.
Motor Vehicle Operator, WG-5756-08, JD No. 10-2, Code 70781—Incumbent drives straight-in-line trucks of gross vehicle weight ratings in excess of 32,000 pounds or any tractor and semi-trailer combination, or any tractor and trailer combination, or any "double bottom" combination such as truck and trailer, or tractor, semi-trailer, and trailer. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Motor Vehicle Operator, WG-5755-07, JD No. 165-3, Code 70783—Incumbent drives straight-in-line trucks of over 22,000 pounds gross vehicle weight ratings up to and including gross vehicle weight ratings of 32,000 pounds or heavy duty passenger busses, either of the "body on chassis" or "integral (transit)" types, with a carrying capacity of twenty-five or more passengers; or operates special purpose vehicles. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Electrician, WG-2805-05, JD No. 144-1, Code 70431 (2 vacancies)—Assists journeyman in accomplishing work in industrial fields such as industrial wiring, trouble shooting and shop repair. Helps install electrical

conduit used in wiring buildings. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Machinist (Maintenance) Helper, WG-5315-05, JD No. 329, Code 70423 (3 vacancies)—Assists journeyman in overhauling, maintaining and repairing machinery, shop equipment, ordnance plant processing equipment and machinery, power plant equipment, pumping plant equipment and range testing equipment. Performs simple elements of the trade alone within his ability and knowledge, including the use of journeyman tools and equipment. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Pipefitter Helper, WG-4204-05, JD No. 337, Code 70421 (2 vacancies)—Assists the journeyman in performing the duties of a pipefitter and some of the duties of a plumber. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

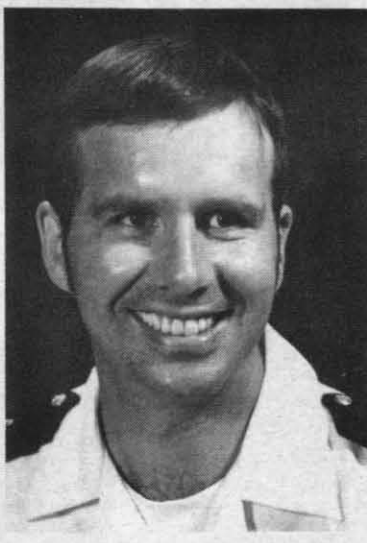
Refrigeration and Air Conditioning Mechanic (Helper), WG-5304-05, JD No. 159-1, Code 70433 (2 vacancies)—Assists journeyman in duties involving primarily installation, repair and replacement of gas fired heating equipment, refrigerated and evaporative air conditioning, and ventilating equipment. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Sheetmetal Worker Helper, WG-3806-05, JD No. 151-1, Code 70422 (2 vacancies)—Assists the journeyman in performing work with sheetmetal of 10 to 26 gauges in thickness (.019 to .125). Occasionally works with thinner metals and up to 1/4 inch in thickness. Helps in layouts, fabricates, assembles and installs and repairs objects and equipment. Incumbent will be participating in a Pre-Journeyman Development Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

File applications and Supplemental Experience Forms for above with Donna J. Jones, Code 657, Bldg. 34, Rm. 210, Ph. 2393.

Electronics Engineer, GS-855-12 or 13, PD No. 7240191, Code 40901—Designs, develops, and assures interface of CON-DOR above missile computer for airborne pod. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in computer design and development associated with airborne fire control. Experience in solid state electronics as applied to computers. Project planning experience.

Electronics Engineer, GS-855-12 or 13, PD No. 7240190, Code 4090—Designs, develops, and integrates the electro-optical guidance of all versions of the CON-DOR system. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in missile guidance and control design and (Continued on Page 7)



REPORTS TO DISPENSARY -

— Lt. Floyd J. Felton reported to the NWC Dispensary recently to assume the duties of obstetrician and gynecologist. The Laramie, Wyo., native received a BS degree in Biology from the University of Wyoming and then attended medical school at the University of Rochester in Rochester, N.Y. He was awarded his M.D. from Rochester and then served his two-year internship and one year of residency there before joining the U.S. Navy in July of this year. China Lake is Dr. Felton's first duty assignment. He and his wife, Marilyn, have two children: Gregory, 3, and Melinda, 1.

Dates Changed To Sign Up For USC Program

The registration date for the University of Southern California Public Administration program has been changed from Sept. 8 to Sept. 15. Enrollment will take place in Rm. 107 of the Training Center, from 1 to 4 p.m.

Gil Siegel, advisor for the program, will be available for counseling on the afternoon of Sept. 14 as well as on the following morning. For counseling service, those interested should call the Training Center, Ext. 2359.

CARRIER MODIFICATIONS

Some of the Navy's attack carriers (CVAs) will be modified as multi-purpose carriers (CV). The modification involves the exchange of some attack aircraft for anti-submarine planes.

Labor Day Holiday Schedule

FACILITY	OPEN	CLOSED
Barber Shop		X
Beauty Shop		X
ESB Dining Room	6:30 to 1:30 p.m.	
Michelson Lab. Cafeteria		X
CLPP Cafeteria		X
Laundry / Dry Cleaners		X
Pharmacy		X
Service Station (FEDCO)		X
Supermarket	10:00 to 7 p.m.	
Auto Hobby Shop	12 to 5 p.m.	
Golf Course	7:30 to Sunset (Closed Tuesday)	
Gym / Pool	1 to 5 p.m.	
Hall Memorial Lanes	11 a.m. to 11 p.m.	
Library	1 to 6 p.m.	
Theater	Regular Hours	
Youth Center	10 a.m. to 5 p.m.	
Exchange Service Station		X
Camping Equipment Issue Room		X
Ceramic Hobby Shop		X
Community Center		X
Electronic Hobby Shop		X
Woodworking Hobby Shop		X
Commissary Store & Navy Exchange		X
NAF Snack Bar		X
Malt Shop	Regular Hours	
Bowling Alley Snack Bar	Regular Hours	

Employee In The Spotlight

Dr. Carl F. Austin is presently involved in extensive study of rock mechanics, explosives, impact and penetration phenomena, undersea construction, and the interpretation of geothermal deposits.

And that's just for openers. A highly experienced and brilliant geologist, Dr. Austin has worked at nearly all aspects of mining. He has been a mucker, rotary tippie operator, draftsman, roddman, track gang laborer, and has put in time as a timberman and contract miner.

Born in Oakland, Calif., he grew up in the Marin County area where he developed his interests in mineralogy and natural history while still a youth.

Carl attended the College of Marin in Kentfield, Calif., and then transferred to the University of Utah, Salt Lake City, where he was awarded a Bachelor's degree in mining engineering in 1954, a Master's degree in geological engineering in 1955, and a Ph.D. in geological engineering in 1958.

His employment while attending the University of Utah included working with the U.S. Atomic Energy Commission, the U.S. Smelting, Refining and Mining Co., U.S. Vanadium Co., and the Kennecott Copper Corp., and others.

Receives Degree

After receiving his Bachelor's degree, Carl began study as a research fellow at the Utah Engineering Experiment Station, Salt Lake City, under a grant to conduct research in geochemical prospecting for replacement ores in limestone host rocks.

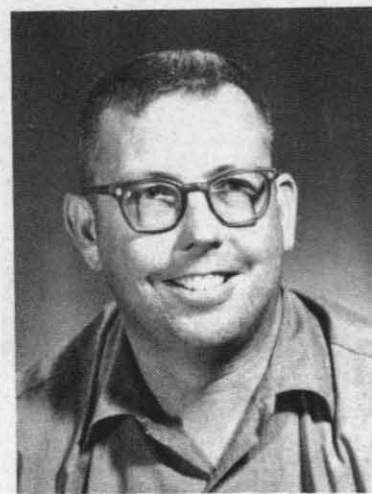
That got him the Master's degree. Then he joined the Union Carbide Nuclear Co. as an engineering assistant and worked for them until September 1955, when he was again awarded a research grant from the University of Utah—this time to conduct research in geochemical prospecting for base metals in silicified limestones.

From June to September 1956, he worked with the Anaconda Co., Salt Lake City, as a mining geologist, and then was awarded a third fellowship from the University of Utah. Until June 1957, he conducted research in the field of geochemical prospecting again, and then for the summer took employment as a primary geologist with the Union Carbide Nuclear Co., Grand Junction, Colo.

From September 1957 to June 1958, Dr. Austin again worked as a research fellow and after another summer job working with the University of Utah's experimental mine he put in one more school year (September 1958 to June 1959) as a research fellow. This time he stayed on as an associate mining and geological engineer with the New Mexico Bureau of Mines and Mineral Resources, Socorro, N.M., from June 1959 to February 1961.

Among other duties, he taught economic geology and petrogenesis at the graduate level, and conducted lead-isotope studies.

Dr. Austin came to NWC in February 1961 as a research geologist in the Detonation Physics Division, Research Department. His duties were to establish and carry out a program of applied



Dr. Carl F. Austin

research in rock and earth dynamics in support of explosives ordnance, and to conduct geologic studies in support of NWC objectives.

One of the things he enjoys doing at NWC is conducting examinations of disputed mining properties for the United States Attorney. He also serves as the geologic expert for the Bureau of Land Management in administrative proceedings on the validity of contested mining claims.

He has taught courses for UCLA and for the Desert Campus of Bakersfield College. This fall he will be teaching a class in prospecting. He also taught a course in desert safety for the California State Department of Fish and Game.

With his wife, Barbara, Carl wrote a book entitled "Common Sense in Desert Traveling," which has become almost a bible for those who go out into the desert on exploration trips. Included in the book are many common sense suggestions on exploration of old mines, survival on the desert and travel preparation.

Active in Community

He is active in his community and church, having held such positions as trustee of the Maturango Museum, president of the Rotary Club of China Lake, lieutenant in charge of mine rescue for the Indian Wells Valley Search and Rescue Group, and general consultant for the local Civil Defense organization. Carl also is an elder in the Church of Latter Day Saints.

He holds memberships in Tau Beta Pi, Sigma Xi, RESA, AOA, and the AIME. In addition, he is a registered professional geologist in the State of California.

His family, Miram, Carl, Jr., and Richard, along with Barbara, assist him in running Cedarsage Farm, a family enterprise located near Inyokern, where they raise dairy goats, vegetables and other farm products.

Concerts...

(Continued from Page 4) story of "Othello." The dance group is well known throughout the world's major concert centers for its interpretations of dance.

For the final concert, Nana Mouskouri, Greek songstress, will spin her web of mood and music on Thursday, April 5. Miss Mouskouri sings in Greek, French and English.

Anyone desiring further information regarding tickets is asked to call Carroll Evans, ticket manager, at 446-3511, or 446-4182.



BENEFICIAL SUGGESTION AWARDS—Employees of the Public Works Department's Maintenance Utilities Division received monetary awards and letters of commendations for their contributions to the Beneficial Suggestion program during a recent awards ceremony. The recipients, who were congratulated by Capt. W. H. Sturman (standing, at right), department head, were (from front, l.-r.) George Gibson, Charles Evans and Donald Willett. Standing are (from left) Ervin Plunkett, Gerald Jones, James Baldwin, Robert Babines and Neil LaFortune. The top monetary award (\$180) went to Plunkett for his idea of equipping a dump truck used for hauling tree limbs with an extension ladder, while LaFortune received \$155 for developing a gas service device. Baldwin and Babines shared a \$90 award for installing a bell system in the Michelson Laboratory machine shop; Evans was awarded \$30 for proposing the installation of an emergency exit in the pump house, and for devising an emergency feed to the boilers, a \$25 award went to Gibson. Willett and Jones were both recipients of letters of commendation. Willett suggested the installation of a meter and a tachometer for a boom truck, and Jones' idea on the use of a "Magic Scope" has helped to improve welding operations.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

development. Expertise in electro-optical seeker systems. Background in technical design cognizance and project planning.

Electronics Engineer, GS-855-12 or 13, PD No. 7240189, Code 40901—Integrates control and communications of CON-DOR pod subsystems into an all-up pod. Coordinates the work of subsystems in the interfacing with other weapons systems elements. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Progressive experience in missile guidance and control systems. Expertise in solid state electronics as applied to guidance computers, receivers and servo controls. Project planning experience.

Electronics or Mechanical Engineer, GS-855-12 or 13, or GS-830-12 or 13, PD No. 7240188, Code 40901—CON-DOR project team leader for the integration of missile sub-systems into a complete missile system. Coordinates the efforts of sub-system engineers and interface with other weapon system elements. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Project work experience at the missile system level. Working knowledge of guidance and control systems, rocket propulsion, aerodynamics and structures.

Contact Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2676.
Electronics Technician, GS-854-7, PD No. 7250086, Code 5071—Position is located in the Electronic Design and Fabrication Branch, Engineering Division. Incumbent will wire and

assemble electronic devices; compile parts lists; make printed circuit board material for printing and subsequently assemble component boards; makes physical layouts of component boards; cables and associated mechanical hardware of simple electronic devices prior to fabrication. Job Relevant Criteria: Ability to utilize practical knowledge of electrical theory and principles of physics and mathematics. Working knowledge of electrical and electronic symbols and terminology. Manual dexterity to work with very small parts. Understanding of solid state circuitry. Minimum Qualification Requirements: Two years of general and three years of specialized experience as defined in the X-118.

Technical Manuals and Specifications Writer, GS-1043, PD No. 7250087, Code 5072—Prepares and issues official weapons specifications, air specifications and manuals such as handling and maintenance manuals, manufacturing data, manufacturers' inspection procedures, etc. for the use of government inspectors, manufacturers, and/or the armed services. Job Relevant Criteria: Working knowledge of manufacturing processes and test procedures commensurate with component manufacture. Knowledge of Navy documentation procedures. Ability to communicate effectively with engineering personnel. Ability to express engineering terms accurately in writing. Minimum Qualification Requirements: Three years of general and two years of specialized experience as defined in the X-118.

Mail and File Clerk (Typing), GS-305-4 or Clerk (Typing), GS-301-3, PD No. 7250048, Code 50—Processes Fuze Department's incoming and outgoing mail. Assists in maintaining files and in the recording of accountability for classified documents. Job Relevant Criteria: Ability to work independently. Must be able to type. Ability to deal effectively with people. Knowledge of mail and file. Minimum Qualification Requirements: One year of general and one year of specialized experience for the GS-4; one year of general for the GS-3 as defined in the X-118.

Contact Pat Gaunt, Bldg. 34, Rm. 202, Ph. 2723.
Travel Clerk GS-2132-03, PD No. 185013-1, Code 8517—This is a trainee position. Duties include arranging travel by a variety of routes and carriers, screens travel requests and travel orders, estimates per diem, mileage and transportation costs, etc. Job Relevant Criteria: Ability to type, but not required to be qualified typist, ability to meet and deal with the public. Minimum Qualification Requirements: As outlined in X-118. Advancement Potential: Travel Clerk GS-5.

File applications with Dora Childers, Code 657, Rm. 212, Ph. 2514.
Supervisory Aerospace Engineer, GS-861-13 or Supervisory Mechanical Engineer, GS-830-12, PD No. 7245100, 1 Vacancy, Code 4575—This position is that of head, Applied Technology Branch, Propulsion Systems Division,

Propulsion Development Department. The function of this branch is to conduct exploratory, advanced, and engineering development on components and systems for the generation, conversion, and control of thermochemical energy. The incumbent of this position will provide the technical leadership and guidance required in maintaining a strong capability in the areas of gas generation (solid and liquid), battery, fuel cell, actuation (both pneumatic and hydraulic), and control systems analysis and design. He will provide leadership and direction in expanding non-propulsive applications of liquid propellants such as laser devices and liquid guns, and in enhancing the branch's capability to respond to development needs in liquid propulsion. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Background in aerospace or mechanical engineering desired. Five years of progressively responsible experience in the design and development of propellants and related propulsion systems. Demonstrated ability to work effectively with NWC and DoD sponsors desired. Demonstrated ability to establish direct, and to provide leadership for complex technical programs. Advancement Potential: to GS-14 based on demonstrated ability to perform at that level.

File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925.



SIGNS UP FOR 3 MORE—In a recent re-enlistment ceremony held in the office of Capt. R. E. McCall, former Commanding Officer of the Naval Air Facility, ADJ1 John E. Wilhorn signed up for 3 more years in the Navy. He has been a Navyman for over 9 years, and came to NAF in July 1969. While here ADJ1 Wilhorn has been serving as the NAF Galley Master at Arms.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake Lake, California

RAdm. W. J. Moran, USN
NWC Commander

H. G. Wilson
Technical Director

C. E. Van Hagan
Head,
Technical Information Department



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1000
Senior High Sunday School, Annex 95 0830
College & Adult Sunday School, Annex 4 0830
(across from Station Restaurant)
Other classes held during school year only.
Communion Service first Sunday of the month.

ROMAN CATHOLIC
MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL
MASS
Daily except Saturday 1135
First Friday only 1135 1700

CONFESSIONS
Saturday 1545 to 1645
Sunday 0800 to 0925

CCD CLASSES
During School Year.
Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES
EAST WING - ALL FAITH CHAPEL
Services discontinued during the summer.

UNITARIANS
CHAPEL ANNEX 95

PH1 D. C. Manderscheid, PH2 G. L. Taylor,
PH3 D. W. Yeatts
Staff Photographers

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 by a commercial firm in compliance with NavExos P35, revised July 1958. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.

Phones 3354, 3355, 2347 Sunday Services 1930

Spotlight On Sports

By Rick Jackson



The China Lake Intramural Flag Football season will soon begin at NWC and will undoubtedly hold as much excitement for local fans as any professional game could.

The men here on the Center possibly rate more credit than the pros because they play strictly for the love of the game without the inducement of monetary gain that is displayed in the professional leagues.

And the coaching staffs deserve just as much credit as do the players. Although some of them don't feel that they can play, they do follow the game closely enough to qualify for the positions of coaches and managers.

Last season, the NAF Hawks took the No. 1 spot here at NWC. The Hawks played with an extreme amount of professionalism and teamwork that is only possible through stiff competition.

The Hawks came through the season with five wins and only one loss, and then went on to represent the Naval Weapons Center in the Mojave Desert Interservice League (MDISL) Flag Football Tournament, held at Twenty-nine Palms.

The Hawks did not win the tourney, but they did bring home third place and the consolation championship.

We will surely see plenty of the same outstanding play this year. The effort put forth by the players is immeasurable and this year, perhaps the Center can knock off a championship in the MDISL tourney.

Turnout and support your team. There's nothing that builds a team's morale more than to have a good cheering section behind it.

New Equipment Added To Weight Room at NWC Gym

The Center gymnasium weight room was recently enhanced by the installation of Isonetic exercise equipment, to be used primarily for physical conditioning programs dealing with resistive exercise.

The new equipment, developed through the efforts of doctors and physical therapists for use by all persons, lessens some of the dangers of lifting weights known in the past.

When a weight has reached the extension of the arm, it puts reverse pressure on the joints, thus compacting them and many times causing structural damage to the bones. The Isonetic machines make this impossible by using hydraulic pressure.

Resistive exercise deals with the body performing a certain amount of work while undergoing some type of restraint. Gymnasium personnel recently went through training classes, instructed by Cliff Coker, noted expert on resistive exercise, who lectured and demonstrated the use of the

machines in various types of programs developed through medical research.

These programs, designed for women as well as men, regardless of age, have been developed for businessmen, athletes, body builders and persons who just wish to maintain their present physical condition.

Through use of the program, the pulse rate of the heart can be reduced and thereby lighten the work load of this vital organ and at the same time strengthen the heart, thus reducing the chance of a heart attack.

Programs for athletes training to compete in all sports are available, ranging from track and field to golf, swimming and badminton. A check with the gym personnel on the use of the machines for the particular type of program desired will bring forth a list of exercises designed to be performed within a time limit and number of repetitions according to the amount of resisted pressure set on the machine.



FIREMEN TAUGHT TO USE NEW EQUIPMENT — Cliff Coker (right, white shirt), noted expert on resistive exercise, instructs NWC firemen in the use of the new Isonetic exercise equipment recently installed in the Center gymnasium. The equipment will allow Centerites to exercise more rapidly while still doing a full workout. According to Coker (as he demonstrated during the four days of instruction sessions) a man can perform 11 different exercises in just a little over 7 minutes and complete a workout that would normally take two to three hours on regular weight lifting equipment. All members of the gymnasium staff have been trained in the proper use of the new machines and stand ready to instruct interested NWC personnel in their use.



A DEVASTATING GROUP—The "Devastators," winners of the China Lake Intramural Golf League, pose for a victory photo in the clubhouse following the final night of competition. The team posted a record of 30.5 wins and 13.5 losses to win the league by 3.5 points over the second place Mulligans. Team members are, from left: Duane Blue, Jim Bradberry, Ted Bates, Louis Renner and Ron Morey. Milt Wolfson, another member of the team, was unable to be present for the photograph. The Devastators won a .694 clip to take the title.

Championship Tourney Set By China Lake Golf Club

The 15th running of the annual China Lake Golf Club Championship will take place on two consecutive weekends—Sept. 9-10, and 16-17.

Curt Bryan, president of the club and organizer of the tournament, stated that four flights will be established: the championship flight, 1st flight, 2nd flight and 3rd flight.

The tournament format is 36 holes at stroke play and 36 holes at match play.

All of the players in the 0-11 range will compete for the club championship on a gross score basis. The top four finishers, gross, after 36 holes of play, will compete match play for the second 36 holes. The top four finishers, net score, will compete on the final weekend for the 1st flight championship.

The 2nd flight, composed of golfers in the 12-15 bracket, will compete stroke play for 36 holes, with the top four net finishers to vie in match play on the final weekend.

The 3rd flight will be made up of golfers with handicaps of 16 to 36. After 36 holes of stroke play, the top four net finishers will compete for the 3rd flight title, match play, on the final weekend.

The entry fee is \$5. All players must be club members and have an SCCA handicap in order to qualify for competing in the tournament.

A registration sheet is located in the clubhouse. All golfers who plan to play are urged to sign up now, as registration will end next Thursday, Sept. 7. No late entries will be accepted.

50 Turn Out For Varsity Grid Squad

More than 50 prospective varsity football players turned out Monday for the first week of two-day conditioning drills in preparation for opening of the 1972 gridiron season.

The twice-daily practice sessions also will continue throughout next week when pads will be issued, Bruce Bernhardt, head coach of the Class A team, stated. Emphasis will be on timing of plays, pass offense and secondary coverage, and kicking.

Some 15 returning lettermen will form the nucleus of the 1972 Burros varsity football team. In addition to Bernhardt, the coaching staff includes Verl Lillywhite and Rick Pitts, who are in charge of the line, and George Ridgley, who will work with the defensive secondary and also assist Bernhardt with the offensive backfield.

On offense this year, the Burros varsity will set up in a slot formation with two split ends, and also may try to work a number of plays from the "I" formation if the coaching staff feels adequate personnel is on hand to manage this.

The varsity grid schedule calls for two non-league tilts—the first against Taft High School at Taft on Sept. 23 and the second at home on Sept. 30 against Shafter High.

The Burros' seven-game Golden League schedule will open at Lancaster against Antelope Valley High School on Oct. 6 and continue as follows:

Oct. 13 — Burros vs. Apple Valley at Apple Valley

Oct. 20 — Burros vs. Barstow at home

Oct. 27 — Burros vs. Quartz Hill at home

Nov. 3 — Burros vs. Palmdale at home

Nov. 10 — Burros vs. Victor Valley at Victorville

Nov. 17 — Burros vs. Kennedy High at home



By Jack Lindsey

On Monday night, while watching the TV coverage of the XXth Olympiad in Munich, I saw four years of dedication, work, agony and hopes slip away from Cathy Rigby in a futile gesture of team spirit.

Perhaps, in her own way, the little pig-tailed blonde from Los Alamitos, Calif., has shown the world what the Olympics is really all about. The U.S. women's gymnastic team was making its strongest showing in 24 years. In 1948, the women took a bronze medal, and this year they had another opportunity to repeat as the third place winners.

During the balance beam competition, most of the girls were scoring in the low 9s. Cathy elected to do a "safe" routine and left out an aerial, a stunt with a high degree of difficulty. If she had left the aerial in her routine and then performed it without an error, she would have undoubtedly assured herself a place in the individual finals for the balance beam. As it turned out, she felt the team needed high marks from her for the team score, so she did the safe routine and scored 9.35.

Then, understandably, she waited nervously while Ludmila Tourischeva of the Soviet Union performed on the balance beam later in the evening. The famous Russian gymnast, heralded as the greatest woman gymnast in the world, needed 9.6 to eliminate Cathy from the finals. Although she made a few mistakes and kept glancing at the beam (something Cathy never does), the Russian girl was awarded 9.75 by some evidently sympathetic judges, and all of the superhuman work Cathy has done in the past four years was for nothing.

Whether she would have won a medal or not is now only conjecture. Many say she was a "dead cinch" for a bronze, and the possibility of a silver medal loomed high. My home is full of gymnasts, three of my girls are on a gymnastic team and the tears ran deep. Cathy is their idol.

Now, she is mine. Cathy Rigby, I salute you.

On Tuesday only, no lunch will be served for the district's seventh

School Year To Begin...

(Continued from Page 2)

Completion of remodeling and renovation work at Vieweg Elementary School will enable the district to have all of its neighborhood schools back in operation for the coming school year — after a year of being forced to use huts at Murray and Groves School while improvements were being made at both Richmond and Vieweg Schools.

Prior to the start of classes on Tuesday, parents of youngsters who will attend kindergarten and junior primary classes will be contacted by post card or telephone informing them where and at what time their children should report to school on the opening day.

First, second and third graders assigned to Richmond and Groves School will be in class from 8:30 a.m. to 1:40 p.m.

In the case of primary grade youngsters at Pierce School, their daily schedule will be 8 a.m. to 1:15 p.m. for first graders, and 8 a.m. to 1:30 p.m. for those in the second and third grades.

At Vieweg School, first and second graders will be in school from 8:30 a.m. to 1:35 p.m., and the school day for third grade pupils will be from 8:30 a.m. to 2:25 p.m.

The schedule for fourth and fifth grades calls for students at Richmond and Vieweg Schools to be in class from 8:30 a.m. to 3 p.m.; those at Groves School will follow an 8:30 a.m. to 2:45 p.m. schedule, and Pierce School fourth and fifth graders will be at their studies from 8 a.m. to 2:25 p.m.

The school day for sixth graders will vary as follows: Richmond and Groves Schools, 8:30 a.m. to 3 p.m.; Pierce School, 8 a.m. to 2:45 p.m. and at Groves School, 8:30 a.m. to 2:45 p.m.

With the exception of the first day of school on Tuesday, Murray School seventh and eighth grade classes will be in session regularly from 8 a.m. to 2:55 p.m.

Tuesday, Sept. 5, will be a half-day session (8 a.m. to 12:35 p.m.) for seventh and eighth graders, who will assemble at the Kelly Field bleachers, where they will get their homeroom assignments and receive general instructions covering the remainder of their minimum day schedule.

On Tuesday only, no lunch will be served for the district's seventh

Dove Hunting Season Opens

The California Fish and Game Commission has adopted a split 46-day statewide dove hunting season and separate 30-day straight band-tailed pigeon seasons for the northern and southern areas.

Seasons and limits are substantially the same as those for last year, with a dove limit of 10 per day, 20 in possession after opening day, and a band-tail limit of eight per day, eight in possession.

The dove season opens today and will continue through Saturday, Sept. 30, then reopen statewide Saturday, Nov. 25, and run through Sunday, Dec. 10.

In the northern area the band-tailed pigeon season will open Saturday, Sept. 30, and close Sunday, Oct. 29. The season in the balance of the state will be Saturday, Dec. 16 to Sunday, Jan. 14, 1973.

and eighth grade students.

There are just two new additions this year to the staff of the China Lake Elementary School District. They are Mrs. Shirley Helmick, vocal music instructor, and Mrs. Zonelle Hardy, librarian at Vieweg School.

Groves School Kitchen Not Yet Operative

For at least the first week of the new school year, parents are requested to send sack lunches with their children who will be attending Groves, Richmond or Vieweg Schools, or have them come home for lunch.

Construction difficulties in the rehabilitation of Groves School will make it impossible to use the kitchen at least throughout next week. Since the kitchen at Groves School is used for the preparation of food for both Richmond and Vieweg, these two schools also are effected.

Milk will be available for those bringing sack lunches to school. Parents will be notified by the schools when regular cafeteria service once again is available.

In order to streamline service to students, and reduce management costs, lunch tickets and cards will be discontinued in all schools this year. All sales, except those for kindergarten milk, will be handled on a cash basis with money for lunches collected in the school cafeterias at noon.

As in preceding years, parents of kindergarten children will be billed for milk on a semester basis.

Students who have meal and milk cards or tickets left over from last year may use them in the cafeteria any time during September, school district officials added.

The district will continue its policy of providing free lunches for needy students. Parents may obtain immediate information regarding his matter by contacting either the principal at the school their children attend or the district's food service director.

A letter will soon be sent to all parents explaining eligibility standards and application procedures for the free lunches.



3 DECADES OF SERVICE — A 30-year Federal service pin was awarded recently to Cass Roquemore, an electronics technician in the Missile Range Branch of the Electronic Systems Department's Radar Division. Roquemore (center) is shown receiving this token of his lengthy service (26 years at China Lake and 4 years in the Marine Corps) from Frank St. George (at right), his division head, while LeRoy Riggs, department head, looks on. A visit to China Lake to see a cousin in 1946 led to Roquemore's employment here as a general helper on the K-2 range and he has received training which has enabled him to move up the ladder to increasingly responsible positions since that time.



FOR JOB WELL DONE — A Legion of Merit, the Navy's second highest non-combatant award, was presented last Friday to Capt. Carl "Tex" Birdwell, Jr., former Commanding Officer of Air Test and Evaluation Squadron Five during the VX-5 change of command ceremony. The medal and its accompanying citation were presented by Rear Adm. M. C. Carmody (at left), Commander, Operational Test and Evaluation Force, Norfolk, Va., who commended Capt. Birdwell for "a superb job, well done," after citing the squadron's accomplishments during the time it was under the command of Capt. Birdwell.

DEF Parade Entries Due...

(Continued from Page 1)

floats; marching units; novelty non-equestrian entries, and groups or individuals with decorated or antique vehicles.

In addition to parade entry forms that are due today, those who wish to compete in the handicraft, domestic and fine arts competition at this year's fair must bring their entries to the new exhibit building at the fairgrounds next Wednesday, Sept. 6, between 5 and 9 p.m.

According to Mrs. Sally Partin, chairman of the Desert Empire Fair's art and home economics competition, entries in the following divisions will be accepted: Art, ceramics, models, handicraft, knitting and crochet.

ting, rug making, sewing, needlework and liquid embroidery.

In addition, Mrs. Partin noted that food items prepared for judging at the fair will be accepted on Saturday, Sept. 9, from 9 a.m. to 1 p.m. at the new exhibit building.

This latter category will include canned foods, preserves, honey, plain and decorated cakes, breads, cookies and fresh fruits and vegetables.

Former Local Girl Tapped For NROTC Program

Debra S. Jones, daughter of Lt. Bernard M. Jones, USN (Ret.) and Mrs. Jones, former local residents now living in Grants Pass, Ore., is one of 16 young women in the United States to be selected recently as a principal candidate for the first women's Naval Reserve Officer Training Corps (NROTC) program.

A 1972 graduate of Grants Pass High School, where she also received a National Honor Society Scholarship of \$400, Miss Jones will participate in the NROTC program at the University of Washington in Seattle.

Miss Jones entry in the NROTC program will be carrying on a family tradition of Navy service. Not only is her father a former Navy officer, but she also has a stepbrother, Lt. Ralph Foulks, who is a Naval aviator. The latter has been listed as "missing in action" in Vietnam since his plane went down in January 1968.

Old timers here may remember that while he was a student at Burroughs High, young Foulks was chosen to represent this area as a foreign exchange student to Germany in 1960.

Limit Placed On Parking Of Autos for Sale

Center employees with automobiles, boats, trailers, campers, motorcycles, etc., for sale are advised that they may no longer park such vehicles in two locations presently being used for that purpose.

Effective Tuesday, Sept. 5, any vehicles for sale parked for display at the extreme west end of the Station Restaurant parking lot, or in the Exchange Service Station parking lot east of the Main Gate, will be cited.

Owners of such vehicles are advised by the Police Division of the NWC Security Department that instead they may use only the parking lot at the northeast corner of Schoeffel Field for this purpose.

According to a Police Division spokesman, no other location on the Naval Weapons Center will be authorized for such use after Monday.

Annual Parish Picnic Planned By Catholics

Plans were announced this week for the annual parish picnic conducted by the Catholic congregation of the Naval Weapons Center's All Faith Chapel.

This year's event will be held on Saturday, Sept. 9, at Inyokern park between the hours of 4 and 10 p.m.

Tickets, priced at \$1.50 for adults and teenagers, and 75 cents for children 5 through 11 years of age, can be purchased following Catholic Masses or from the Catholic congregation office at the All Faith Chapel during regular working hours.

No charge will be made for tiny tots 4 years of age and under, and the maximum assessment has been set at \$6 per family.

There will be games for young and old, and plenty of food and refreshments. The menu will include hamburgers, hot dogs, potato salad and beans, along with cold drinks.

Additional information can be obtained after working hours by calling Buddy Deffes, chairman of the parish picnic, at 446-3478.

College Choir Makes Plans For Season

Preparations are now being made for the new season of the Cerro Coso College Choir, which will be directed again this year by Ray Blume.

Class sessions will be held on Mondays from 7 to 10 p.m. in Room F-01, starting on Sept. 11.

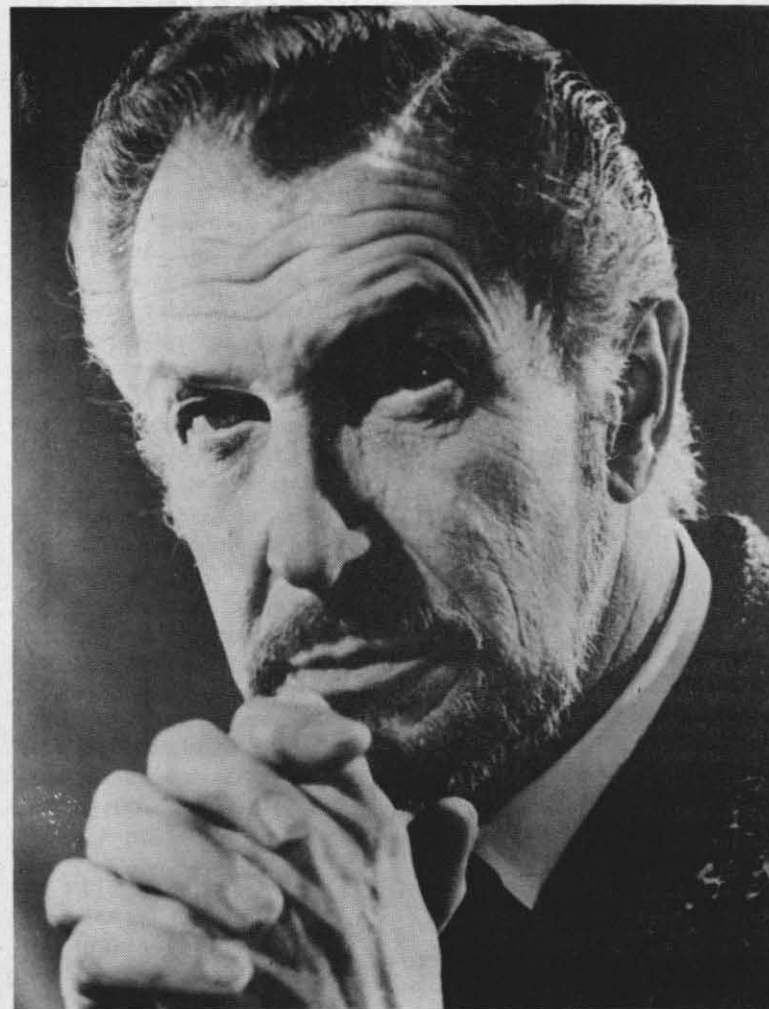
The class may be taken for credit or it can be audited, but in either case the student must be enrolled.

Two performances by the college choir have already been scheduled, and music is available in the college bookstore.

FIRST IN VIETNAM

The daughter of a retired Navy captain has become the Navy's first female Naval Advisor in Vietnam. Lieutenant Ann J. Moriarty is serving as the Dependent Services Project Advisor to Vietnamese Navy men and their families.

Civic Concert Series Ticket Sales To Open Tuesday



Vincent Price—Tues., Jan. 30, 1973

The China Lake Civic Concert Association will kick-off its annual ticket sales campaign on Tuesday. Season tickets, priced at \$17, \$14 and \$11 for adults, and half these amounts for students under 22 years of age and enlisted personnel, will be available to all residents of the Indian Wells Valley.

The Association offers six concerts for the 1972-73 season, highlighted by Vincent Price, noted actor of stage, screen and television.

Price will present a special performance of "Three American Voices," on Tuesday, Jan. 30, 1973. The program will consist of dramatic entertainment taken from the works of three great American artists, including Tennessee Williams' "The Last of My Solid Gold Watches."

Also on the bill of fare is a bonus concert, featuring Vladimir Pleshakov at the piano, accompanied by the Desert Community Orchestra, under the baton of Charles Wood, on Wednesday, Feb. 21, 1973.

The season will begin with Douglas Lawrence on Wednesday, Nov. 1. Lawrence, bass-baritone, is noted for his interpretations of Papageno, in Mozart's "The Magic Flute," and the role of Escamillo, in Bizet's "Carmen."

Pinchas Zukerman, a brilliant young violinist and member of the famed Daniel Barenboim-Jacqueline Du Pre-Zukerman trio, will appear here in concert on Thursday, Nov. 30. He has been featured as guest soloist with many of the major symphony orchestras throughout the world.

The Pleshakov concert will feature a young man who made his debut at the age of 16 with the Sydney (Australia) Symphony Orchestra. Pleshakov is a splendid musician and a highly communicative artist whose piano artistry has delighted audiences on three continents.

On Monday, March 12, 1973, the Jose Limon Dance Company will bring its exciting terpsichorean talents to the Indian Wells Valley. The dancers will perform "The Moor's Pavane," based on the

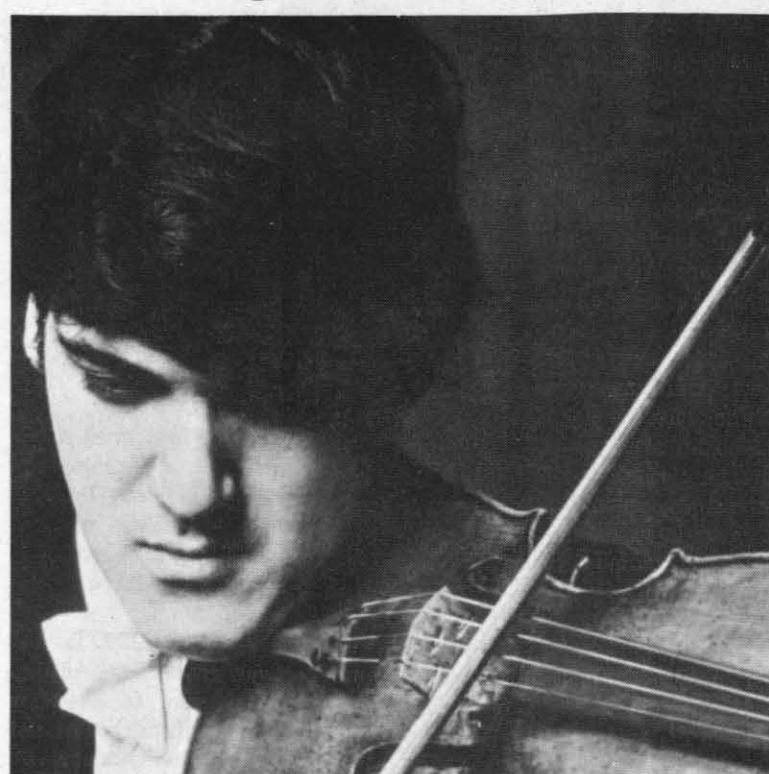
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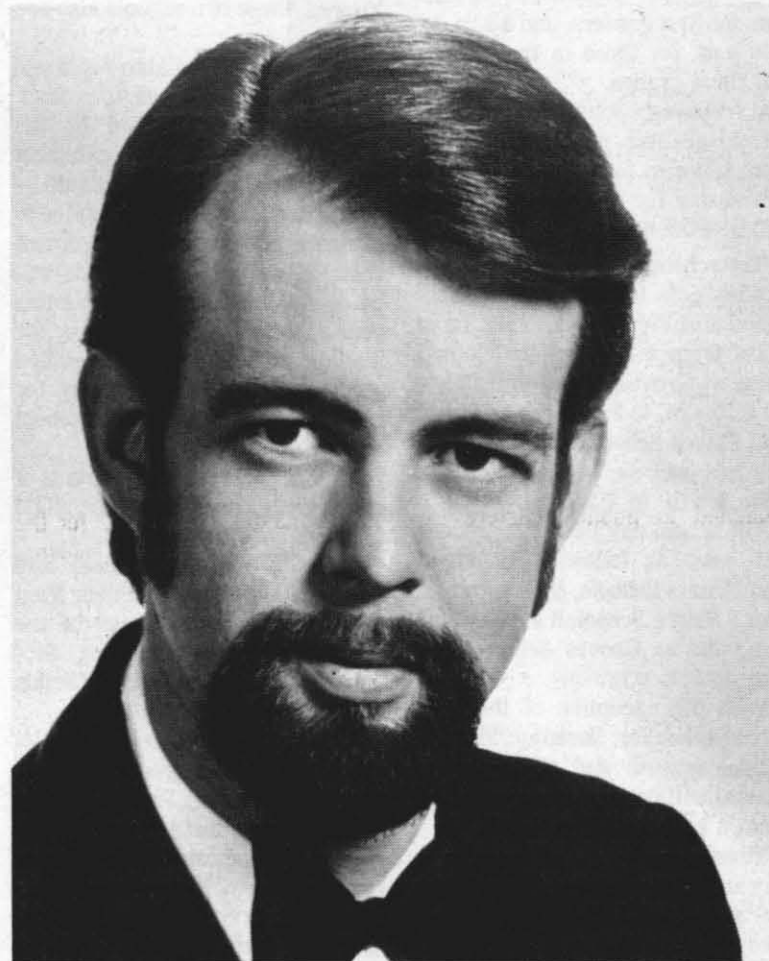
Jose Limon Dancers—Mon., March 12, 1973



Vladimir Pleshakov—Wed., Feb. 21, 1973



Pinchas Zukerman—Thurs., Nov. 30, 1972



Douglas Lawrence—Wed., Nov. 1, 1972



Nana Mouskouri—Thurs., April 5, 1973

Air Force Reserve Officer Goes to Oahu for Training

Capt. James E. Serpanos, a Naval Weapons Center employee who is the civil engineering officer of the 944th Civil Engineering Flight(Reserve), Norton AFB, spent the period from July 8 to 22 at Hickam AFB in Hawaii, where he performed his active duty training.

Capt. Serpanos' civilian occupation is closely allied to his military job. An aerospace engineer with the Structural Mechanics Branch (Code 4062), he performs dual functions in the Air Force, as civil engineering officer and as a flight training officer.

In his role as civil engineering officer, Capt. Serpanos directs and coordinates the performance of work for the Air Force by the civil engineer work force.

This summer he participated in the "5-year Modernization Plan for Hickam AFB," a Civil Engineering Flight effort highly praised by Col. Lamb, Deputy Chief of Civil Engineering at Hickam AFB.

While in Hawaii, Capt. Serpanos was assigned to a Prime BEEF (Base Engineering Emergency Force) Team "C." Through the Prime BEEF program the civil engineering force is mobilized to perform in support of the Air Force mission. The 60-man Prime BEEF Team "C" can be mobilized within 28 hours to perform engineering



Capt. James E. Serpanos

support activities in various emergency situations for a short term duration.

Capt. Serpanos was born in Greece, spent three years with the U.S. Air Force in England, and attended military schools in Germany. He is the author of several influential papers on advanced structural analysis.

He and his wife, Odile, and their two sons, Evan and Philip, live at China Lake.

Field Exercise Held Here...

(Continued from Page 1)
supervise, construction projects and conduct on-the-job training and classroom instruction.

The concept of sending small detachments of highly trained SeaBees with versatile construction abilities was developed during the 1950s in response to requests for U.S. disaster relief and other assistance in the wake of floods or earthquakes in various nations of Africa and Latin America.

The expansion of this emergency relief response into a permanent program of mobile military units followed as a natural evolution between 1961 and 1963.

Currently, the mission of such SeaBee Teams is to lead civic action programs aimed at aiding economic development of the Trust Territories of the Pacific.

SeaBee Team 418 is led by Ltjg. B. M. Murray and the Assistant Officer-in-Charge is Builder Chief F. J. Bergeron. Other members of this team are CM1 E. E. Oaks, CM3 D. A. Beaudoin, SW3 E. L. Purkey, BU3 D. J. Graves, DU2 D. M. Joyce, BU2 J. L. Brizendine, UTCN D. M. Libby, EO2 W. P. Scalf, EO2 D. C. Knight, CE3 F. D. Hughes and HM1 E. T. Herman.

Deadline Set To File For Fellowships

The deadline date for applications for NWC Fellowships and NWC Fellowship extensions to commence with the winter or spring academic quarters or the second semester is Oct. 1.

All such applications should be submitted to the employee's department office for approval by Sept. 22, and forwarded to the office of the Education Director no later than Oct. 1.

Interested applicants may contact the Education Office, phone 2641, for further information.



COMMENDED FOR WORK EFFORT—Group Superior Achievement awards commending them for their contribution to the development of the Angular Rate Bombing System (ARBS) concept were presented to employees in the Avionics Division of the Weapons Development Department by R. V. Boyd, division head. Recipients of the awards were (from left) Bob Berry, Harry Loyal, Carl Burke, Larry Raper, John Isenhower, Oscar Davis, Madilyn Adams and Fred Ikenoyama. Identical awards also were presented to Roy Cole and Richard Seeley, both employees in the Weapons Systems Analysis Division of Code 40, who were unable to be present for the photo. ARBS is a fire control system that accurately delivers conventional ordnance from an aircraft against ground targets.

Slight Increase in Utility Rates For NWC Housing To Go Into Effect Oct. 1

Effective Oct. 1, an increase in utility rates will be charged all tenants of NWC housing. The boost ranges from 30 cents to \$3.60 per month, with a decrease of 30 cents in one instance.

The increase in amount charged for utilities was brought about by a periodic reappraisal and review. Active duty military personnel assigned to public quarters for which BAQ is deducted are not

affected by this change in rental rates and utility charges.

Tenants in two bedroom old Wherry homes will be pleased to see their monthly rental rates reduced by 30 cents. Those who reside in the SSQ Saratoga homes are hit the hardest—an increase of \$3.60 per month.

Other increases include a charge of 30 cents more per month for the dormitories, SSQ Sage residents

and a 60 cent increase for some motel residents and old apartment tenants.

Increases of 90 cents, \$1.20 and \$1.50 will be charged for some types of homes, including two and three bedroom Normacs (90 cents), the Card Street apartments (\$1.20) and three bedroom Panamints and new Wherrys (\$1.50), to name a few.

Occupants of some JOQs and MOQs will pay \$1.80 per month more for utilities, and homes on the hill, such as three bedroom Cosos and Hill Duplexes, will be charged an additional \$2.10 per month for electricity, gas and water.

Tenants who desire to learn what the increase in utility charges is for their homes should refer to NAVWPNSCENINST 11101.4R, dated Aug. 18, 1972, which has been mailed to all residents.

Miss Ridgcrest-China Lake To Make Appearance on TV

A television appearance is coming up Sunday and Monday for Virginia Lee Keyte, a China Lake resident who is the current holder of the Miss Ridgcrest-China Lake title.

Miss Keyte, daughter of Mr. and Mrs. Jack Keyte, will appear on stage during the Jerry Lewis Muscular Dystrophy Telethon that will be televised on KTTV Channel 11.

An invitation to appear on this program was extended to Miss Keyte by Eddie Foy III, a member

Hollywood, New York, Las Vegas and Nashville.

Miss Ridgcrest-China Lake's parents will accompany her to KTTV's Hollywood studio where the West Coast portion of the telethon will originate.

A partial list of the stars already committed to appear with Jerry Lewis includes Marty Allen, Steve Allen, Julie Budd, Carol Burnett, Art Carney, the Carter Family, June Carter, Johnny Cash, who will head the roster of stars who will broadcast from Nashville, Dorothy Collins, Sammy Davis Jr., Danny Davis and the Nashville Brass.

When not on stage, Miss Keyte will serve as escort for the show's celebrities and assist in manning the telephones.

The Jerry Lewis Muscular Dystrophy Telethon has raised more than \$8 million for patient service and research programs. The disease has claimed many victims—mostly youngsters who rarely survive beyond adolescence.

Social Security Man To Visit China Lake

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, Sept. 6.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.



Virginia Lee Keyte

of the famous theatrical family, who was one of the judges of the recent Miss California Pageant that was entered by the local girl. Foy is in charge of the West Coast production of the two-day telethon.

Starting at 8:30 p.m. Sunday and continuing non-stop until 3:30 p.m. Monday (Labor Day), the show will feature top entertainers from



COOLING OFF TIME—An improvised shower helped beat some of the summer heat during a field exercise held in the NWC northern range area by the members of SeaBee Team 418.