## Page Eight

By Budd Gott

Susan Rungo, who will carry the

communities of China Lake and

Ridgecrest, will vie for the title of

24-30, with 30 other contestants

At stake is the Miss California

title, a \$1,000 scholarship, and a

chance to represent the state in the

Miss America Pageant at Atlantic

Miss Rungo has been grooming

herself for the title bid since last

November, when she won the Miss

In addition, to taking vocal

lessons from Mrs. Ivar Highberg,

Ridgecrest-China Lake title.

throughout the state.

City, N.J., in September.

Susan Rungo To Vie For

suit, evening gown, the suit she will

Teri Hill, a training illustrator

with the Reports and Visual Arts

Electronics Systems Department,

will be Miss Rungo's official

Miss Rungo will be in competent

hands under Teri Hill's guidance.

Mrs. Hill, a winner in the Kern

County Art Festival, has a flare for

pearance in the Miss California

**Civic Send Off** 

Local civic and community

leaders and pageant officials

gathered at the Chief Petty Of-

ficers' Club on Thursday evening,

June 14, to show that the com-

munity is behind Miss Rungo's bid

during her appearance in Santa

**Rungo Family Saluted** 

Ralph Rungo for its backing of

Miss Rungo and her chaperone,

Teri Hill, will leave tomorrow for

Miss California will be selected

from among 10 finalists.

for the Miss California title.

California Pageant.

Pageant

Cruz.

contestant.

association.

Miss California ball.

wear for the judges' interview, and

**Miss California Crown** 

hopes and honor of the twin her talent act dress.

Miss California in Santa Cruz, June Branch (Code 3513) of the NWC

## ROCKETEER



Rungo, Miss Ridgecrest-China Lake, and Virginia (Keyte) Brooks, last year's Miss Ridgecrest-China Lake, discuss the up-coming Miss California Pageant, to be held at Santa Cruz. Miss Rungo will represent the local area in the competition.

**Happenings Around NWC** 

guests

Bob and Tilly Barling led the

caravan of 28 vehicles that

departed from the NWC Main Gate

at 10:30 a.m. The convoy traveled

the dirt roads through Mountain

Springs Canyon and Etcheron

to Wild Horse Mesa. The trip

covered approximately 100 miles,

reaching elevations of 5,000 feet.

Youth Movie Fare

"Summer Magic," which

features Hayley Mills, Dorothy

McGuire, Eddie Hodges and Burl

Ives, will be shown on Tuesday at 1

p.m. in the Center Theater during

The musical talents of Ives and

The second feature of the week,

Registration will be held from 1176, Ridgecrest, CA 93555, no later During the dinner, Miss Rungo June 25 (Monday) through July 5 at than Aug. 25. received a chain and locket the Center gymnasium for the Wildflower Shoot Held bearing the official seal of the City summer athletic program, spon-The China Lake Photographic of Ridgecrest from Jim Heck, city sored by the Special Services Society sponsored a "wildflower administrator. It is to be worn Division's recreation department.

The program, which will begin on July 10, will feature horseshoes, Also in attendance was 1972's badminton, table tennis, two-man Miss Ridgecrest-China Lake volleyball, one-on-one basketball, Virginia Keyte, now the wife of Bill and handball

Brooks, Rocketeer staff pho- All NWC employees and military tographer, and Carol Brents, a 1972 personnel are eligible, provided Miss Ridgecrest-China Lake they are 16 years of age or older.

All tournaments will be double elimination events, except for the Herb Childers, local pageant two-man volleyball, which will be a president, saluted the family of Dr. round-robin type tourney.

Persons who desire further in-Susan's bid for the Miss California formation may contact Marty title by providing financial support Denkin, NWC athletic director, or for special training and their Bill Nicol, intramural sports cooperation with the pageant director, at NWC ext. 2334.

Parade Entries Open

Entries are now being accepted Santa Cruz. The week-long Miss from persons who wish to par-California Pageant will include a ticipate in the 23rd annual Desert round of activities for all entrants. Empire Fair parade, slated to be another of the NWC Youth Center's These will include a civic recep- held on Saturday, Sept. 22, in special summer matinees. tion, regatta, a parade, an in- Ridgecrest. vitational golf tournament, and a

Applications may be picked up at the charming vivacity of Miss various locations throughout the Mills provide lively action with Following morning and af- Indian Wells Valley, including the some tuneful interludes in this ternoon rehearsals, the first Ridgecrest Chamber of Com- adaptation of "Mother Carrie's pre-teenage daughter (Yvette Curtis), preliminary competition will be merce, 141 Panamint St., the Chickens." held on Thursday evening, June 28, Community Center, on the Naval the second preliminary com- Weapons Center, and from the "Adventures of Huckleberry petition on Friday evening, June Credit Union, located on the corner Finn," will be shown on Thursday, 30, and the grand finale on of King St. and Richmond Rd. at June 28, also at 1 p.m. Saturday evening, June 30, when China Lake.

DUMPSTER FOR OLD NEWSPAPERS RELOCATED -ROCKETEER photographers Dan Yeatts (inside dumpster), and Bill Brooks, are shown depositing newspapers in the dumpster located at the corner of King St. and Richmond Rd. This is the dumpster that used to sit in Bennington Plaza, but which was moved recently to the new location. Boy Scouts of the Southern Sierra Council utilize the dumpster to collect newspapers, which are then sold and the money used to finance various Scout activities in the local area. -Photo by PHAN Jerry Sizemore

#### Friday, June 22, 1973



General Audiences PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) · RESTRICTED

Under 17 requires accompan ing Parent or Adult Guardian

CS · Cinemascope TD - Standard Movie Screen Regular starting time - 7:30 p.m

Matinee-1p.m.

22 JUNE "JORY" (97 Min.)

John Marley, B. J. Thomas (Western) Fifteen year old Jory and his father arrive in Santa Rosa, N.M., looking for work. Jory witnesses the senseless killing of his father. The killer later pushes Jory away. In a frantic effort to protect himself, the youth strikes the man with a rock, killing him He then joins a horse drive. The horse drive goes on into Texas, where he learns they've walked into the middle of a full-scale range war. (PG)

> 23 JUNE -MATINEE-

"RING OF BRIGHT WATER" (107 Min.)

Bill Travers, Virginia McKenna (G) -EVENING-

"TOM SAWYER" (99 Min.) Johnny Whitaker, Celeste Holm

(Musical) A musical adaptation of shoot" on Saturday, June 2. The Mark Twain's classic about a spunky tour was intended primarily for and likeable boy named Tom Sawyer China Lake Photographic Society and his sidekick, Huck Finn. Includes all the episodes that made it such a members and several out-of-town heartwarming and enjoyable story. (G)

> SUN. & MON. "ROMA" (117 Min.)

Federico Fellini, Peter Gonzales (Documentary) Filmmaker Federico Fellini begins his love affair with Rome in 1931, when he learns about the Eternal City as a boy in his native Rimini. He arrives in Rome in 1938 and Valley, by way of El Conejo mine begins to savor the tempo of life there.

> TUES. & WED. 26-27 JUNE "SLEUTH" (139 Min.)

Laurence Olivier, Michael Caine (Suspense) Andrew Wyke (Laurence

livier) is a rich author of eccentric mystery fiction and lives in a magnificent 16th Century English country home. One day he invites Milo Tindlex (Michael Caine), the owner of two beauty shops and the current love of Andrew's wife, Marguerite. (PG)

28-29 JUNE THURS & FRI "A WARM DECEMBER" (101 Min.)

Sidney Poitier, Esther Anderson (Melodrama) This is a bitterswee tale of an ill-fated romance between a handsome American widower (Sidney Poitier) on a visit to London with his and a stunningly beautiful diplomat (Esther Anderson), a member of an emerging African State Embassy. (PG)

# **Housing Assignment**

## **Adjustments Made**

The Naval Weapons Center Housing Policy allows for adjustment of precedence levels to assure full utilization of family

levels who are interested may file applications for these quarters. theater tokens will not be accepted Names of applicants will be given July\_9, 1973.

reported. taken.

## This film stars Tony Randall Completed forms must be Eddie Hodges, Archie Moore, and returned to PARADE, P.O. Box Patti McCormick, in the classic story of Mark Twain's character, "Huck." Huckleberry Finn yearns to join housing assets.

the Mississippi riverboats, and Precedence levels J, K and L finally runs away to do so. He may now apply for 2-bedroom Old builds a raft to float downstream, ¿Duplexes. and joins forces with a runaway Personnel in these precedence slave, Jim.

Admission is 30 cents. NWC as admission during these matinee assignment consideration after programs.

PLACE STAMP HERE

Susan Rungo

of China Lake, and enrolling in courses at the Mary Lantz Modeling School in Anaheim, Miss Rungo has appeared in five pageants. These affairs were the Miss Azusa, Miss Orange County, Miss Redlands, Miss Pomona, and Miss Lindwood Pageants.

When queried about what she had gained from attending these events, Miss Rungo smiled, "You have to look over your competition. I will have to compete with each of these girls for the Miss California title in Santa Cruz.

Self-Confidence Important "The importance of poise, selfconfidence, and the graceful appearance of the contestants made an impact on me," the dark-haired Miss Rungo said. "I noticed that the winner in each pageant possessed these qualities. I think self-confidence is the most important," she added.

"If beauty were the only criteria for winning the Miss California Pageant, Susan wouldn't have any worry," Herb Childers, local pageant president, said about the bubbly 5 ft., 6 in. Miss Ridgecrest-China Lake.

"However, there is more to be judged than just beauty. Poise, personality and talent are more important than beauty. In fact, talent counts 50 points in the judging," Childers pointed out.

"Susan, who has a pleasing alto voice, really belts out her vocal number, 'Hurry, It's Lovely Up Here,' which she will do in the talent competition at Santa Cruz," Childers said.

Miss Rungo presented her talent act at the China Lake Community Center on Saturday, June 9, before a panel of judges comprised of pageant officials, and representatives of local little theater and drama groups.

Wardrobe Modeled

In addition, she went through all of her wardrobe changes for the Santa Cruz competition, including her travelling ensemble, bathing



# **Opinions Sought Regarding Desert Park Development**

chum

Local residents' views on this matter are of interest to Congressman Ketchum, who has the Secretary of the Treasury to assist. appropriate \$81,000 to Kern County for the development of Kern Desert Regional Park.

In addition, Ketchum also has asked the U.S. Department of the Department of Parks and for an appropriation from California's share of Land and Water Conservation Act money for 1973-74.

There isn't much hope for this, Congressman Ketchum admits, since the total appropriation of \$3.5 million for the Land and Con-

# **Ratio Set For Dividing High** School Assets

Agreement was reached this week on the first of many decisions that will have to be made regarding the equitable apportionment of the Kern High School District's property and assets to the newlyformed unified school district covering the Burroughs High School attendance area.

Officials representing not only the countywide high school district, but also the China Lake, Indian Wells Valley and Rand Elementary School Districts concurred that, for the purpose of transferring and allocating to this area its share of Kern High School District assets, a ratio of approximately 81/2 per cent (actually .08465) be used

This figure is a compromise between the difference in average daily attendance and assessed valuation (including Federal aid for education under Public Law 874) within the Burroughs attendance area when compared with the overall high school district, Dr. Sol Spears, superintendent of the China Lake Elementary School District,

At Tuesday night's meeting of the Kern County Committee on School District Organization, the formal action necessary to establish the ratio for allocating this area's proportionate share of the real and personal property of the Kern High School District was

The next order of business will be the hiring of an appraiser to determine the value of the Kern (Continued on Page 3)

The opinion of Naval Weapons servation Act represents a sizeable Center employees and residents cut from the 1972-73 appropriation regarding the future development of \$12 million, and he is therefore of the Kern Desert Regional Park not optimistic about the possibility is currently being sought by of obtaining money from the state Congressman William M. Ket- for development of the local park.

In a recent letter to his local area constituents, Congressman Ketchum acknowledged that while "this is a long shot, at its best," he introduced legislation before still feels strongly enough about Congress which would authorize this project to make every effort to

For the past several years, Kern County has attempted to develop a regional park on 106 acres of surplus land that was purchased from the Department of the Navy. Interior and the California The park area is a triangularshaped plot of ground bounded by Recreation for assistance. N. China Lake Blvd., the Congressman Ketchum has ap- Burroughs High School access plied to William Penn Mott, State road, and the NWC fence adjacent Director of Parks and Recreation, to the Capehart B housing area.

> Part of this area is earmarked as the site for a civic center which will house county offices, a fire station and a Sheriff's Department substation, but so far only a decorative wall marking the park's entrance has been built.

Kern County has, however, invested approximately \$20,000 in sprinklers and some other equipment which is being held in storage for future use at the park. The recent annexation to the City of Ridgecrest of a portion of the Naval Weapons Center that includes Desert Park, the Bennington Plaza commercial area, A low-cost turbojet engine that and the access road leading to the developed by a team of engineers ditional tax revenue available to the Naval Weapons Center. the city that could be used for This is the first turbojet engine cost. In recent years, however, the development of the 106-acre designed for a one-shot tactical Navy has identified an urgent need



NWC DESIGN TEAM -- Center personnel who are helping to make the low-cost turbojet engine a reality are shown examining one of the models of this engine. They are (from left) Dick Fulmer, propulsion project engineer (Condor flight test); Gary Burgner, and Dr. Darrell Walker, development engineers (mechanical and aerodynamic design), and Harold Larsen, acting head of the Propulsion Development Department's Advanced Technology Division, who is also the program manager.

# **NASA/NWC Engineers Develop New Low-Cost Turbojet Engine**

**By Wanda Stahlman** 

Naval Weapons Cente

China Lake

California

the Burroughs High School campus is unique in two respects is being local high school was a move un- from the National Aeronautics and dertaken in order to make ad- Space Administration (NASA) and

believed to be the first such engine designed and built by the government

Previously, turbojet engines have been applied principally in manned aircraft and strategic weapons because of their high unit warfare application, and it is for a suitable low-cost turboiet engine to power a new generation of cruise missiles. NWC's ordnance philosophy, as applied to engine design, has inspired new approaches to construction materials, fabrication methods, and assembly techniques; significantly, it is helping to make the low-cost turbojet engine a reality.

In less than three years the engine has advanced from initial design to advanced testing of the complete unit. A prototype engine has undergone extensive static and of Peru during the month of July. simulated flight tests in test cells at NASA's Lewis Research Center, Cleveland, Ohio, where over 70 hours of engine running time have been completed. Delivery of the first prototype engine at China and Charles Ringrose, a former Lake was made in March 1973 and NWC employee and member of the a flight test unit was scheduled for rescue organization. delivery in April.

proof tests over the China Lake this same group stood together on ranges in May, using a modified the summit of Mt. McKinley in Condor missile carried in captive Alaska. flight as the test vehicle. Upon From Lima the group will fly to Pacific Missile Range, Pt. Mugu.

dependent Exploratory Deve-

lopment, the initial design phase established preliminary configuration and operating parameters for the turbojet engine. However, a formidable amount of design work remained to be done, starting with a wide survey of available technology for turbojet development. The survey, which included industry and government, disclosed that the (Continued on Page 5)

# Mt. Climbers To Attempt Peaks in Peru

A group of seven climbers, six of whom are members of the China Lake Mountain Rescue Group, are planning an expedition to climb mountains in the Cordillera Blanca

The group consists of Dr. Carl Heller, expedition leader, Dennis Burge, Robert Westbrook, Don Peterson, Robert Joy, Russ Huse,

In July 1968 Heller, Burge, The prototype engine underwent Westbrook, Ringrose and Huse of

completion, these tests will be Huaras, jewel city of the beautiful followed by a free-flight test at the Callejon De Huylas of Peru, at an elevation of 10,000 feet. From there Early in 1969, under NWC In- they will drive into the Cordillera

(Continued on Page 5)



GRAND PRIZE WINNER - Ken Dalpiaz (2nd from r.), head of the

Traffic Control Branch in the NWC Security Department's Police

Division, smiles his acceptance after selecting \$3,250 in U.S. Series

"E" Savings Bonds as his choice for the grand incentive award in the

1973 Navy Relief Fund Drive. Rear Admiral Paul E. Pugh (r.), NWC

Commander, made the presentation. Looking on are (from left)

Chaplain R.E. Osman and Cdr. R.B. Nygaard, coordinator of this

year's campaign. See story on page 3, of this issue.

INSIDE . . .

June 22, 1973

Navy Relief Gains \$7,800 . Ben Husten To Retire 4 Added to EEO Committee ..... Sports ..... Local Girl Enters State Pageant ...8

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## Page Two



LEARNING A CRAFT - Carol Panlaqui instructs a group of children in basket weaving during a craft portion of the Maturango Museum's Summer Enrichment Program. Other activities the children enjoyed during the 10-day program, which ends today, included field trips, bird watching, learning about reptiles, mountaineering and wilderness safety. One of the more popular classes was one that dealt with a study of insects.

# **Early Retirement Legislation Signed Into Law by President**

The President has signed into five years as a civilian, may also law an optional early retirement retire regardless of age. program for Federal employees whose command or agency is force.

Service Commission has author- who retire on or before June 30 will ized the Defense Department to receive a cost of living increase of allow eligible DOD employees in 6.1 percent in their annuity, efthe 50 states, District of Columbia fective on July 1. and Puerto Rico to voluntarily retire immediately.

Eligible for the early retirement are employees who have reached the age of 50 and have completed 20 years of creditable service, in- through Aug. 10 only. Interested cluding five as a civilian. Em- NWC employees should contact ployees who have completed 25 their Personnel Management

The Rocketeer

Official Weekly Publication

Naval Weapons Center

China Lake Lake, California

RAdm. Paul E. Pugl

NWC Commande

Dr. W. B. LaBerge

**Technical Director** 

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Head,

Technical Information Departmen

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Associate Edito

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Editorial Assistan

PHID C. Manderscheid

ADJAN Bill Brooks, PHAN Joe Dunn

Staff Photographers

DEADLINES:

News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives American Forces

ress Service material. All are official U.S

Vavy photos unless otherwise identified

Printed weekly with appropriated funds by a

P35, revised July 1988. Office all Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.

3354, 3355, 2347 Sunday

Phones

ommerical firm in compliance with NavExos

If the retiring employee is under age 55, his or her annuity would be undergoing a major reduction-in-reduced as provided in the Federal Personnel Manual Supplement 831-Under the new law, the Civil 1. Those eligible for retirement

SecNav's AlNavSta messages 23-73 and 24-73 contain additional information about the early retirement program.

This legislation will be effective years of creditable service, with Advisor for further information.



Monthly Youth Rallies Contact Chaplain's Office for specifics.

riday	1st	and	3rd	ONLY	
abbath Services					20
aturday			Sabbath School		05
			UN	ITARIANS	

ROCKETEER

# 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 other desiring employment with the Nava Weapons Center may contact the Employment Division, Code 652, Extension 2069. Current applications (SF-171) or Standard Form 1972 should be submitted oringing 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 hese 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

Engineering Technician, GS-802-7,8,9 or 10, PD No. 7350044, Code 5051 - This position is located in the Product Engineering and Fleet Support Branch, Electromechanical Division of the Fuze Department located at Salt Wells. The incumbent position encompasses the tech nician aspects of electrical and mechanical engineering as applied to the development o fuzing for explosive ordnance. He makes sketches or drawings of parts or subassemblies of electro-mechanical devices of suitable quality, completeness, and accuracy for use in fabrication in a model shop, but of a design adaptable to production processes Minimum Qualifications Requirements: as defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must be capable of carrying out computations and design detail based on a comprehension within a limited scope of the engineering disciplines. An educational equivalent to approximately two years of college level training, including some basic engineering background courses, is needed. Incumbent should have experience it the use of electrical, electronic, and mechanical instrumentation. Experience with

Clerk-Typist, GS-322-3 or 4, PD No. 7250053, Code 5072 - This position is located in the Mechanical Design and Technical Data Branch of the Fuze Department. Major duties nclude assigning control numbers to drawings, specifications, and microfilm naintaining control log, maintaining records and files; and typing Branch correspondence. Minimum Qualification Requirements: as efined in CSC Handbook X-118. Job Relevant Criteria: Must be able to file classified documents accurately. Must be qualified

applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph.

Secretary (Typing), GS-318-3, 4 or 5, PD No. 7340093, Code 4008 - This position is located in the Advanced Aircraft Systems Program Office of the Weapons Development Department. The incumbent performs secretaria and typing duties for the branch head Prepares reports and correspondence from handwritten and rough draft copy. Receives telephone calls and official visitors, keeps the branch head's calendar and makes his travel arrangements. Minimum Qualification ements: As outlined in CSC Handbook X-118. Job Relevant Criteria: Demonstrated elephone reception skills and familiarity with NWC correspondence and travel procedures obtained through on the job experience.

Clerk-DMT, GS-316-3 or 4, PD No. 7140113, Code 4054 - This position is located in the Test and Evaluation Branch, Infrared Systems Division, Weapons Development Department Incumbent performs clerical and typist duties for the branch head as well as for other members of the branch. Prepares technical notes, reports and correspondence from handwritten and rough draft copy of machine dictated notes. Receives telephone calls and official visitors, answers non-technical questions involving branch operations, makes travel arrangements, keeping travel calendars, assembles material for meeting receives and distributes incoming mail. maintains files, etc. Job Relevant Criteria: Experience typing administrative and technical subject matter. Knowledge of NWC espondence, travel, timekeeping, and supply procedures is required. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Sodergren, Bldg. 34, Rm. 206, Ph. 2676. Air Operations Specialist, GS-301-11 or 12, PD No. 7235136, 1 vacancy, Code 3553 - This position is located in the Electronic Warfare Projects Branch, Countermeasure Division, Electronic Systems Department. The operations of this branch are conducted exclusively at Echo Range in Randsburg Wash est area. During operational range tests the incumbent of this position assumes the role of test conductor. As such, he must be able to nterpret complex electronic display in formation concerning radar tracking and digital computer performance, and aircraft rajectory data. He must be able to exercise sound judgment of range system operations from these displays and react in real time to he data available for prosecution of test objectives. The incumbent will conduct specialized tests for the evaluation of elecronic equipments and tactics. He will be required to assess the data obtained from these tests and make recommendations for any corrective action that may be required. H must have a complete knowledge of the

(Continued on Page 7)

Friday, June 22, 1973



PATENTS AWARDED IN FUZE DEPT .- Ben F. Husten, (r.), head of the NWC Fuze Department, presented patent awards to two employees in his department's Electromechanical Division during a recent ceremony. The recipients were Charles Hamilton (at left), who heads the Electromechanical Division, and Donald R. Leonard, Jr., an electronics technician. Hamilton and Warren R. Hoelzen (now retired and not present for the photo) were issued a "Notice of Allowability" by the U.S. Patent Office for a Post Launch Dual Pressure Sensitive Arming Device. Leonard was awarded a patent for a "Supply Dependent Logic Reset," which is intended to eliminate the possibility of an electronic systems' logic circuitry being able to operate before the logic supply voltage has stabilized and reached a pre-determined minimum voltage level.

# **Auditions Held, Cast For** 'Hello Dolly' Announced

for roles in the upcoming Com- "Half a Sixpence," "The Student munity Light Opera and Theater Gypsy," and "George M!" In Association (CLOTA) production addition, she appeared in a small of "Hello, Dolly."

Dolly Levi and Horace Van- "The Mikado." This will be her dergelder are the Valley's two third effort for CLOTA, for Miss higher education drama in- Lindsey also appeared in "The structors - Pat Schwarzbach and Music Man," and "Fiddler on the Alan Kubik. Mrs. Schwarzbach is Roof." the director of speech and drama for Cerro Coso Community College, and Kubik heads up the U.S. Navy, Dorrell appeared op-Burroughs High School drama and vocal music departments.

with these two extremely talented people," said Jack Lindsey, director. "Both have tremendous projection and their knowledge of the stage is probably unequalled locally," he added.

Fieser, who took CLOTA's best known locally for her tremendous male actor award home with him comic talent and singing voice. She last year for his portraval of recently finished playing Katisha Nathan Detroit, in "Guys and in "The Mikado," for Theater 27. Dolls." "Jim's voice is brilliant Others cast in speaking parts in and he has exceptional control over the show were Fred Jessberger, as it," Lindsey enthused. "The flair the judge, Ernie George, as the for comedy that he exhibited in court clerk, and Ralph Sch-Florence Green's 'Guys and Dolls' warzbach, as Rudolph, the head for CLOTA last year will waiter. prepare him well for this role," the To be seen as dancing waiters director stated

hit as George M. Cohan, in the McArtor, and Randy Carson. Other Burroughs production of "George male chorus members are Dick M!" has been cast in the role of Halen and Robbie Robinson. Barnaby. "George is an extremely Female dancers are Terry capable musician, and he also has Payne, Gracie Fieser, Teresa Orr, a gift for comedy. He does Becky Byrd, Debbie Wood, Elena everything well - acting, singing Vitale, Elayne Roese, Penny and dancing, and he is a welcome Brady, Ginger Bartlett and addition to the cast," Lindsey Marilyn Roether. Camille Menz pointed out.

The part of Minnie Fay will be enacted by Sandee Schwarzbach, a young, talented Cerro Coso College student, who is well-steeped in theater. "Although Sandee is mature beyond her 18 years, she read beautifully for the part and shouldn't have any trouble portraying a 17-year-old girl," Lindsev noted.

Angie Lindsey, daughter of the director, won the role of Ermengarde. Miss Lindsey has been seen in many high school

More than 70 persons auditioned productions locally, including role in Theater 27's "My Fair To be seen in the leading roles of Lady" and sung a principal role in

Loren Dorrell has been cast as Ambrose Kemper. Just out of the posite Miss Lindsey in "The Music Man," and has also been in many "It will be interesting working Burroughs productions prior to joining the service.

> Cast in the role of Mrs. Molloy is Yvonne Beyer. This will be Mrs. Beyer's first role for CLOTA.

Jacquie Jessberger will portray Selected to play Cornelius is Jim Ernestina. Mrs. Jessberger is well-

are Bill Bennison, Larry Gould. George White, fresh off a rousing Larry Carter, Steve Carter, Steve

will be seen as Mrs. Rose.

## Steak-Out Slated At NAF Swim Pool

A steak-out will be held at the Naval Air Facility swimming pool from 3 to 6 p.m. today. All military personnel from NAF VX-5 and NWC are cordially invited to attend with their auests

Evening meal prices will be in effect. The NWC Dining Mess Hall will be closed for this meal

MOVED TO NEW ADDRESS - Workmen load up a filing cabinet during the recent move of the Desert Counseling Center from its old location in Dorm No. 17 to the old Credit Union Building, corner of Blandy Ave. and Hussey St. The move, which was performed from Thursday, June 14, to this past Monday, enables personnel of the Counseling Center to have more office space. In addition, a new telephone number has been assigned to the Counseling Center — 446-5586. Hours of operation will remain the same.



McCall, GS-13.

Morton, GS-7 Kinman, GS-14.

Church, E6; Wright, WG-10, and Coughlan, GW-10.

Porche, GS-12

Ruotsola, GS-12.

Dittman, GS-10.

McKinney, GS-12; Williams, GS-12; Nazaroff, GS-11, and Curran, WD8. One Bedroom Apartment

Baird, GS-13.

Bliss, WG-10; Diaz, E-1; Clark, GS-4; Smith, E2; Driggs, WG9; Minshew, GS-4; Murphey, GS-3; Sunds, WG-10; Kneevers, E3; Gibson GS-10; Blinkhorn, G -3, and Moler, WG5. Two Bedroom LeTourneau Wolters, E2; Culver, E2; Jones, E3; Alfieri, GS-3; Seaman, WG-10; Struthers, GS-3; Peck,

E3, and Phillips, É3.

File application for the above with Liz

**JEWISH SERVICES** 

Services

EAST WING . ALL FAITH CHAPEL

CHAPEL ANNEX 95

1930

# precision machine tools is desirable.

Friday, June 22, 1973

ROCKETEER

Page Seven



# **PROMOTIONAL OPPORTUNITIES**

#### (Continued from Page 2)

operational capabilities of the Electronic Warfare Tactical Environment Simulation (EWTES-Echo Range) facility and of airborne systems. The incumbent will assist in the planning of range tests and will coordinate the eduling requirements of the range in order to insure their requirements can be met ef fectively. Minimum Qualification Re-

quirements: As defined in CSC Handbook X 118. Job Relevant Criteria: Experience as a test conductor during operational testing of electronic equipment and ECM tactics. Familiarity with digital radar in strumentation. Experience in planning and coordinating tests for the evaluation of electronic warfare and tactics. Thoroughly familiar with the operational capabilities of range and airborne equipment.

Air Operations Specialist, GS-301-7, 8 or 9, PD No. 7235120; 1 vacancy, Code 3553 - This position is located in the Electronic Warfare Projects Branch, Countermeasures Division, Electronic Systems Department, The operations of this branch are conducted exclusively at Echo Range in the Randsburg Wash test area. The incumbent of this position will be required to function as an air controller during the conduct of specialized electronic data collection tests. A major element of this position is the ability of the incumbent to precisely and continuously position aircraft by means of a complex electronic display system After all aircraft are positioned, the incumbent will remain in direct contact with the aircraft for the duration of the test period. He will also monitor air space to maintain safety for aircraft and crews. The incumbent will be provided the opportunity to conduct actual

tests, under the direct supervision of the test conductor, during routing operations to provide him with actual on-the-job training. Ainimum Qualification Requirements: As

# Housing Assignments

The following are the housing assignments for the month of May. Two Bedroom Old Duplex Deroulet, GS-11; Smith, GS-9; Coley, E8;

Van Doren, GS-13; Iddings, GS-7; La Jeunesse, GS-11; Macy, GS-7; Huckaba, GS-9, and Stenger, GS-11.

Two Bedroom JOQ Two Bedroom Wherry

Marguis, Sqt.; Davis, E6: Germond, E4, and

Three Bedroom Wasp Circle

Three Bedroom Wherry Lepie, WG-10; Turner, E5; Peterson, E5;

Three BR Normac Dupley Jain, GS-7, and Cook, GS-11. Three Bedroom Junipe

Harbin, GS-12; Evert, GS-11, and Price, GS-

Three Bedroom Yucca

Four Bedroom Joshua

0 Bedroom Apartment Dennis, GS-12; Coleman, GS-9; Graff, GS-11;

LeVine, GS-9; Denny, GS-9; Shelton, GS-7, and 0 Bedroom Motel

Lawless, GS-12. One Bedroom Motel

Two Bedroom Norma

Two Bedroom Apartmen

Sterling, WG-10, and Squier, GS-5.

Criteria: Experience in controlling of aircraft and familiarity with coordination of restricted air space. Familiarity with aircraft flight characteristics, and radar display systems. Ability to perform well under tension and in close cooperation with other personnel. File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, Ph. 2577.

Technical Communication Specialist, GS-1001-5 or 7, PD No. 7275014, Code 7502 - Incumbent will participate in the Intern Program for Technical Communications Specialist. Will be assigned duties in the field of technical communications on three or more rotating work assignments within TID. Duty assignments may be in areas such as proofreading, technical writing / editing. llustrating, film editing, library services, etc Successful completion of the one year period of internship will lead to a permanent assignment. Minimum Qualification Requirements: As defined in X-118, Job Relevant Criteria Bachelor's degree in physics or engineering is desirable. Must have good verbal abilities. Some formal training in English, journalism or communications is desirable. Ability to analyze communications problems and make effective presentations. Promotion Potential GS-11 or 12.

File applications for the above with Mary Morrison, Code 657, Rm. 210, Ph. 2393.

Secretary (Typing), GS-318-05, PD No. 7355032, Code 553 - This position is for the secretary to the head of the Product Design Division, Engineering Department. The inumbent serves as a clerical assistant to the division head and provides technical direction and assistance to the branch clerks. She reviews all outgoing correspondence signed by the division head for grammar and format and provides training for the branch clerks. She also operates an IBM Magnetic Tape Selectric Typewriter. Minimum Qualification Requirements: As defined in X-118. Job Relevant Criteria: Ability to provide the full range of clerical services independently; clerical experience in an R & D environment; ability to work well with other clerks; typing experience with the MTST. File applications for the above with Pat

Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Administrative Officer, GS-341-11 or 12, PD No. 7345074, Code 4560 - This position is located in the Conventional Weapons Division, Propulsion Development Department. The primary objective of the position is to supplement the technical proficiency of Division scientific and engineering personnel with a high level of competency in the broad field of dministrative management. The incumbent will be the principal member of the division for developing and implementing procedures for financial management, personnel management, procurement and maintenance of facilities. The incumbent will act as the key contact for coordinating the support of cen. Childers, Bldg. 34, Rm. 210, Ph. 2032. tralized staff activities associated with Division Operations. Job Relevant Criteria: A Calif. announces a competitive demonstrated ability to analyze and solve NWC-6 (73). Applicants must file Standard complex problems encountered in the ad. Form 172 (supplemental experience or Development Programs. Experience in wage grade supervisory information specialized experience as defined in CSC China Lake, Calif. Handbook X-118

Code 4561 - This position is located in the examination for Model Maker (machining Warhead Development Branch, Conventional Weapons Division of the Propulsion Development Department. Incumbent performs clerical duties for the branch. Major files; scheduling appointments; receiving visitors and telephone calls Incumbent responsible for time keeping and sorting and distributing incoming mail. Job Relevant Criteria: Must be a qualified typist. Demon- examination for Maintenance, General strated telephone reception skills and ex- Foreman, WS-4740-12, Announcement No rience typing administrative and technical subject matter. Minimum Qualification Form 172, and supplemental wage grade Requirements: As defined in CSC Handbook X- supervisory information sheet with the Specia

Grossman, Bldg. 34, Rm. 204, Ph. 2925.

defined in CSC Handbook X-118. Job Relevant 06965-45, J.D. No. 53, Code 25922 - "Inspects material received previously from com mercial sources for damages, determining cause of damage and responsible agent where possible; makes damage report; insures item received is item ordered and meets all specifications; rejects items if damaged or incorrect; insures that proper paperwork accompanies items accepted or rejected determines if substitutions made by vendor is permissable under terms of contract or pur chase orders. Minimum Qualification Requirements: 21/2 years experience as in spector of materials and - or equipment in two r more fields, which included responsibility for acceptance or rejection of material in spected; experience as a journeyman mechanic, engineering or electronic tech nician. Two years of the required ex perience may be substituted on a month for month basis if the applicant has been to trade schools in a mechanical or engineering field or as a stockman working in two or more fields equipment. Job Relevant Criteria Demonstrated initiative on present job; ability to work with a minimum of supervision ability to interpret and follow written in structions. File applications for the above with Clain

Lewis, Bldg. 34, Rm. 202, Ph. 2723.

Telephone Office Manager GS-392-07, PD No. 7285009, Code 8544 - Position is that of head of the Telephone Branch, Command Administration Department. Incumbent is responsible for supervision of eight communication service clerks who provide operator assistance and record keeping fund tions for the Center's telephone system and other communications systems. Plans, directs, assigns and coordinates the work o the communications service clerks which includes keeping the Center's telephone directory current, reviewing monthly billing from several telephone companies, keepin records of all administrative communication services and the review and verification of the Mobile Radio Contract. Minimum Qualification Requirements: As outlined in X 118. Job Relevant Criteria: Must have administrative and supervisory experience Should have a basic knowledge of com munications procedures, including a working knowledge of communications te

Clerk-Typist GS-322-04, PD No. 7330032, Code 3063 - This position is located in the Improved Missile Branch. The incumbent will perform typing, telephone answering, travel ar rangements, preparation of time cards and other duties for the personnel in the branch. The incumbent will report to the branch head Minimum Qualifications Requirements: As outlined in X-118. Job Relevant Criteria: Must be an experienced typist, speed not essentia but accuracy is important. Ability to learn and a cooperative attitude are necessary File application for the above with Dora

The Naval Weapons Center, China Lake, BA/BS degree or equivalent is desirable. examination for maintenance general Broad background in management with foreman, WS-3403-14, Announcement No. ninistration of a wide range of Research and qualification statement) and supplemental finance, personnel program management, and with the Special Examiner, Room 101, Code contract administration. Minimum Qua- 652, China Lake, Calif. to be received or lification Requirements: Three years of postmarked by 9 July 1973. Forms may be general experience and three years of obtained at the Personnel Bldg., Room 100,

The Naval Weapons Center, China Lake, Clerk-Typist, GS-322-3 or 4, PD No. 7345073, Calif. announces a competitive promotion Leader, WL-3403-11, Announcement No. NWC-7 (73). Applicants must file Standard Form 172, and supplemental wage grade supervisor information sheet with the Special Examiner. duties include typing reports, letters, and Room 101, Code 652, China Lake, Calif. to be technical articles; maintaining records and received or postmarked by 2 July 1973. Forms may be obtained at the Personnel Bldg., Room 100, China Lake, Calif.

The Naval Weapons Center, China Lake Calif. announces a competitive promotion NWC-8 (73). Applicants must file Standard Examiner, Room 101, Code 652, China Lake, File applications for the above with Linda Calif. to be received or postmarked by 2 July 1973. Forms may be obtained at the Personnel Inspector (General Equipment) A, WX- Bldg., Room 100, China Lake, Calif.

# **Employee In** The Spotlight

When VAdm. W. B. Moran (then a Rear Admiral) first came to China Lake to look the Center over prior to assuming command of NWC, his visit was arranged by the Technical Presentations Coordinator, Dick Rusciolelli.

"I had arranged for the new skipper to be served breakfast at the Commissioned Officers' Mess," Dick recalled.

"Normally, they don't serve breakfast, so Jack (Mussler) and I arrived at the COM early to see that everything was all right. There was no cook present, and the manager was also absent, so Jack turned to me and said, 'Do you want to cook, or serve?' I acted as the waitress, and Jack whipped up a good breakfast for Adm. Moran. What a way to start off with a new Commander," Dick laughed.

The visit of then President John F. Kennedy was probably the most exciting event that has occurred in Dick's 14 years with the office. He ranks meeting Allen Beam, the fourth man on the moon, as another exciting occurrence.

"The function of the office is to see that there are no foul-ups challenge, as we must arrange for during a visit by persons who come the right kind of speakers, line up to NWC," Dick explained. "I'm housing, films, demonstrations and fortunate in that I have a very good social events," Dick said. "In staff, and boo-boos, such as the one order to do this, we keep abreast of during Adm. Moran's visit, seldom the major on-going programs on occur," he added.

Springfield, Ill., came to China he worked until January 1952, when he joined the U.S. Air Force.

After training as a weatherman, Dick was assigned to Laon, France to work in the weather station there. He came home on leave in December 1954, and married his life-long sweetheart, JoAnn, the girl he had become engaged to prior to leaving Riverton. "We grew.up together, practically sideby-side," Dick said.

JoAnn returned to France with Dick, and the couple stayed there nine more months. "I returned to Chanute AFB, Ill., where I was discharged," Dick said. While at Chanute the couple's first child, soon to be an eighth grader, and Yolee, was born.

Dick and his family moved immediately to China Lake in February 1956, and Dick returned to his old job with the Propulsion Development Department.

About that time, he began to take evening courses offered by the Desert Campus of Bakersfield College and working weekends at Radio Station KRCK. He joined Code 30's Meteorology Department

# Dances Scheduled At Chaparral Club

A series of summer-long dance nights, scheduled every other week, will get under way next Friday, June 29, at the Chaparral Club, it was announced this week by Walter C. Schimke, manager.

Next Friday, June 29, will be Spanish night at the Chaparral Club. Dinner is to be served from 6 to 9 p.m., followed by dancing to the music of The Iron Horse until 1:30 a.m



**Richard W. Rusciolelli** 

for a while, then in 1959, Dick moved into the Technical Presentations Office, working under Bill Hampton.

"When Bill left in 1967, I was placed in charge of the office,' Dick said.

Always a busy man. Dick has done a tremendous job with the unique office. "Every visit is a the Center, and it really is nearly a Dick, who was born in 24-hour a day task." he added.

Not content with being active at Lake with his parents in 1950, and his work, Dick has managed over he began work in the Housing the years to become involved with Office, under Cal Falgatter, as a his community. He and JoAnn clerk. Later in the year, he trans- were adult advisors to the Catholic ferred to the Propulsion De- Youth Organization locally for velopment Department, where three years, and for the past five years Dick has served on the China Lake Elementary School District's board of trustees. He is the current president.

> In addition, in the past, Dick has been a member of the COM Advisory Board, and he is a past member of the All Faith Chapel's Catholic Congregation Advisory Council

> JoAnn has been kept busy, as well. In addition to Yolee, who is now 17, and a student at Bakersfield College, the couple has three other children. They are Ricky, 16, who will be a junior at Burroughs High School in the fall: Pam. 13. Jay Dante, 31 months old, the "superstar" of the family.

> In addition, JoAnn's grandmother, "Grandma Becker," resides with the family, as does JoAnn's great aunt Betty Esper. Lee Rusciolelli, Dick's mother, who is a teacher's aide at Groves School, lives in Ridgecrest.

As if raising a family wasn't enough for JoAnn, she has served in the past as secretary to the NWC Commander, and still works as a WAE. She is a past president of WACOM, a member of the All Faith Chapel's Ladies Altar Society, and a member of the China Lake Women's Golf Club.

Dick also enjoys golf. He is currently a 14-handicapper, and plays whenever he has the time. He also collects autographs of famous visitors to the Center

Because of the nature of my job, I'm not much of a joiner,' Dick explained. "It is our work to assist all types of persons and societies, so I don't want to be a button-wearer," he concluded.

Page Six

In

The

Catbird

Seat

Orioles.

the incident.

out.

nwc rocketeer SPORTS

**By Jack Lindsey** 

Cubs in the Indian Wells Valley

Pony League, has turned in his

resignation. A victim of his own

temper, Denkin went after a fan on

Thursday, June 14, following the

game between his team and the

"I had just finished a lecture to

my ballplayers about keeping their

cool and acting calm, and I was

provoked into my doing something

like that. There's just no excuse for

it." Denkin said, in talking about

The hard feelings began early in

the game when the Cub shortstop

attempted to field a ground ball.

An Oriole baserunner (according

to Denkin), clearly interfered with

the baseman, but the youthful

Denkin called time out and took

to the field. "I explained to the boy

the rules of baseball, and told him

it was strictly a judgment play. I

explained that if the shortstop was

after the ball and he and the runner

touched, then the runner was out. I

also explained that if, in his

estimation, the baseman was not

after the ball, and they touched,

then the runner was entitled to

another base. The ump ruled the

runner out, after consulting the

The fans got on Denkin pretty

hard after that, as well as the boys

and management of the Orioles. "I

other manager (Percy Wiggins),

knows the rules of baseball. He

shouldn't have been agreeing with

Denkin put up with the har-

rassment throughout the game.

and when he was finally called a

"poor sport," which he feels he is

Denkin thinks the only answer is

to pull himself out of the sport. I do

not! For five years, he has given of

his time and energy to further the

sport of baseball on the Center.

Denkin doesn't have a son par-

ticipating in the Pony/Colt

He loves children. That much is

evident. And he feels responsible

that first period, he made enemies,

the fans," Denkin elaborated.

not, his temper snapped.

League.

other umpire," Denkin said.



tandem trailer. In addition, because the Vega GT Sportcoupe automobile was not available locally at the conclusion of the fund drive, Cdr. R. B. Nygaard, NWC's Deputy Director of Supply, who was the coordinator of the campaign, offered Dalpiaz a fourth choice-\$3,250 in Series "E" United States Savings Bonds.

following:



**NWC Sports Notes** 

record.

Residing in second place are the Royals and the Terriers, tied with two wins each. The Astros bring up the rear with four straight losses. To Guide All Stars

A manager and coach for the China Lake Little League All Star team have been chosen. Bob Gritton, who manages the Tigers in the major division of the league, will be the head mentor for the All Stars, and Woody Chartier, manager of the Giants, has been selected to coach the team.

The All Star team will compete for the right to advance to the Lancaster tournament against teams from Ridgecrest, Bishop and Lone Pine, in a single elimination tournament to be held July 20-21 at the Ridgecrest Little League's Stauffer Park.

This is the first step toward the Little League World Series, which is held each year in Pennsylvania.

Player of Week

Bob Beecroft, shortstop for the league-leading Cardinals, has been chosen "Player of the Week," in the Indian Wells Valley Colt League.

He was selected for his outstanding defensive play and for a 3- beating the Pirates, 9-7. for-5 week at the plate

Beecroft, who is nicknamed "Mr. Hustle" by his teammates, assisted in 11 putouts without an error, knocked in five runs, and stole three bases during the week of June 11-15.

The Cardinals continue to make a shambles of the league as they 8. The Red Sox dumped the Giants,

The Lions lead the standings in are now four games in front of the the China Lake T-Ball League after rest of the teams. The Cards sport two weeks of play with a perfect 4-0 a perfect 6-0 record, while the Mets, Dodgers and Giants, are tied with two wins and four losses each. **Tryouts Still Open** 

> Military personnel who missed the tryouts for the fast-pitch team that will compete in the 11th Naval District softball tournament July 23-27 at the Long Beach Naval Station, can contact Marty Denkin for a special tryout.

Denkin, who can be reached at NWC ext. 2334, will also hold tryouts tonight, beginning at 6 o'clock at Schoeffel Field, for military personnel interested in competing on the slow pitch team. The slow pitch tournament will be held July 16-20, also at Long Beach. Dodgers in Lead

The Dodgers won a pair of games within the past week to move into the undisputed lead of the China Lake Little League's Major Division

In a game against the Giants last Friday, Kevin and Ed Kumferman led the assault at the plate to aid the Dodgers to a 17-8 victory. Kevin slammed a homer as his brother was getting three hits in four times at bat.

Last Monday, the Dodgers ran into a stronger opposition, barely

The Yankees dropped a full game back of the Dodgers as they were surprised by the Red Sox, 7-5. Kenny Sorenson, a 10-year-old, slammed a home run for the Yanks.

In other action, the Yanks beat the Pirates, 8-5, and the Tigers, 14-5-3

# Hall Lanes To Burn Mortgage

The fifth anniversary of Hall Memorial Lanes will be celebrated at 2:30 p.m. today with a mortgage burning in the parking lot.

Rear Admiral Paul E. Pugh, NWC Commander, will preside over the ceremony, marking the freedom from financial encumbrance of the Center's 10lane bowling house.

In addition, so that bowlers may realize some benefit from the anniversary celebration Dean O. Ray, manager, has decreed that red pin bowling will be in effect the entire day, ntil midnight tonight Ray stated that keglers may bowl three games and only pay for two during this period.

At 10 o'clock tonight, door prizes will be given to persons who have registered during the day-long event. First prize is a bowling ball and bag, 10 free games will be given as the second award, and third place is good for five free games.

All residents and interested persons are invited to attend and join in the special events at the bowling alley.

Awards for American Junior Bowling Congress keglers will be presented tomorrow at Hall Memorial Lanes, beginning at 2

Trophies, patches and other awards for team bowlers and ndividual performances will be handed out by Sherry Ray, AJBC chairman in Ridgecrest.



defeated the team from VX-5 in the annual BATNAF game, played last Friday afternoon at Schoeffel Field. Each team put up \$50, donated to the Navy Relief Society, and seven innings were played. NAF won 1-up (4 innings to 3 for VX-5). Above, officials gathered around the keg prior to the game to discuss rules and regulations of the unusual encounter. More than 100 spectators donated \$1 each to Navy Relief to watch the game.

# **Kochman Baffles Hitters** In Fast Pitch League Tilt

the feature game of the Fast Pitch game Softball League.

team tallied 11 runs on 6 hits in the

loss of the season as his teammates Hideaway. were baffled by Bobby Kochman's flawless pitching during the last five innings of the game.

The loss dropped the Hideaway team into a first place tie with Sierra View Motors.

In other action last week, NAF tripped JD's, 9-5, in the second

# James Gang Tops could understand the fans, but that Communications In Slow Pitch

The James Gang and Communications softball teams met on June 13 to decide which team would take over first place in the Slow Pitch Softball League.

Communications played well but couldn't find the handle on the ball as they blew the game to The James Gang, 4-2. Marty Denkin, was the winning pitcher, with plenty of help at the plate from Art Donaldson

In other action, the Mayflower Movers contingent dropped the Dispensary, 22-6, despite some good batting by the "Docs." Central Staff squashed any title for creating a good, healthy en- hopes that the Movers might have vironment for them. He has seen been harboring later in the week the opposite end of the pole, close when they upset Mayflower, 9-8. Then, to further aid The James

When he first came to NWC from Gang, the Dispensary squad short the ghetto of Los Angeles, Denkin circuited Communications, 15-11. had a chip on his shoulder. During behind the hitting of Jim Bona.

Action on June 14 saw the lots of them. But then, people Pioneers pick up another win, this began to realize that his first time at the expense of the Oly's thoughts were for their children, Rollers. Reed Barlow had a perfect and they began to warm to him. 5-for-5 night at the plate, including He still has enemies. I guess a home run, to aid in the 22-10 most of us do. But Denkin has victory.

clearly worked very hard for our In the second game of the kids, one way or another. And, in evening, Supply was soundly most cases, he has been successful. thrashed by The James Gang, 15-8.

The Hideaway softball team game of the night. NAF scored four dropped a crucial contest to the runs in the ninth inning to break up Bud Eyre nine, 12-5, last week in a tie and win the extra-inning

ROCKETEER

Action on the following evening Romping to a quick 5-0 lead in saw the Texas Instruments team the first inning, the Hideaway nine give away a game to the Desert looked like a sure winner until the Motors contingent, 7-2. Eddie umpire didn't call the baserunner auto batsmen went to work. Payne and Dave Taylor both Smarting from the taunting of the homered for DM, while Ron Shiers crowd, members of the Bud Eyre collected a round tripper for TI.

The finale featured Sierra View second inning to put the game on smashing the VX-5 Vampires, 17-5, to move them into a tie for first Billy Brown suffered his second place in the league with The

BUBBLE BALL? - Marty Denkin, pitcher for The James Gang,

appears unconcerned as he merrily blows bubble gum spheres while

hurling his team to a win over the Communications softball team in a

recent game. The James Gang won, 4-2, and took over undisputed

possession of the lead in the Slow Pitch League.

## ROCKETEER

# \$7,800 Contributed to Navy Relief, **Incentive Award Winners Announced**

More than \$7,800 was raised. after expenses, for the Navy Relief Society during the 1973 fund drive that ended last Friday.

Ken Dalpiaz, head of the Vehicle Control Branch of the Security Department's Police Division, was selected to receive the top prize onthe final day of the campaign. Daluiaz had the opportunity to choose between a 1973 Vega GT Sportcoupe, a 1973 Vega "Woody" station wagon, or an 18 ft. Nomad

During the four-week campaign. 21 different incentive awards were offered by Navy Relief. Chuck Cordell, an engineering technician in the Atmospheric Applications Branch of the Research Department's Earth and Planetary Sciences Division, was awarded five of these prizes.

On May 26, Cordell was presented with two \$100 Savings Bonds from a list of six awards: on June 2 he received a \$25 gift certificate from Loewen's TV: on June 9, he again won a \$25 gift certificate, this one from BB's Cycle Center, and on the final day, Cordell's name was selected to receive the second grand incentive QA-50 Honda motorbikes.

11,000 names that could have been chosen to receive these awards, and Cordell had entered his name 225 times, the odds against his being selected once was approximately 50 to 1. To be chosen twice shot the odds to approximately 500 to 1. But, from there on, the odds become astronomical!

The assistance of an NWC mathematician was enlisted to aid The ROCKETEER in compiling Cordell's chances. He cited the

To be selected for four different prizes, Cordell was bucking odds of 8,310,680 to 1, and his chances of being chosen for a fifth prize became approximately 400 million seminar, special emphasis will be



SECOND AWARD WINNER - Defying astronomical odds of better than 400 million to one, Chuck Cordell accepts the keys to a pair of Honda QA-50 motorbikes, the second grand incentive award in recently concluded Navy Relief Fund Drive. Cordell's name was selected for the fourth straight week of the campaign. All told, he received five prizes during the four week period of the Navy Relief Fund Drive. Cdr. R. B. Nygaard, coordinator of the 1973 campaign, does the honors.

to 1. To further complicate matters, were purchased by the Navy Relief to be chosen at least once each Society, although the weekly prizes week shot the oddsmakers tally to were donated by Ridgecrest Pup program this summer at approximately 650 million to 1, and merchants. to be selected within the first three names each week - as Cordell was part. a very satisfactory fund - shoves the odds against such a drive." said Cdr. Nygaard. "The happening into the billions.

very lucky man, indeed.

J. P. Staples, an employee of the Systems Interpretation Group in help from the Navy Relief Society the Systems Development De- has been outstanding. award - his choice of either a partment's Guidance and Contronic oven as his choice.

School Lecture Center next

Wednesday, June 27, at 7:30 p.m.

Purpose of the seminar is to

acquaint parents and baby-sitters

with basic home safety, emer-

gency procedures, emer-

gency facilities, and the avail-

Because this is a summer

ability of emergency services.

"This has been, for the most

The grand incentive awards

response from civilian and One might say that Cordell is a military personnel on the Center, and from the residents of the surrounding area, to the call for

"I would like to personally thank Honda Trail 90 motorcycle or two trol Division, will take home all the keymen in the various the third grand incentive award. departments, and those persons As there were approximately Staples selected the Litton elec- who were on my committee," he Molly McKinney, 319 E. Church concluded.

# Safety Seminar for Baby Sitters Slated June 27 at Lecture Center

As a public service, the Optimist placed on summer-time hazards, A Club of Ridgecrest-China Lake will later meeting will emphasize terviewed by Col. Burke West, U.S. sponsor a baby-sitter safety holiday hazards. seminar for local youths and A panel of speakers will deliver parents at the Burroughs High

short lectures, and time will be who go to Camp Pendleton. allowed for questions and discussion.

Baby-sitters attending the of participation and a wallet-size certificate containing emergency checklist.

# **Photos Sought** For Maturango **Museum File**

Noting that many old timers on the China Lake scene have already retired, or may be planning to retire soon and leave the area, a call has gone out from the Maturango Museum for contributions to the museum's historical file.

Photographs showing early days at the U.S. Naval Ordnance Test Station, or souvenirs of unusual events that transpired when the Station was in its infancy, will be gratefully accepted, George Silberberg, president of the museum's board of directors, stated.

Contributions can be left at the museum on week days between 9 a.m. and noon, or from 3 to 5 p.m., and on Saturdays and Sundays between the hours of 2 and 5 p.m.

# School Assets To Be Divided ....

(Continued from Page 1) High School District's real and personal property.

Noting that the new unified school district will go into operation here on July 1, 1974, Dr. Rex Shacklett, local member of the County Committee on School District Organization, urged at Tuesday night's meeting in Bakersfield that an early cut-off date be set for the proceeding with the matter of determining the Kern High School District assets.

Under unification, all school buildings and equipment at election to the school board are Burroughs High and at Mesquite now being prepared, and must be High (the local area's continuation filled out and filed by candidates 59 high school) will automatically days prior to the Oct. 2 election-or become the property of the newly unified school district. Still left to be apportioned, however, are the Kern High School District's cash reserves remaining at the close of the 1973-74 school year, the

# Youths Invited **To Enter Devil** Pup Program

Applications are now being taken from young men, 14 to 17 years of Employees Government Life Inage, who are interested in taking surance program. part in the Marine Corps' Devil Camp Pendleton.

Local youths wishing to learn firsthand what the Marine Corps has to offer are invited to apply for 35 to 39 years, \$1.20; 40 to 44 years, the 10-day Devil Pup program that \$1.90; 45 to 49 years, \$2.90; 50 to 54 has been scheduled July 25 through Aug. 3 at Camp Pendleton.

Letters of application containing a reason for wanting to participate in this adventurous activity, as well as the applicant's name, address, birth date and telephone number should be sent to Mrs. St., Ridgecrest.

Since only 10 applicants from this area will be accepted. youngsters interested in participating are urged to act quickly. Those who apply will be in-Marine Corps Reserve, who will be instrumental in selecting those

districtwide store of equipment and supplies, and this area's share in such facilities as the district office in Bakersfield, the warehouse, transportation yard and central kitchen.

Oct. 2 is the date set by Harry Blair, Kern County Superintendent of Schools, for an election that will determine the composition of a seven-member board of trustees for the new unified school district in this area. Nomination papers for use by those wishing to seek no later than Aug. 4.

# Life Insurance Premium Rates To Be Reduced

Effective on July 8, 1973, the premium rates will be reduced for all employees who carry an additional \$10,000 in optional life insurance under the Federal

The reduction will result in the following new bi-weekly premium

Under 35 years of age, 80 cents; years, \$4.50; 55 to 59 years, \$10.50; and 60 years of age and over, \$14.

There will be no change in insurance premium rates for regular Federal Employee Government Life Insurance policy holders, nor is enrollment open in this program at the present time, Geraldine Pracchia, acting head of the Accounting and Disbursing Division's Payroll Branch, noted.

#### Aetna Agent Due

Paul Wilhelm, the Aetna Insurance representative, will be at the Community Center on Wednesday, June 27, from 9 a.m. until 2 v.m.

# Management Innovator of Year seminar will receive a certificate Award To Be Presented Tuesday

A talk by Dr. W. B. LaBerge, including line and staff employees telephone numbers and a safety NWC Technical Director, and of local, state and federal governpresentation of the R. W. ment, local school districts and **Bjorklund Management Innovator** of the Year award, will highlight next Tuesday's dinner meeting of the China Lake Chapter of the American Society for Public Administration.

The dinner, which is open to all interested persons, will get under way at 6:45 p.m. in the Mojave Room of the Commissioned Officers' Mess.

"Intended Management Philosophy at China Lake" will be the subject of the talk by Dr. LaBerge. The Bjorklund Award will be presented by Rear Admiral Paul E. Pugh, Commander of the Naval Weapons Center.

Objectives of the Bjorklund Award, which is presented in memory of a former head of Central Staff at the Naval Weapons Center, is to publicly recognize the employee whose contribution to meeting, which are priced at \$4.50 management reflects an ima- per person for non-members, can ginative, risk-taking approach be obtained at the COM or ordered of the management process.

A wide range of personnel are eligible for the Bjorklund award, tickets is Monday.



public service organizations in the Indian Wells Valley.

Tickets to the ASPA dinner to the alteration and improvement by calling either Jim Carter, at ext. 2902, or Nancy Carter, at ext. 2822. The deadline for obtaining



CHOOSES OVEN — J. B. Stapler (c.), an employee of the Systems Integration Group in the Systems Development Department, decided upon the Litton electronic oven as the third prize in the Navy Relief Fund Drive. He is shown with Cdr. R. B. Nygaard (I.), coordinator of the 1973 campaign, and Pete Longo, owner of Ace-TV in the Ridgecrest Plaza Shopping Center.

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## ROCKETEER

#### Friday, June 22, 1973

# **Husten Ends Long Career As** Leader in Fuze Development

#### By Glenn I. Voran

Benjamin F. Husten, head of the NWC Fuze Department, will retire from the Naval Weapons Center next Thursday, June 28. He and his wife, Dorothy, and son, David, will be at home at Laguna Niguel, near Newport Beach.

Husten began his Federal service in 1938 when as a 21-year-old lad he went to work as a machinist at the Navy Torpedo Station in Newport, R.I. In 1939 he moved over to the National Bureau of Standards as an engineering aid.

By this time, being aware of the advantages of higher education, he enrolled in night school at George Washington University, where he received a BS degree in 1944.

In 1942 he had advanced to the rating of physicist at NBS, and in 1946 was promoted to physicist, radio



**Benjamin F. Husten** 

engineering. His diligence in pursuit of education brought him a Master of Science degree in 1948, also from George Washington U.

Husten transferred to the Navy Bureau of Ordnance in January 1951, but returned to the Bureau of Standards in October of the same year, and the next month was sent to the Bureau's new laboratory then being established on the West Coast at Corona.

In 1953, recognizing the necessity for the fuzing of modern weapons with maximum assurance of safety, reliability and operational effectiveness, the Navy Department delegated the responsibility for technical direction for Guided Missile Fuze Research and Development to a single group - the U.S. Naval Ordnance Laboratory, Corona.

That same year Husten was assigned to supervise 12 scientists working on antennas and RF development. The next year he was named head of the surfing team. He also will be able to ride his 'cycle in Development Division, Fuze Department, and in 1957 the hills, and is real excited about the move. he was selected as head of the Fuze Department.

program since its inception and is generally recognized as the principal technical executive whose leadership has brought about the successful culmination of both the world-wide recognized performance and continuing reputation of the NWC foot sailing ketch, "Damarique," now berthed off Fuze Department.

Navy, Army, Air Force, and the private industrial community both for his management expertise and significant technical inputs to operational guided missile fuzes, safety and arming devices, and came naturally to him. associated fuze system components.

Joint Army, Navy, Air Force Fuze Committee, and has personally made or directed a large number of technical presentations on various aspects of fuzing at the DOD, DDR&E, CNO, CNM, NAVAIR, and sailing, he and Dorothy have spent many enjoyable NAVORD levels.

petency is also international in scope. He has served Tunnel, Trona and the Randsburg area, among several terms as technical advisor on the Navy Data others. Often they start down an unknown trail just to Exchange Program with France, and as technical see where it leads. expert representing the United States on a They don't have that problem now, for they know cooperative program with the British for the exactly where this last retirement trail is leading establishment of special flight tests, and the them!

development of model ranging techniques.

In addition to his competence in fuzing technology, Husten's administrative ability has led to a highly efficient, closely knit group of dedicated scientists and engineers who now make up the Fuze Department at the Naval Weapons Center.

Husten has been granted two patents. He was the co-inventor of the first atomic clock; accomplished during his days at the National Bureau of Standards. He also co-invented the active / passive fuze system in 1960 for which he was presented an Incentive Award in 1965 when the full potential of this accomplishment was realized.

Among his many other honors and awards are a Letter of Commendation from Rear Admiral Masterson in 1963 for supervising the successful accomplishment of a stringent schedule on a special classified project (known only as the "ESE") for the Secretary of Defense.

In addition, he has two Letters of Appreciation the most recent one from Rear Admiral Woods, NOSC, in 1970 for special help in preparing a presentation for Dr. R. A. Frosch, Assistant Secretary of Navy for Research and Development. The other was in appreciation for Husten's work as a member of the policy board for the Navy Laboratories' Board of Civil Service Examiners.

Last year, Husten was presented the L.T.E. Thompson Award from the Center. One unusual Memorandum Award commends him for having donated more than a gallon of blood during World War II.

He has served the Naval Weapons Center as a member of the Center Awards Committee and as a member of the Wm. McLean Awards Committee. He is resigning from the Safety Review Sub-committee. Husten also is a member of Sigma Phi Sigma,

honorary physics society, and Sigma Xi, honorary physical science society. Husten and his wife Dorothy have four children.

The two older ones are school teachers. Eileen teaches third grade in the Sunnymeade District and Barbara, who earned her teaching credential this past December, teaches second grade in the Jurupa District. Both are in the Riverside area.

John, the Hustens' third child, is a student in his second year at Cal Poly, San Luis Obispo, where he is majoring in business administration. The youngest

> A retirement party honoring Ben Husten has been scheduled next Thursday, June 28, starting at 6 p.m. at the Chief Petty Officers' Club. Persons interested in attending must make reservations no later than Monday by calling NWC ext. 3379.

son, David, has just completed his sophomore year at Burroughs High School.

Dave is looking forward to enrolling in Dana, a brand new high school where, he says, they have a

Ben and Dorothy Husten were married in Husten has had a major impact on the Navy's fuze Washington, D.C., when he was attending George Washington University. They will celebrate their 30th anniversary in August. His mother still lives in-Newport, R.I.

Husten has an interest with Bob Hamilton in a 35-Lido Isle at Newport Beach. It is a wooden-hulled He is recognized in the guided missile circles by ocean craft, built in Holland, plenty seaworthy and comfortable

> Having been born and raised in Newport, R.I., he was introduced early to the lure of the sea and sailing

He and Hamilton also own a 20-ft. day-sailer built Nationally, Husten has served as Chairman of the for speed and fun. It is used mainly by the younger generation of both families now. It occupies an anchorage at Balboa Island.

During his tour here at China Lake, when not week-ends just rambling on sight seeing trips around His stature in the field of weapons fuzing com- the local area. They have explored Burro Schmidt's



COMMENDATION MEDAL PRESENTED — Congratulations were extended last Friday by Rear Admiral Paul E. Pugh (at right), Commander of the Naval Weapons Center, to Chief Electrician's Mate Horace L. Hamrick following the presentation of a Navy Commendation Medal to EMC Hamrick. The latter, now assigned to the Explosive Ordnance Disposal unit at China Lake, was cited for meritorious service during the period of April 22-28, 1972, while assigned as the senior enlisted man attached to EOD Unit 1, Team 37, assigned to Detachment Subic. EMC Hamrick assisted in conducting a clearing and explosive ordnance disposal operation aboard the Destroyer USS Higbee, which had been hit in its after magazine by enemy shelling. The resultant explosions scattered projectiles and powder cases throughout the area creating an extremely hazardous situation which presented a grave threat to both the ship and its -Photo by PHAN Jerry Sizemore

# **Elementary School District** Summer Program To Begin

A varied and interesting summer authorization, available through school program will again be of- the elementary school district The summer school program will reading clinic.

run from Monday, June 25, through Friday, July 27. Parents who wish graders will be offered a variety of their children to attend the elective programs to fill their elementary school district at Foreign languages, math, mesummer session.

be accepted throughout the offered summer school program, so a Children taking the elective family vacation needn't mean a program, which is to be held at child will miss out completely.

through pre-eighth grades, will be gistration will assure a wider held in Trona Elementary School, selection of available classes. as well as at Las Flores School in All students are urged to take at Ridgecrest, and at China Lake's least four classes, and those who Pierce and Vieweg Schools. are to be bused must take the full Children in these grades will at- program of five classes, except for tend summer school classes in a Invokern and Trona students controlled classroom situation riding the bus, who will only have from 8 a.m. until noon.

for the primary program may with their parents to the 7:30 bring their children directly to the opening period, then take the bus program on the first day of sum- Since students who sign up for mer school, or at any time during only two or three classes will find the course of the program.

A wide spectrum of activities, including arts and crafts and phy- would be more assured if each sical exercise, will enliven the student would pick out his own full classroom day for the youngsters schedule, summer school officials in the primary program. In ad- point out. dition, a remedial reading clinic

fered by the China Lake office, if they wish their child, who Elementary School District to pre- has been recommended for this first through pre-eighth graders. program, to attend the remedial Pre-fourth through pre-eighth

program are urged to visit the summer school day, which will run summer school office of the from 7:30 a.m. to 12:30 p.m. Murray School as soon as possible chanical drawing, cooking, arts to register their children for the and crafts, archery, gymnasium activities, swimming, and golf are Continuous registration also will only a few of the classes being

Murray School, may pick out the The primary program, pre-first classes they want. Early re-

time for four classes. If students Parents who miss out on pre- from these two communities wish registration at the district office to take five classes they may ride nearest school offering the home at the end of the school day.

> their schedule arbitrarily filled out with other classes, pupil happiness

Complete information on all will be offered to children whose elective classes is available at the classroom teachers have recom- China Lake Elementary School mended their attendance. This District office. Students should clinic will be held at Pierce School. register as soon as possible for Parents must sign a letter of greatest selection of classes.

jectives.

# Four Members Added To **Center's EEO Committee**

Commander.

ployment Opportunity matters, members of the Center's EEO of his race, color, religion, sex or Division. national origin.

Selected to join the committee, under the chairmanship of C. E. Van Hagan, who heads the Technical Information Department, were Joanna Gniewek, Dorothea Naumu, Joachim Flores and Horace Stanton.

Mrs. Gniewek, an employee in the NWC Supply Department for the past 23 years, is now head of the Control Division. She began her Civil Service employment here as a GS-3 inventory counter and worked her way up to become head of the Inventory Division before assuming her present duties 12 years ago.

A widow, Mrs. Gniewek has one Alamitos after having attended high school here.

Security Branch.

A local resident for the past 3½



# Friday, June 22, 1973

# Low-Cost Turbojet Engine Developed ...

(Continued from Page 1) had much to offer.

reflected a sound technical ap- ordnance turbojet.

In late 1969, a joint NASA / NWC engineering team was established. Together this team faced the challenge of designing a turbojet quantity for an unprecedented unit and increased design complexity, which necessitated addition of a gas-generator starting cartridge and electrical power generator, have increased the estimated production cost to \$5,800.

The engine, like a solid rocket motor, is primarily intended for use in missiles rather than manned

aircraft. Consequently, NWC severe. Also, since engine restart related experience and expertise of engineers borrowed heavily from NASA's Lewis Research Center rocket technology, rather than from aircraft engine technology, in NASA's existing design for a developing a philosophy for 1,000-lb.-thrust turbojet engine designing, testing, and using the

requirement. The detailed cost system that was required to per- will be delivered "ready to use," analyses that supported NASA's form for only a few minutes over a needing only final mating with the design constituted an even further relatively narrow performance airframe. appealing factor. NWC and NASA range-an expendable system that engineers agreed that certain would operate on a one-shot basis. simple design modifications and an Further, they envisioned a factoryoverall scale-down would satisfy sealed, all-up package requiring the engine design and cost ob- neither maintenance nor parts replacement.

The adoption of this ordnance philosophy, and its direct application to engine development, pointed to several major areas in engine that could be produced in design, fabrication, and assembly that could realize practical cost cost of \$3,500. An inflated economy reduction. For example, complex fuel controls are not necessary for the foreseen mission applications. Similarly, prelubricated, sealed bearings can take the place of the more sophisticated conventional lubrication system.

> Since the total operating lifetime of the engine is only a few minutes, cooling requirements are less

is not required, additional design simplifications can be employed. Instead of assembling components using conventional fasteners (nuts. bolts, screws, etc.), the completed engine will feature welded or proach to achieving the low-cost They envisioned a propulsion bonded interface joints. Thus, it

#### **Objectives Achieved**

In terms of compactness and small size, the design objectives of the development program have been achieved. The 12.5-in.diameter axial-flow engine is 31 in. long and weighs about 120 lb. It will generate approximately 700 lb. of thrust under static conditions at sea level. The thrust specific fuel consumption of the prototype engine is a low 1.10 lb. of fuel per hour per lb. of thrust.

The inherent simplicity of a basic turbojet engine has been preserved as there is but one rotating component: a single-stage turbine and a four-stage compressor coaxially mounted on front and rear sealed bearings. A fivestage compressor to replace the existing four-stage unit is currently being investigated to provide greater thrust (850 to 900 lb. at sea level).

#### **Construction Details Differ**

The turbine and compressor components of the NASA/NWC tionally the same as those of a conventional engine-are markedly different in their construction details. The individually replaceable blades normally featured in conventional turbojet engines are replaced in the lowcost design by turbine and compressor stages that are integrally cast, or stamped and coined from sheetmetal. In addition, inexpensive sheetmetal is also used for the one-piece annual combustor, which is normally a costly and often-replaced engine component consisting of many parts.

The metamorphosis from concept to hardware has been realized through coordinated effort in the analysis, design, and prototype fabrication stages. Following a detailing of the final deisgn, the NASA / NWC review committee in November 1970. Design acceptance included the award of authority to the issuance of bid requests to components manufacturers.

#### **Contracts Awarded**

At the end of fiscal year 1971, all bids had been reviewed and the bulk of contracts had been awarded to successful bidders. Progressively, fabrication of engine components was accomplished and individual test programs were begun. No significant development problems years, Mrs. Naumu came to China teacher, and the couple have three were encountered, and the first engine was installed in the test cell at Lewis Research Center in December 1971, where it has since undergone extensive tests.

Fiscal year 1972 and 1973 emphasis has been concentrated on fine tuning of the compressor section to provide greater overall A secondary benefit is the engine performance.

The program, which was initiated by Dr. G. W. Leonard, head of the Propulsion Develop- missiles of the future. by H. G. Wilson, former NWC on the low-cost subsonic turbojet the end of July.

HERE FOR FAMILIARIZATION TOUR - Brigadier General Walter F. Daniel (seated in left front seat of helicopter) visited the Naval Weapons Center on Tuesday and Wednesday in order to acquaint himself with the Center's test and evaluation facilities. Brig. Gen. Daniel, who recently assumed duties on the staff of the Office of the Director of Defense Research and Engineering (Tactical Systems Test and Evaluation) was accompanied by Leroy

Riggs, head of the Electronic Systems Department, on a flight to

Echo Range where he witnessed a test program in progress.

Technical Director, is now under the management of Dr. W. B. Laberge, the present Technical Director

#### **NWC Design Team**

The original NWC design team, composed of personnel from the Propulsion Development Department's Advanced Technology Division, is headed by Harold Larsen, assistant for concept development. Dick Fulmer is the propulsion project engineer for the flight test for Phase I development (analysis program; Gary Burgner, deve- and design) of a supersonic turlopment engineer (mechanical bojet. The projected engine design design and engine performance): Dr. Darrell Walker, developmental engineer (aerodynamic design and 14 in. Low unit production cost is a engine performance); and William specific program goal. Sutherlen, development engineer In January 1973, Phase II con-(aerodynamics and systems inte- tracts were awarded to Aigration).

Condor Program Office, has test critical engine components. overall responsibility for the flight demonstration program.

NWC's long-standing role as a foremost pioneer in missile propulsion-developing a wide variety of systems for many types of missiles-has provided a firm foundation of experience for the current task. An immediate benefit of this experience was the ability of the Center's engineers to formulate necessary operating parameters and generate a complete set of design specifications for the low-cost turbojet engine in a short time

growing awareness among the propulsion community that turbojet engines have a role in

engine, NWC is also assisting NAVAIRSYSCOM in its expendable turbine engine program by writing specifications; developing mission requirements. and acting as technical coordinator for engine development on contract.

#### Further Developments

In late 1971, contracts were awarded to Garrett / AiResearch Co., Phoenix, Ariz., and Curtiss-Wright Corp., Wood-Ridge, N.J. speed is Mach 1.5 at sea level, and the maximum engine diameter is

Research, Curtiss-Wright and Nadim Totah, Head, NWC Pratt & Whitney to fabricate and

# Headed for Peru..

(Continued from Page 1)

Negra for a day of acclimatization, and later make arrangements for porters, arrieros, and horses to transport expedition food and gear to an area not far from the base of the Chincey-Pucaranra saddle, via the Quebrada Quilcavhuanca out of Huaras.

Basecamp will be established on the saddle at approximately the 14,000 ft. level. From there, high camps will be set up from which the group will attempt climbs of Chincey and Pucaranru, both mountains above 20,000 ft. in elevation.

Beyond that, as time allows, attempts also will be made to scale other mountains in Peru. The ment Department, and supported In addition to its work with NASA mountain climbers will return at



Rear Admiral Paul E. Pugh, NWC career Navy man with 161/2 years in the service, is the mother of In addition to serving as an three boys and two girls ranging advisory group on Equal Em- from 7 to 15 years in age.

Flores, a transfer to China Lake from Corona 21/2 years ago, is Committee also act as counselors employed as an electronic and are available to counsel any technician in the Radar Systems employee who feels he has been Branch of the Electronic Systems denied equal opportunity because Department's Electronic Warfare

A Civil Service employee for the past 12 years, Flores began his work for the government as an electronic mechanic at the Marine Corps Supply Center in Barstow. He was accompanied to China Lake by his wife and their three children - two boys and a girl.

A former chemistry instructor at Texas Southern University in project was examined by a Houston, Tex., Stanton has been employed at China Lake for the past 17 years and is now a chemist in the Explosive Branch of the proceed with fabrication. This Propulsion Development De- action, in turn, initiated the partment's Applied Research and preparation of specifications and Processing Division.

At work he is involved in continuing research and development efforts leading to the development son who is now living in Los of new and improved plastic

bonded explosive formulations. Stanton is a member of the IWV The wife of a Navy storekeeper branch of the National Association first class, Mrs. Naumu is em- for the Advancement of Colored ployed as a clerk-typist in the People and at one time, in the early Security Department's Internal 1960s, served as vice-president of the local group.

Stanton's wife, Winnie, is a Lake with her family from the school-age sons.



Joanna Gniewek Dorothea Naumu Horace Stanton



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