Spring Festival to open Wed. at fairgrounds in Ridgecrest

Sunday, May 27.

tractions for the Spring Festival.

Gates of the fairgrounds will open at 5 o'clock on Wednesday, Thursday and on the fairgrounds. Friday and at noon on both Saturday and Sunday. Closing time will be around 10 p.m. of the NWC Safety and Security Departon Wednesday and Sunday, 11 p.m. on Thursday, and midnight on Friday and Saturday.

Admission to the Spring Festival is 50 cents for everyone 12 years of age and over. Senior citizens will be admitted free; however they must be prepared to show identification cards.

Three major rides - the Yo-Yo, the Scramble and the Flying Bobs - are featured by the SJM Fiesta Shows. Also on the carnival midway there will be a ferris wheel, the loop-a-plane, a big slide, the hurricane ride and the zipper. For tiny tots, some kiddie rides will also be available.

Local groups manning booths at which food and refreshments will be offered for sale, in addition to the KofC sponsors, are: Ridgecrest Kiwanis Club, pizza pie and soft



Music and dancing galore is scheduled this weekend at the Chief Petty Officers'

Tonight the CPO Club will present the Kathy Talley band, a four-piece group consisting of three guys and a gal. The combo plays country music and is traveling here from the Los Angeles area.

The dancing and entertainment will begin at 9 p.m., after a meal of prime rib that will be served from 6 to 9 o'clock.

On Saturday night, the Bill Webb band, a contemporary music group, also from the Los Angeles area, will be on hand for CPO Club patrons' listening and dancing pleasure from 9 p.m. to 1 a.m.

Pool tags are now on sale at the CPO office from 8 a.m. to 4 p.m. Monday through

Members will be allowed use of the pool on the Memorial Day weekend from 11 a.m. until 7 p.m. Regular daily use of the pool will begin on Saturday, June 9.

Commissioned Officers' Mess

There will be dancing to recorded disco music from 8 to 12 a.m. tonight at the Commissioned Officers' Mess.

Saturday will be "King of Roasts Nite" at the COM, and the menu will be prime rib of beef served from 6 to 10 o'clock.

A special steak cookout on the patio has been scheduled on Thursday, May 24. Patrons will barbecue their own steaks and get the rest of their meal from a buffet line and a salad bar.

The steak cookout will be held from 6 to 9 p.m.

Enlisted Mess

Tonight at the Enlisted Mess, back by popular demand, Hanley Page a rock music group from the Los Angeles area will be performing for the listening and dancing pleasure of all EM patrons.

Prior to the group's performance, which will begin at 9 o'clock. there will be a surf'n in the world, so that no future generation turf meal served in the dining room from 6 need suffer in this way again." to 8:30 p.m.

be closed for the Junior and Senior prom. the patriotism of Vietnam Era veterans.

To conserve gasoline, promoters of the drinks; Eagles Lodge, chili and tacos; 1979 Spring Festival urge China Lake- Fleet Reserve Association, ice cream; Ridgecrest residents to seek their Memorial Moose Lodge, hamburgers; IWV Branch of Day weekend holiday fun no further from the National Association for the Adhome than the Desert Empire Fairgrounds vancement of Colored People, fried chicken; Indian Wells Valley Lions Club, This annual event, sponsored by the corn on the cob; American Legion, hot dogs; Knights of Columbus, will begin next Eagles Auxiliary, soft drinks; Sunshine Wednesday, May 23, and continue through House, sundry items; Exchange Club, wine

The SJM Fiesta Shows once again are Bill Gomez, chairman of the 1979 Spring providing the carnival and midway at- Festival, reports that a large number of displays and sale booths will be set up in Joshua Hall, the permanent exhibit building

> Local exhibitors include the Fire Division ment, Kern County Fire Station, the Indian Wells Valley TV FM Booster, Inc., the Indian Wells Valley Spay and Neuter Program, Right to Life Organization, Hi Desert Sun Dancers, Beeline Fashions, Todd's Secretarial Service, and Navy Recruiters. There will also be many out of town exhibitors, such as the U.S. Forest Service, and Bureau of Land Management.

In addition, various commercial enterprises ranging from those selling leather goods, candy, photo portraits, jewelry and hand-carved woodwork to motorbikes and bicycles will display their wares in Joshua Hall, while out on the midway El Dorado Mobile Homes will set up a mobile home.

On the entertainment bill of fare this year there will be free professional entertainment on the outdoor stage near Joshua Hall from 7 to 10 p.m. Friday and Saturday. On Wednesday night beginning at 7 o'clock belly dancers will perform and then on Thursday at the same time gymnasts will put on a demonstration.

One of the new attractions planned for this year's Spring Festival is a "Disco Dance," which will be held at the new Arts and Crafts Building. Admission for this nightly event, beginning at 6, will be \$1 per person or \$1.50 per couple. A disco dance contest will be held each night with the top dancers competing on Sunday for first through third place prizes.

Discount ride tickets may be purchased up until opening day from members of KofC, and from various other clubs and organizations throughout Indian Wells Valley. Persons may also telephone Ron Lloyd at 446-4814 or Dick Stokes at 375-7923 for further information on discount tickets.

Library to join in salute to veterans of war in Vietnam

Books pertaining to Vietnam Era veterans will be on prominent display at the Naval Weapons Center's Library during a "National Salute to Vietnam Veterans" week to be celebrated from Monday, May 28, through Sunday, June 3.

Jimmy Carter called upon all Americans to observe the week with appropriate ceremonies and activities to "convey our honor and appreciation to these veterans for

fully recognized those who fought in Southeast Asia for their service and

Southeast Asia, the majority have successfully rejoined the mainstream of

"To them," he said, "and to all who served or suffered in that war, we give our means to establish a just and lasting peace

Tomorrow night, the Enlisted Mess will fellow veterans, and organizations, to honor



NAVY LEAGUE OFFICERS INSTALLED — David Teasdale, the outgoing president of the Indian Wells Valley Council of the Navy League, passes the gavel to the new president, Tom Andress, in a ceremony at the Commissioned Officers' Mess on Thursday, May 10. Vivian Boultinghouse, executive vice-president, and RAdm. William L. Harris, NWC Commander, who was guest speaker at the dinner

Concert Association to elect new directors at meeting Monday

May 21, to elect new members to its board of directors and to conduct its annual business

The meeting will be held in Ridgecrest at the Las Flores School cafetorium, starting

All persons who hold paid 1978-79 season tickets, regardless of their age, are eligible to vote on any business matters that may

During the business portion of the meeting, topics to be discussed will include a review of the past season, the financial report, the auditor's report, and a preview of the coming season.



Michael Ansara

(Adventure Drama, rated PG, 98 min.)

"DIE SISTER DIE"

Starring

Kent Smith and Antoinette Bower

(Horror-Drama, rated PG, 92 min.)

"BLOOD BROTHERS"

Starring

Paul Sorvino and Tony LaBianco

(Drama, rated R, 117 min.)

"EVERY WHICH WAY BUTLOOSE"

Starring

Clint Eastwood and Geoffrey Lewis

(Action-Comedy, rated PG, 98 min.)

"RACE FOR YOUR LIFE

CHARLIE BROWN"

Animated Cartoon

(rated G, 105 min.)

1:30 Matinee - regular adm.

"THE KIPLING CODE"

Starring

Alain Noury

(Drama, rated R, 91 min.)

MAY 25

MAY 26

Starring Richard Drevfus (Science Fiction, rated PG, 135 min.) 1:30 Matinee - regular adm. "DOLL SQUAD" Starring

MONDAY

WEDNESDAY

In a recent proclamation, President their service and sacrifice."

The President said, "This nation's moral debt to Vietnam Era veterans still remains outstanding. . . As a nation, we have not yet sacrifice."

The President observed that of the millions of Americans who served in

solemn pledge to pursue all honorable

President Carter urged fellow citizens and

The Indian Wells Valley Concert automatically continue for another year are Association (IWVCA) will meet on Monday, Jean Harris, Alan Paulsen, Mary Lee Thomas, William Webster, and Glenda Yu. Directors retiring this spring are Jer Backman and Eric Nye.

Nominees for the board of directors, in alphabetical order, are:

Anna Marie (Mrs. Andrew) Bergens (incumbent) was a member of the Desert Community Orchestra Board 1971-75, and served as president for two years. She has been active in the Music Parents organizations at Burroughs High School and Ridgecrest elementary schools.

Gary Burgner, a resident of the area since 1968, is planning to study the piano. He served on the IWVCA program committee

Hubert (Bert) Burroughs is a collector of record albums, especially classical music from the baroque and classical periods. He is a member of the China Lake Desert Dancers.

Linda (Mrs. Jeff) Grossman plays the piano and has had a life-long interest in music. While in college she participated in a number of musical productions and ac-

Carl Helmick (incumbent) has had a lifelong interest in music and has been involved in numerous musical activities. He plays cello and viola da gamba and also has sung in church choirs. He has been a member of the IWVCA board of directors since 1973.

Elizabeth (Mrs. Ron) Hise, a member of the Concert Association since its inception, has been active in many community tivities. She plays violin, guitar and dru

Carl Morley (incumbent) plays the piano and has served as accompanist for many musical activities, including the accompanying of students in tryouts for Arrowbear Music Camp scholarships.

Lou Ava (Mrs. E. John) Seybold has been involved in many musical activities since moving here in 1947. She is a charter member of the Desert Community Orchestra, Music Parents' Club, High Desert Music Teachers Association and currently is a private music teacher of piano, organ and woodwinds.

Gene Younkin played clarinet and saxophone in high school and college bands and orchestras. He is a long-time member of the Concert Association and was member of the IWVCA board of directors.

U.S. Government Printing Office:

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New Mission Control Facility to be dedicated

The Naval Weapons Center's new Mission Control Facility (MCF), a new radar control site near "G" Range, will be dedicated next Wednesday, May 23, during a ribbon cutting ceremony officiated at by Rear Admiral William L. Harris, NWC

The MCF, which comes under the Range Operations Division of the Aircraft Department, will have surveillance of all airspace over the NWC ranges. MCF personnel coordinate with range controllers, the range scheduling office, and Edwards Air Force Base radar approach control to ensure that non-participating agencies (both ground and air) are not in conflict with tests in progress. **First Priority**

The operations concept is designed to give first priority to the research, development, test and evaluation and operational training missions of the restricted airspace (R2508) complex's primary users.

The restricted airspace in R2508 is bounded on the north and south by Palmdale and Bishop, respectively, on the east by Las Vegas, and in the west by Bakersfield - an area larger than the State of Delaware.

The MCF will make every effort to meet other users' requirements of this airspace on a not-to-interfere basis.

In emergency situations, the MCF controllers work with the tower and range controllers in directing aircraft over the restricted airspace to the the landing runway using the shortest route possible. The facility uses OD58 optional radar displays with numeric aircraft readout known as direct altitude and identify readout.

Service To Grow in Future

A spokesman for the facility stated that sometime in the future, MCF will not only monitor local flights but would expand to more extensive air traffic control services.

The MCF has a manning level of nine radar-experienced controllers, but due to a Navywide shortage of controllers will operate with four controllers.

The senior controller is AC1 Chuck Fulks. Others assigned to MCF are AC1 Ron Wright, AC1 Ron Isgriggs, and AC1 Gary

Aviation Machinist's Mate First Class

Kent Gibson has won the coveted Naval

Weapons Center's Bluejacket of the Month

AD1 Gibson supervises Navy enlisted

personnel assigned to the Cold Line at

Armitage Airfield, and serves as division

collateral duty inspector of assigned air-

that "the zeal Petty Officer Gibson brought

to this division has been infectious on all,

and is reflected in the positive attitude the

division has toward the Command's

In addition to his regular duties, AD1

Gibson learned to taxi the U-9D aircraft on

the line in a minimum time. The U-9D

cannot be towed because of extended

electronic gear and consequently must be

taxied when it has to be moved. "You have

Honor Man in Class

AD1 Gibson reported to China Lake in

August 1978 from the Naval Air Technical

Training Center in Memphis, Tenn., where

he attended a three-month course in air-

craft power plants and related equipment.

He received a certificate from the Center's

Commanding Officer for being the honor

man of the class of 12 senior petty officers.

Before being sent to Memphis for this

specialized training, he served with Patrol

Squadron 24, homeported at the Naval Air

Station, Jacksonville, Fla. During the last

year of his tour there, the squadron won the

Navy's Battle "E" (Efficiency) Award as

top patrol squadron on the East Coast. Also

while with this squadron, Gibson was

to steer it with your feet," Gibson said.

His recommendation for the award noted

craft and as training petty officer.

Award for April.

nwc rocketeer

May 18, 1977

Vol. XXXIV, No. 20

Tech. Director Award presented for work on rocket motor that can be fired from 5-in. gun

Director's Award in recognition of outstanding technical accomplishment highlighted Monday morning's Commander's meeting held in the Management Center of Michelson Laboratory.

Singled out to receive this special form of a Superior Achievement Award was Dwight L. Weathersbee, an aerospace engineer in the Systems Technology Branch of the Ordnance Systems Department's, Propulsion Systems Division.

The award was presented by Bob Hillyer, NWC Technical Director, in recognition of Weathersbee's leadership of a team effort that has resulted in the development of a rocket motor which will survive the environment imposed by firing it from a Navy 5 inch, 54 caliber gun.

Basis for Award

In the letter of commendation which accompanied the Technical Director Award, it was noted that "this development could not have been possible without your (Weathersbee's) contribution to the propulsion system through sound design engineering practices and innovative application of technology."

The resulting rocket motor design, it was pointed out, will enhance the capability of the Navy's gun systems. In addition to the letter of commendation, Weathersbee also received an engraved paperweight and a

Weathersbee has served for the past seven years as the technical program manager on the 5 in. Guided Projectile Propulsion System — a program that comes under the cognizance of the Naval Surface propulsion development of this projectile, Weapons Center (NSWC), Dahlgren, Va., and has shared responsibility with NSWC

selected as the "Sailor of the Quarter" for

From 1972 to 1975, AD1 Gibson served in

Reconnaissance Heavy Attack Squadron 3,

located (when he was first assigned) at the

Naval Air Station, Albany, N.Y., and later

AD1 Gibson entered the Navy at Daytona

Beach, Fla., in November 1971. He was

AD1 Kent Gibson

1971. Since entering the Navy he has taken

courses at nearby colleges and is presently

enrolled in an airplane mechanics course at

Cerro Coso Community College in

supervisor LCdr. C.M. Grauert, line division

In recommending him for the award, his

Ridgecrest.

graduated from high school there in June

AD1 Kent Gibson singled out as Bluejacket of Month

the third quarter of 1976.

at Key West, Fla.



served for the past seven years as the technical program manager of the 5 in. Guided Projectile Propulsion System, receives the NWC Technical Director Award from Bob Hillyer. The presentation, which took place Monday morning during the Commander's meeting, recognized Weathersbee's leadership of a team effort that has resulted in development of a rocket motor that will survive the conditions which occur at the time it is fired from a 5 inch, 54 caliber naval gun.

which is tasked by the Naval Sea Systems for the folding fins which deploy after the Command as the Navy's lead laboratory for guided projectile development.

During this period, the Naval Weapons Center has been fully responsible for the

qualified on the U-9D and is now working

long overtime hours on his qualification as

LCdr. Grauert said that although AD1

Gibson was new to this command and its

aircraft, he had quickly familiarized

himself with the numerous complex

systems of each type aircraft serviced on

Other Favorable Qualities

"An organized, methodical thinker with a

strong quality assurance background, he

was actively sought after and appointed the

divisional collateral duty inspector. He

shows constant concern for his men and

willingly spends hours of his own time

providing help to those who need additional

on-the-job training," LCdr. Grauert con-

The letter also stated that Gibson in-

tensified the training program because of

the continuous turnover of personnel on the

line with positive results. "Favorable

comments on the plane captain's safe,

professional performance are routinely

For being selected as the April

Bluejacket, AD1 Gibson and his wife,

Gloria, will be the guests of a member of the

Military Affairs Committee of the Greater

Bakersfield Chamber of Commerce in

voiced by the pilots," LCdr. Grauert said.

flight engineer on the C-131."

the Cold Line.

stability and roll control. The NWC project team developed the slip obturator subsystem which decouples the round from the gun rifling and seals the gun

chamber pressure. Systems Works After Launch

projectile leaves the gun barrel to provide

The problem which has been overcome by Weathersbee and his co-workers, Hillyer said during the Commander's meeting, is the development of a propulsion system that must work after instead of before the projectile has been launched. Therefore it nust survive the shock of being fired.

The rocket motor, which ignites in flight after a predetermined ignition delay time, incorporates a very high performance end burning design which operates at higher than normal chamber pressure and produces a very high volumetric impulse

In 1st week, \$1,800 contributed to Navy

first week of the Navy Relief Society fund drive at the Naval Weapons Center, LCdr. Ted H. Faller, co-chairman of the fund drive, said Monday.

donations and \$1,420 presented by the Officers' Mess as the Navy Relief Society's WACOM-sponsored Thrift Shop.

was incomplete. "We are undoubtedly doing better than the figures show and will be able to better assess how contributions are doing after department / division turn-ins today," he said.

name of one of eight military women who

(Continued on Page 3)

Bakersfield.

officer, stated: "During the last six months, he has proven to be exceptionally competent and has demonstrated the ability to quickly grasp the formidable duties and responsibilities of line supervisor. In a minimum time he has become turn / taxi

(Continued on Page 3)

Relief Fund drive

Nearly \$2,000 was collected during the The figure represents \$400 in individual

Women's Auxiliary of the Commissioned share of profits from the operation of the LCdr. Faller stated that the first week of returns from departments and divisions

Donations are being made this year in the

(Continued on Page 3)



THRIFT SHOP AWARDS PRESENTED - B. W. Hayes, NWC Deputy Technical Director, recently presented certificates of appreciation for volunteer work in the Thrift Shop to (I.-r.) Isabel Gaines, Gunilla Giegerich, and Jean Harris, 20-hour awards; and Janet West and Elaine Adams, 100-hour awards. Others who earned awards but could not be present for the photograph were Jean Giuliani, Priscilla Kinley, and Betty Miller, 20-hour awards.

Charitable organizations receive dividend from Thrift Shop sales

Local charitable organizations have received \$6,700 from proceeds of the China Lake Thrift Shop, operated by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) since November 1978, it was reported this past week.

WACOM divides up the Thrift Shop funds in November and May of each year. In November a total of \$3,600 was donated and in May 1979, \$3,100 was granted by the general membership to worthy causes.

The largest share of this month's donations, \$1,420, was given to the Navy Relief Society's annual fund drive now in progress at the Naval Weapons Center. Another \$130 was given to the local Navy Relief office to enable it to restock the pantry it maintains.

Other recipients of Thrift Shop funds were the Community Light Opera and Theatre Association's building fund, \$130; Homemaker Service of Indian Wells Valley, \$50; "Happy Times" Senior Citizens, \$200; Sunshine House, \$200; We Care of IWV, Inc., \$300; Problem Pregnancy Assistance, \$100; IWV Spay and Neuter Program, \$100; Maturango Museum, \$175 for the building fund; Special Services Youth Program, \$50; High Desert Women's Center, \$70; IWV Search and Rescue Team, \$75; and Richmond School Special Education, \$100.

Last November, money raised by the Thrift Shop operation was distributed to the Combined Federal Campaign, \$1,800; Navy Relief Society, \$1,600; and Navy Relief pantry, \$200.

Calendar

May 18 - Military officers' Hail and Farewell party, Commissioned Officers' Mess, 5:30

May 18 - Burroughs High School Spring Concert, BHS lecture center, 7:30 p.m.

May 18 - Burroughs High Alumni Basketball games, BHS gym, 6 and 8 p.m. May 19 - Burroughs High Alumni Football game, BHS stadium, 5 p.m.

May 19 - Pearl Harbor Survivors' Association dinner, Chief Petty Officers' Club, 6 p.m.

May 19 — Full Gospel Businessmen's Dinner, Commissioned Officers' Mess, 7 p.m.

May 19 — Burroughs Alumni Dance, Desert Empire Fair exhibit building, 8 p.m.

May 20 — Cerro Coso/Desert Community Orchestra concert, Cerro Coso College lecture

May 22 — Sierra Sands Unified School District String Instrument Extravaganza, Burroughs

High lecture center, 7:30 p.m. May 23 — Sierra Sands Unified School District orchestra concert, Burroughs High lecture

center, 7:30 p.m. May 23-25 — Knights of Columbus Spring Festival, Desert Empire Fairgrounds, 5 p.m.

May 25 — Catholic Appreciation Dinner, COM, 6:30 p.m.

May 26-27 - Knights of Columbus Spring Festival, Desert Empire Fairgrounds, 12 noon.

The Rocketeer

Official Weekly Publication **Naval Weapons Center** China Lake, California Rear Admiral William L. Harris **NWC Commander**

R. M. Hillyer

Technical Director Dr. Robert H. Pearson

Head Technical Information Department Don R. Yockey Editor

> **Ernest Sutton** Associate Editor Editorial Assistant

> > Ron Allen

Staff Photographer

Tuesday, 4:30 p.m **News Stories 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 commercia firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003. 3354,3355,2347

Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Clerk-Typist, GS-322-4, PD No. 7000007N, Code 00 - sonnel procedures, and correspondence manual; observ (All status eligibles are accepted). This position is intermittent within the Office of the Commander, including Codes 00, 01, 02, 03, 003 to provide clerical support as needed. The incumbent will perform such duties as typing various kinds of correspondence; answering telephones; opening, screening and routing mail; maintaining files and greeting visitors. Job Relevant Criteria: Ability to type efficiently and accurately; ability to deal tactfully with people; knowledge of Center

File applications for the above with Cathy Rivera, Bldg.

Mechanical Engineer, GS-830-12/13, PD No. 7939043, Code 3941 — This position is located in the Sensors and Platforms Branch, Electro-Optical Division, Weapons Department. The incumbent is responsible for design and development of opto-mechanical components and subsystems utilized in electro-optical and infrared original designs for such devices, the incumbent draws upon his/her broad knowledge of applied mechanics, vibration, friction and wear. Other design disciplines applied are optics, servo control systems and enanalytical background to perform his/her designs on the branch computer-based graphics and design facility. Interaction is required with branch personnel expert in optics, infrared physics and engineering. Coordination of his/her efforts often involves contractor interaction and technical direction. Job Relevant Criteria: Knowledge of applied mechanics, strength of materials, lubrication, and environmental packaging techniques; knowledge of electro-optical seeker and servo control systems; analytical background with computer based analysis preferred. GS-13 subject to NCPC classification action. For further information contact Doug Sticht, Code 3941, Ext.

Interdisciplinary Position (Electronic Engineer Physicist, General Engineer, GS-855-1310-801-13/14, Code 3905 — This position is for the Head, Air-to-Air Systems Office, Weapons Department. This office has overall, responsibility for assigned air-to-air missile development, system definition, and technology development efforts. rent efforts include ASRAAM, AIAAM, AIM-9M, AMRAAM, and CCD seeker technology. Incumbent is responsible for broad technical and administrative direction, coordination, and integration of these efforts through guidance and leadership provided to the program managers and senior engineering personnel assigned to the office. He specifies overall objectives, requirements, lopment, and acquisition strategies and approves overall technical and funding plans. He provides technical inputs to the air-to-air portion Air Weaponry Technology programs. Job Relevant Criteria: Experience in the management of an air launched missile development with air-to-air missile application preferred; knowledge of current missile system requirements, design, development, test and evaluation; familiarity with the operation of the PPBS system and the system acquisition process; knowledge of missile system technology state of the art. Grade level subject to NCPC classification action.

Interdisciplinary Position (Electronic Engineer, Mechanical Engineer, Aerospace Engineer, Physicist) GS-855-830-861-1310-12/13, PD No. 7939042, Code 39044 — This is a temporary position not to exceed one year. It could lead to a permanent assignment. This position is for the STM/MRASM Program Manager, Anti-Surface Systems Office, Weapons Department. Incumbent plans, directs, coordinates and integrates the efforts of the various NAVWPNCEN and contractor groups involved in the Supersonic Tactical Missile (STM) technology demonstration and in the Medium Range Air-to-Surface Missile (MRASM) system concept formulation programs. Current tasks include guidance, autopilot and propulsion nology demonstrations. Incumbent develops overall objectives, acquisition strategies, technical and funding plans. He is responsible for the establishment and implementation of multi-million dollar contractual efforts. Job Relevant Criteria: Experience in the management of an air-launched missile development with air-to-surface missile application preferred; knowledge of missile system design, development, test and evaluation familiarity with the operation of the PPBS system and the system acquisition process with Systems Command level experience preferred; knowledge of missile system design, development, test and evaluation; familiarity with the operation of the PPBS system and the system acquisition process with Systems Command level experience preferred; knowledge of missile system technology state of the art. GS-13 subject to NCPC classification action.

Clerk-Typist, GS-322-4, PD No. 7900010, Code 01 - This position is assigned to the Office of the Technical Director. The incumbent provides clerical support to the Technical Director and his staff. Duties include opening and screening mail, receiving visitors and telephone calls. ointments, maintaining tiles, and typing. Job Relevant Criteria: Ability to comprehend technical terminology; knowledge of grammar and punctuation: knowledge of Navy and business style correspondence; ability to deal effectively with top management personnel. File applications for the above with Kitty Berry, Bldg. 34,

Rm. 206, Ph. 2723. Secretary (Typing), GS-318-5, PD No. 7735031, Code 3506 This position is that of secretary located in the Harm Technical Management Office, Electronic Warfare Department. The Technical Management Office is responsible for the development, test and evaluation of the High-Speed Anti-Radiation Missile (HARM) Weapon System. The incumbent provides secretarial support to the Technical Manager, such as reception of contractors and visitors, screening incoming calls, maintaining technical files and documents, arranging for travel, and editing and typing reports and correspondence. The incumbent is responsible for coordinating preparation of bi-weekly reports. Job Relevant Criteria: Ability to type efficiently and accurately; knowledge of security regulations, per-

ability to use good judgement and make decisions. M Card II experience desired. Statis eligibles accepted.

Accounting Technician, GS-525-5/6, PD No. 7708058N, Code 0861 — The position is located in the General Accounting Branch Financial Operations Division of the Office of Finance and Management. The incumbent maintains the NIF General ledger, prepares transmittals on special manual system documentation and is respon sible for the maintenance of the master control totals for the ADP cash supplement system. Job Relevant Criteria knowledge of overall operations of NIF accounting systems; ability to work with figures; skill in working

Secretary, GS-318-5, PD No. 7508062, Code 089 - This position is secretary to the Director of Special Services Office of Finance and Management. The incumbent is isible for providing administrative/clerical support to the supervisor; maintains calendar, files, etc.; review and directs incoming mail to the appropriate official; prepares routine correspondence, schedules meetings and conferences, arranges travel. Job Relevant Criteria: Must be familiar with Navy correspondence format and files: ability to meet deadlines under pressure; knowledge Center organization and policies; and ability to deal with personnel at all levels. Status eligibles accepted.

File applications for the above with Terry George, Bldg. 34, Rm. 208, Ph. 3118.

Secretary (Typing), GS-318-5, PD No. 7964006, Code 642 - This position is located in the Test Engineering Division, Parachute Systems Department The incumbent will provide secretarial and clerical support to the division coming correspondence. He/she prepares replies to non technical inquiries and composes letters or memoranda from verbal instructions or brief outlines from the division head. The incumbent determines the distribution of in coming correspondence and progress reports from government agencies or contractors associated with the division. The incumbent is responsible for the adequacy, procedure, and format of all correspondence prepared in the division requiring the division head's signature. Job situations; ability to deal with all levels of NWC personnel ability to type effectively: knowledge of correspondence

Electronics Technician, GS-856-9/10/11, PD No 7862109N, Code 62112 — This position is located in the Instrumentation Section, Ballistics Test Branch, Ordnance Test & Evaluation Division, Range Department. The in ent will assist in the operation of data acquisition systems required to support rocket, missile, and warhea test and evaluation programs conducted at the Skytop, T transducer conditioning equipment, amplifiers, fire control, oscillographs, and analog tape machines. The documentation. Job Relevant Criteria: Knowledge of test instrumentation equipment; knowledge of test acquisition

DIVINE SERVICES

Sunday Worship Service Sunday School—All Ages 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. Communion Service first Sunday of the Month.

ECUMENICAL Wednesday Noon Bible Study Thursday Men's Prayer Breakfast

ROMAN CATHOLIC

MASS 1700 fulfills Sunday obligation Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135, Blessed Sacrament Chapel

CONFESSIONS 1115 to 1130 Saturday 1615 to 1645 0800 to 0825 RELIGIOUS EDUCATION CLASSES

Sunday Pre-school thru 11th grade 1000 Above classes are held in the Chapel Annexes across from the former Center Restaurant. Sunday afternoon 12th grade 1630 As announced "In Home" Discussion Groups

and Youth Rallies Contact Chaplain's Office for specifics. JEWISH SERVICES EASTWING-ALL FAITH CHAPEL Sabbath Services every Friday 1930

UNITARIANS CHAPEL ANNEX 95 Services-(Sept. May)

Burros grads to vie this weekend in alumni football, basketball tilts

Local sports fans, and Burroughs High they were graduated, are: Gerrard School alumni in particular, will have a chance to compare the present-day athletic abilities of graduates of the local high school during two basketball games tonight and a football game late tomorrow af-

On tap at 6 and 8 o'clock tonight in the 'S gym will be a pair of alumni basketball uits between players who were graduated during odd- and even-numbered years.

Coaching duties for the two alumni basketball games will be shouldered by Larry Bird, Frank Mazer, Al Sedillos, Bill Campbell and Scott Shacklett.

Shacklett, who is a 1967 graduate of Burroughs High, will be suited up and ready to play for the team composed of alumni who were graduated from BHS during oddnumbered years prior to 1970. Opposing him as a forward on the even-numbered year team will be Campbell, who was graduated

Some of the other alumni basketball players who are expected to see action in night's games, and the years in which

y were graduated are: Alan Sorenson, 1957; Jim Ayers, 1965; Tom Chapman and Duke Martin, 1967; Gregg Ritchie, 1972; Jim Lewis and Steve Cordle, 1977.

Kick-off time for the alumni football game will be 5 p.m. Saturday at the BHS

Eddie Payne, quarterback, and Gary Charlon, fullback, both 1972 graduates, will be leading the even-numbered team into action. Charlon is listed as a player-coach and will be one of the staff of football coaches that includes John Higdon, Dave Bens and Roy Franich.

Among a sizable number of other alumni football players who will be playing in Saturday's game, and the year in which

Softball league . . .

(Continued from Page 6)

of the four games scheduled last week in the women's fast pitch division of the China Lake Intramural Softball League. Mary Sue's, which ended the week in first place, defeated Comarco by a score of 18-6, while the Pizza Villa team trounced CSC 15-2.

Led by Laurie Burke, who had 2 singles in 4 times at bat and scored 4 runs; and Gina Wright, who was 2 for 3 (both singles) and scored 3 runs, the Mary Sue team piled up a 16-0 lead before the Comarco team broke the scoring ice with a single tally in the top of the fourth.

fter that, the Mary Sue team scored two more times to increase its total to 16, and gave up 5 runs during a fifth inning rally staged by Comarco.

The Pizza Villa's lopsided 15-2 win over CSC included a fourth inning home run by Karen Kirschieper for Pizza Villa, whose prayers nad 12 nits to just 2 for their of ponents.

The Pizza Villa team led 9-0 after two innings of play, added 1 more tally in the third and 5 in the bottom half of the fourth inning to win going away.

Ms. Kirschieper hit two singles and a home run in four times at bat. Also 3 for 4 was Tannya Lake, whose hits were all singles, while Carolyn Hansen had 2 hits in 4 at-bats for the Pizza Villa.

ennis results . . .

and John Levitsky in three close sets, and McKenzie and Hod Wells teamed up to win the final doubles match for NWC Gold.

(Continued from Page 6)

Moffett of the NWC Blue team emerged as the tournament's top singles player by winning a close, 3-set match over Reusche of the NWC Gold team, and also was victorious for NWC Blue against top seeded VX-5 singles player.

The NWC Blue and VX-5 singles players ended up with three wins each for their teams, but in the doubles competition, NWC 324, Code 26781 — (This is a temporary position not to exnecessary to convert experimental electronics fuze con-Blue edged VX-5 two matches to one to give NWC Blue the victory 5-4 over VX-5.

Gremillion, 1965; Tom Kleine, 1966; Rich Featherston, 1969; Bruce Livingston, 1970; John Livingston, 1971; Jim Van Devender, 1973, and Richard Leon, 1975.

Admission to either the alumni basketball games or the football contest is \$2.50 per person. Ticket stubs from these games will be good for admission to a dance tomorrow night in the new exhibit building on the Desert Empire Fairgrounds in Ridgecrest. Doors will open at 8 o'clock, and music by Cathy Tally and her band will begin at 9.

The purpose of this Burroughs High alumni weekend, which is sponsored by the Indian Wells Valley Century Football Association, is to raise funds needed for improvements at the Burroughs High School football stadium.

Center to host racketball tourney

The Naval Weapons Center will host the 11th Naval District's northern area racketball elimination tournament during the week of June 4 through 8.

In preparation for this military-only event, a series of elimination matches will be held May 22-26 in order to select a group of six players who will represent NWC in the 11th ND northern area racketball com-

NWC will enter four singles players and a doubles team in the upcoming elimination

Center military personnel interested in trying out for the NWC racketball team are asked to call Paul Baczkiewicz no later than noon on Monday at NWC Ext. 2334.



SIXTY-EIGHT YEARS YOUNG - Capt. William B. Haff, NWC Deputy Laboratory Director, gives the first slice of the cake commemorating the 68th birthday of Naval Aviation to Cdr. N. B. Nash, VX-5 Executive Officer. YNSN Karen Hutchinson of VX-5 waits for her slice of cake during a ceremony held at the Armitage Airfield Enlisted Dining Facility (EDF) annex on Tuesday, May 8. The cake was prepared by EDF bakers for the occasion. May 8 is considered to be the birthdate of Naval Aviation for on that day in 1911 the Navy ordered its first air-- Photo by PH2 Tony Garcia

Promotional Opportunities

(Continued from Page 2)

Personnel Staffing and Classification Specialist, GS-201-12, PD No. 7465005 E, Code 092 - This position is located in rsonnel Department. Under direction of the division head, the incumbent develops Center programs in assigned areas which include: development of recruiting sources, nagement Intern Program, Merit Promotion Program, Cooperative Education Program, Reduction In Force, position classification and salary administration. The 34, Rm. 212, Ph. 2032. incumbent must be a subject matter expert in the areas of syment, classification and salary administration and complex and guidelines are often absent. The incumbent is expected to provide authoritative decisions in problem areas such as Reduction-In-Force, classification reconsiderations and appeals, Merit Promotion Program grievances and pay setting determinations. Job Relevant Criteria: A thorough understanding of Employment, Position Classification and Salary Administration; understanding of Employee Relations, Labor Relations and Employee Development; ability to communicate ef-

problems and develop practical solutions. File applications for the above with Jan Nieberlein, Bldg. and highgrade freeze exception.

would adversely affect the welfare of the Center. Job Relevant Criteria: Knowledge of all aspects of police work, File applications for the above with Pat Gaunt Bldg. 34, particularly patrol procedures and criminal in- Rm. 212, Ph. 2514. vestigations; knowledge of state and federal law; ex-

Clerk-Typist, GS-322-3/4, PD No. 7284008E, Code 2433 maintains files for the office. Job Relevant Criteria: ability to work well with others. Ability to type accurately and efficiently; knowledge of the rules of grammar, punctuation, and spelling; Ability to Code 3315 — This position is located in the Design and work independently; knowledge of Navy correspondence Fabrication Branch, Sensors Systems Division, Fuze and policies and procedures; knowledge of mail handling Sensors Department. The position involves engineering procedures for classified/unclassified correspondence; have a working knowledge of Security Regulations, taking into account weapons system requirements, the

Manuals and Classification Guides. File applications for the above with Charlotte circuit and component development. Problems assigned Sieckowski, Bldg. 34, Rm. 208, Ph. 3118.

other similar equipment to build roads, maintain roads, excavate, backfill, level ground, move earth and rock, and the Employee Wage and Classification Division of the Criteria: Ability to do the work of the position without more than normal supervision, ability to perform operational maintenance, reliability and dependability; ability to interpret instructions, specifications, etc.; ability to

operate equipment safely.

File applications for the above with Lucy Lambert, Bldg. Interdisciplinary, GS-12/13, PD No. 7931077, Code 3104 — This position can be filled by an Electronics Engineer GSis expected to resolve problems and interpret policy 855, Mechanical Engineer GS-830, Physicist GS-1310 or frequently including situations where the problems are Mathematician GS-1520 with pertinent qualifying experience and background. This position is that of the Software Support Activity (SSA) Project Engineer in the A-6E Program Office, Systems Development Department. Duties will include ensuring the integrity and total functional performance of the A-6 Navigation and Weapons Delivery System (NWDS) as new software/hardware are integrated into the A-6E. Job Relevant Criteria: Knowledge of A-6E NWDS functions; knowledge of digital computer program check-out processes; ability to present fectively orally and in writing, ability to analyze complex ideas in oral and written form clearly, concisely and effectively, GS-13 position subject to classification approval

Interdisciplinary, GS-12, PD No. 7931076, Code 3104 -Supervisory Police Officer, GS-083-7, PD No. 7184012N, This position may be filled in any of the following series: Code 2413 — This position is that of supervisory police Electronics Engineer, GS-855, Mechanical Engineer, GSofficer located in the Patrol Branch, Police and Security 830, Mathematics GS-1520 or Physics GS-1310. Position is Operations Division, of the Safety and Security Depart- located in the A-6E Software Support Activity (SSA) Office, ment. As patrol sergeant, incumbent is the first-line Systems Development Department. Incumbent will supervisor responsible for one of three watches (shifts). coordinate the technical efforts of engineers and technicians to ensure the integrity and total funcsupervising the actions and performance of the patrolmen; performance of the avionics/weapons into the A-6E will insure that all investigations handled by patrol units weapons system. Job Relevant Criteria: Knowledge of are properly conducted. Incumbent will, while on patrol, digital design and software development; knowledge of act as a patrol unit and will be alert to law violators, avionics, weapon delivery systems and software; ability to evidence of the occurrence of a crime or conditions which present ideas concisely and effectively in oral and written

Electronics Engineer, GS-855-11/12, PD No. 7933045E, perience as a supervisor or in supervisory capacity; ability Code 3332 — Applications will be accepted from status to communicate with others effectively; ability to prepare eligibles. This position is located in the Surface Launched Engineering Branch, Fuze Systems Division, Fuze and Sensors Department. Duties of this position include design This position is located in the Classification Program and development of electronic circuits and systems for Office, of the Safety and Security Department. The in- microwave and electro-optical fuzing systems; design and cumbent types official correspondence, memoranda, performance of laboratory and field tests, development of reports and other documents. He/she acts as receptionist test instrumentation and specification for test equipment, for the office and collects and prepares information for the theoretical and experimental analysis of operational and supervisor's use. The incumbent maintains the contract reliability characteristics of fuze systems, and liaison and logs and overall classification project cards which consultation work. Job Relevant Criteria: Ability to design correspond directly to project files and gives current status and develop electronic circuits and systems; ability to test, of contracts involving this Center. The incumbent also evaluate and analyze electronic systems and circuits;

Electronic Engineer, GS-855-9/11/12, PD No. 7933044E, weapon environment and the state of the art electronic may be of the type arising from a contractor's request for Engineering Equipment Operator, Wg-5716-10, JD No. assistance or may be associated with the engineering ceed one-year, assignment/promotion.) The incumbent is cepts to production fuze designs. Job Relevant Criteria: required to operate all types of dirt moving construction Knowledge of analog and digital design: ability to equipment; which includes bulldozers, road graders, road troubleshoot new and existing designs; ability to work on

multiple programs, related and non-related, concurrently Mechanical Engineer, GS-830-9/11/12, PD No. 7933043E, Fabrication Branch, Sensors Systems Division, Fuze and Sensors Department. The position involves engineering assignments related to fuze and sensor systems design taking into account weapon systems requirements, methods of fabrication, etc. Problems assigned may be of the type arising from a contractor's request for assistance or may be associated with the engineering necessary to convert experimental electronic fuze concepts to production fuze designs. Job Relevant Criteria: Knowledge of prototype fuze configuration design; ability to work on multiple assignments concurrently; knowledge of the effect of environmental factors (temperature, humidity,

vibration, etc.) on prototype performance and reliability. Electronic Technician, GS-856-11, PD No. 7933047N, Code This position is located in the Electro Optic Sensors Branch of the Sensors Systems Division of the Fuze and Sensors Department. Duties will involve working with a group of electronic engineers, physicists and other technicians in the designs, fabrication and documentation of new electronic and electro-optical sensor and fuze systems. The incumbent prepares and conducts laboratory and field tests utilizing electro-optical sensors and is responsible for the design and development of special non-standard intion in support of test requirements. Job Relevant Criteria: Knowledge of electronic theory, practices and techniques; knowledge of the operating principles and layout of solid state electronic devices in cluding linear and digital circuits, transistors, diodes processors and microprocessors; ability to use schematic ability to troubleshoot and maintain electronic test

Interdisciplinary, GS-11/12, PD No. 7933048E, Code 3311 Applications from status eligibles will be accepted. This position is interdisciplinary in the following series: ition is in the Electro Optic Sensors Branch of the Sensor Systems Division of the Fuze and Sensors Departplementing state-of-the-art electro-optical hardware solutions to advanced fuze and sensors problems, design system analogs, functioning as project engineer on one or more projects and preparation of various technical reports and correspondence. Job Relevant Criteria: Knowledge of active optical backscatter properties and optical reflectometry; knowledge of optical sensor systems; ability to implement electronic circuit theory and electro-optics toward active optical sensors and fuzing; ability to communicate effectively both orally and in writing.

Clerk-Typist, GS-322-3/4, PD No. 7933046N, Code 3311 -Applications will be accepted from status eligibles. This position is located in the EO Sensors Branch, Sensor Systems Division, Fuze and Sensors Department. The bent will provide secretarial services to the branch head and clerical support to branch members. Duties include: receiving visitors and phone calls; handles branch correspondence, refering to appropriate individual, gathering data, reviews prior to signature for conformance to regulations, etc.; prepares technical articles and Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of Navy correspondence regulations and formats; ability to work effectively with all levels of personnel; ability to handle a variety of clerical duties

File applications for the above with Susie Cross, Bldg. 34.



NWC Gold team wins Admiral's Cup tennis competition

A team representing NWC Gold won last week's Admiral's Cup tennis competition the start of which was delayed a day due to high winds that prevented the tourney from getting underway on schedule.

The NWC Gold racket swingers defeated their counterparts from VX-5 a total of 7 matches to 2 in the first round of competition, and ended with a 5-4 win over the tennis players from NWC Blue (Code 612).

In between these two rounds of play, the NWC Blue team edged VX-5 squad 5 mat-

In the opening round matchup between NWC Gold and VX-5, the Gold team lost the first and second singles matches, but won all of its remaining matches for a 7-2 vic-

Mike Vogt of VX-5 defeated Bob Reusche in the first singles pairing and Jose Sandoval of VX-5 was the victor in second singles over Will Haff. Thereafter, Andy Miller, John Patterson, Rogelio Del Parto and Colleen McKenzie won the four remaining singles matches for NWC Gold, while Reusche and Miller, Patterson and Del Parto, and McKenzie and Haff teamed up to sweep the NWC Gold vs. VX-5 doubles matches.

In the final tournament games between NWC Gold and NWC Blue, each team won 3 singles matches, but the players for NWC Gold outscored their NWC Blue opponents in 2 out of 3 doubles matches.

The three singles winners for the NWC Gold team were Haff, Del Parto and Mc-Kenzie. In the crucial doubles competition, Reusche and Haff defeated Willie Moffett

(Continued on Page 7)

Stronger teams in Youth Soccer League hammer out several lopsided victories

Several teams in the Youth Soccer Philip Serpanos, and the other was tallied League put it all together Saturday at on a penalty shot. Barrie Riddoch also Davidove Field, scoring a series of un-scored for the Rowdies when his indirect characteristic lopsided victories.

The Hurricanes shutout the Sting 4-0 as forwards Mike Garrett, Tommy Faller and Brian Collie, and halfback Chris Johnson sparkled. Garrett scored three times, once from a penalty shot. He got assists from Johnson and Collie. Faller scored with a 30-

The shutout was mostly the work of kept threatening for the Chiefs, while Tony defenders Collie, Angie Lloyd and Eddie Vokolek, and goalie Scott Oliver, who was credited with five saves.

The Lancers trounced the Rogues 4-1 in the other American Division (3rd-4th Frisbee scored two and John Duncan one.

Nick Holzer led the Lancer scoring with two goals, one on an assist by Mike Mills. The other goals were tallied by Jon Bain- Duncan, and Steve Savage of the Sockers bridge with an assist from Scott Parmenter, prevented any serious scoring efforts by the and by Bobby Burge with an assist from Express. Bainbridge.

Chris Turner was impressive at both ends of the field while defenders Shea Kennedy, Steve Sanders and Jeff Tanner, and defensive midfielder, Doug Albert helped stymie the Rogues effort.

The Rogues only tally was a goal by Guy graders), the Tornadoes came back from Stanton with an assist by Shaw Carter, their only loss this year to flatten the while Tony Haaland and Mark Bullard displayed good defensive work for the

Rogues. Mike Rindt powered in four goals to lead the Rowdies over the Chiefs 5-0. The first Wydra let down only in the goal area. score was after some fine dribbling, two Seamus Freyne was unlucky not to score for followed assists by Barrie Riddoch and the Whitecaps.



CLOSE PLAY AT SECOND BASE — Mike Bass, shortstop for VX-5, moved over to second base to catch the ball and tag out Marty Lyle of NWC during this bit of action in the VX-5 vs. NWC slow pitch softball game played last Saturday at Schoeffel Field. The official on top of the play is Jess Fortney. Also looking on is Florence Moran, who played second base for the victorious VX-5 team.

VX-5 retains Armed Forces Day slow pitch softball game trophy

For the second year in a row, the Air Test and Evaluation Squadron Five (VX-5) team came up with a victory over players representing the Naval Weapons Center in an Armed Forces Day slow pitch softball game played at Schoeffel Field.

The Vampires from VX-5 had a 15-5 lead and everything under control until the bottom half of the seventh and final inning when the NWC team staged an 8-run rally that nearly pulled the game out of the fire.

When the dust had settled after the third out which ended the game, the final score was 15-13 in favor of VX-5, whose players retained possession for their squadron of the perpetual trophy which was awarded for the first time last year.

The Vampires established an early 8-0 lead by scoring 4 runs each in the first and third innings.

Steve Guillon drove in two runs by hitting a double with two men on base, and later in the first inning scored on a single by David Stein. A walk issued to Keith Hare advanced Stein to second, and a sacrifice by Mike Bass moved the base runners to second and

kick bounced off the Chiefs' goalie.

was the top defender.

For the Rowdies, Peter Martinez was

outstanding on attack and Rickie Rotzler

The Chiefs played a good game but met a

game. Attackers Wade Boyack, Tim

Garbani turned in a good defensive game.

In another Pacific Division game (1st-2nd

graders), the Sockers scored three early

goals to shut-out the Express 3-0. Marc

The latter also was credited with an assist.

Aggressive defense by Greg Wetzel, and

Katie, Chris and Greg McCalester, Matt

Matthew Mann and Mark Phillips led the

Express on offense and their teammates

Mark Nemeth and William Miller were tops

In the National Division (5th-7th

on defense. The second half was a scoreless

Whitecaps 10-0. The attack was led by Andy

Smith and Tommy Rindt, with good

defensive play by Greg Little and Peter

Hueber. Defenders Joe Almaraz and Paul

duel between the two soccer teams.

The hitting spree by NWC was evenly divided between triples, doubles and singles as there were 3-baggers by Carr, Cade and Kevin Knievel; two-base hits by Brad Domine, Lyle and Fecteau, and singles by Fecteau, Jim Tucker and Ralph Maddox.

The wild finish was ample reward for very fired-up opponent and tired late in the those who stayed on to watch the finish of this exhibition slow pitch softball game.

Stein tallied run No. 4 for the Vampires in their first turn at bat on ground ball off the bat of Mark Lehman, who was out on the throw to first base.

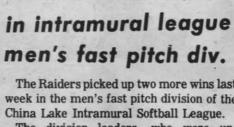
After holding NWC scoreless in its first two times at bat, the Vampires came up with 4 more runs in the top of the third. Bass doubled to drive in Stein and Hare, who were issued walks; Lehman was safe at first on an error, and a 2-bagger by Clare Bingman accounted for two more RBIs for

The NWC team showed a semblance of its capabilities by scoring three times in the bottom of the third. A double by Doug Cade and an error which enable Marty Lyle to reach first base set the stage for a 3-bagger by Gary Fecteau. The latter then scored on a single by Jim Carr.

Game a Hitters' Duel

The hitters' duel (both teams had a total of 13) continued as VX-5 tallied three runs each in the fourth and sixth innings, and a solo run in the seventh, while the NWC team was forced to settle for just 2 tallies in the

The old bromide that no baseball game is over until the final out proved correct once again as the NWC team sent 12 batters to the plate and scored 8 runs on 9 hits in the hectic last half of the seventh inning.



Raiders retain lead

The Raiders backed up Mike Stoner, th winning pitcher, by scoring a single run in the third and two runs each in the fourth and fifth innings as they outhit their opponents

Drew Martin tallied the only run of the game for Sports Etc. on a wild pitch.

squad, the Raiders scored three runs in the first inning on a home run by Michael Pangle, left fielder. Pangle's 4-base blow came with two men on base to give his team an early 3-0 lead.

After that, the Raiders scored two runs each in the second and third innings, and

In the second inning, Marty Stoner hit a home run with one man on base, and Bob Beecroft, center fielder for the Raiders hi solo home run in the third inning. Anothlong ball hitter for the division leaders was Randy Radcliff, who had a triple.

The Raiders outhit their opponents 9-3 in posting a shutout win over Nelson Auto.

over Sports Etc.

In their victory over Nelson Auto, the Fuller Masonry team had 9 hits to 3 for the losers, including a 3-base hit by Don Branson that drove in a run in the fifth in-

and posted a 3-2 win over Sports Etc.

sixth innings, respectively.

After scoring once in the third inning, the Sports Etc. squad tallied again to tie th

High winds forced the cancellation of two



VX-5 VICTORIOUS — Players for the VX-5 team jubilantly claimed the Armed Forces Day slow pitch softball perpetual trophy after posting a 15-13 win. Thanks to a 10-run lead, the Vampires were able to come out on top despite an 8-run rally by NWC in the bottom of the seventh inning. The trophy was presented to Chief John Smith, coach of the VX-5 team, and his players by Lt. Larry Gorans.

The Raiders picked up two more wins last week in the men's fast pitch division of the China Lake Intramural Softball League.

The division leaders, who were undefeated after two weeks of play, defeated the Sports Etc. squad 5-1, and shut out the Nelson Auto nine 10-0.

Going against the winless Nelson Auto

three more in the fifth.

Like the Raiders, the second place Fuller Masonry also won a pair of games last week. They moved into second place in the men's fast pitch division on the strength of a 5-2 win over Nelson Auto and a 3-2 victory

Fuller Masonry started things off with two runs in the first inning, added one more tally in the fourth and picked up two more

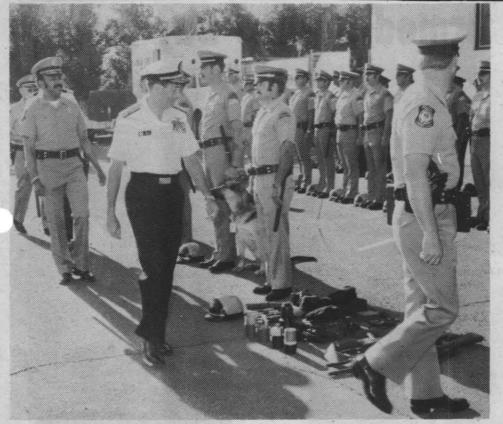
A short-lived rally was staged by Nelson Auto, which took advantage of errors to get two men on base in the seventh and final inning, and scored their only runs of the

In a low scoring, tightly played game, Fuller Masonry had more power at the plate

Charles Fava and Don Connell accounted for two of Fuller Masonry's three runs in this game with home runs in the fourth and

score at 2-2 in the sixth before the Fulle. Masonry came through with its gamewinning tally in the top of the seventh in-

(Continued on Page 7)



CHINA LAKE'S FINEST - Police Chief Ron Nelson and RAdm. William L. Harris, NWC Commander, are led on an inspection of the China Lake Police Division by Lt. Mike Moore (far right). In the foreground are Police Officer Ken McCormick with "Bandit" and Sgt. Al Truesdale, a member of the Emergency Response Unit (ERU) team, with all of the team's ERU gear laid out. About 50 policemen, guards and Explorer Scouts were present for the inspection which was held last Saturday morning in the police station parking lot at the Naval Weapons - Photo by Ron Allen

Technical Director Award . . .

(Continued from Page 1)

compared to similar tactical rocket motors. Other developments that have complemented the basic propulsion system, Schaniel added, include a technique for monitoring in-flight performance of the rocket motor chamber pressure, and an inbore instrumentation process whereby accelerations experienced by the projectile while traveling down the gun barrel can be determined.

As was noted by Hillyer and Weathersbee, the recognition conferred upon the latter was made possible by a team effort that involved other engineers and technicians in the Propulsion Systems Division (Code 327), headed by R. A. Miller; various workmen in the NWC Engineering Department shops who fabricated the metal parts, and personnel of the Range Department's Ground Operations Branch, who handled the test

Sticky Problems Overcome

Examples of design problems that had to be overcome. Weathersbee said, were an acceleration rate of 7,500 g, gun chamber pressure of 45,000 psi, and the capability of operating successfully from plus 20 deg. to plus 130 deg. Fahrenheit.

As proof of the reliability of the design of the rocket motor for the 5-in. Guided Projectile Propulsion System, the rocket motor has been launched routinely without the igniter recovered upon impact and then static fired to evaluate performance of the rocket motor.

During the seven years that Weathersbee has been the technical program manager of the 5 in. Guided Projectile Propulsion System Development, the program has been responsive to a multitude of significant systems changes as well as numerous program reorganizations, including the establishment of a joint Army/Navy program office and the introduction of a prime contractor for the projectile engineering development.

Sound Product Produced

In spite of these changes, a sound technical product has been produced which is nearing the completion of its qualification program and is accompanied by a complete documentation package to allow the transition from development to production. Prior to production, Code 327 personnel have loaded and delivered rocket motors as government furnished equipment to the prime contractor.

Documentation pertaining to the rocket motor is currently being verified by prototype production at the Naval Ordnance Station, Indianhead, Md. Once the prototype system is validated, there are purchase descriptions to support competitive procurement, Weathersbee added.

Fellow engineers mentioned by Weathersbee for their contributions to the success that has been achieved in meeting the goals of the 5-in. Guided Projectile Propulsion System Development are Louis Renner, Russell Trovinger, Arthur Black, Edward Panella, Howard Gerrish and Howard Payne.

In addition, Ernest Lanterman, a technician, has been responsible for hardware acquisition and assembly operation. Essentially, Weathersbee said, Center employees involved in this effort have designed, manufactured and tested the components which they have had a hand in developing.

Weathersbee has been employed at China Lake since he joined the junior professional program following his graduation from California Polytechnic Institute in San Luis Obispo with a bachelor's degree in aeronautical engineering in March 1959.

He was assigned initially to the Aeromechanics Division of the former Weapons Development Department (Code 40), and later served as a project engineer on the Deneye Program - a scatterable anti-personnel mine system.

Since 1972 he has been the technical ogram manager for Guided Projectile Propulsion Development.

to be present for the photograph.

CAKE CUTTING - Ms. Navy Relief candidates (I.-r.) Sharon Gamble, Billie Cantrall, Cheryl Flechsig, and Gail Cormier, look on as Capt. J. D. Killoran, NWC

Director of Supply, slices a cake prepared by bakers in the NWC Enlisted Dining

Facility (EDF) to commemorate Armed Forces Day on Saturday, May 12. The

Ms. Navy Relief contestants are flanked by the Navy Relief Society fund drive co-

chairmen, LCdr. Ted Faller (at left) and LCdr. Ed Biggs. The other four can-

didates, Joy Graczyk, Bonnie Lamb, Nancy McCurley and Julie Star, were unable

Woman architect to be honored on Saturday by her alma mater

Catherine Bell, one of the few women architects in the United States and an employee in the Public Works Department for the past 24 years, will be honored Saturday at the Washburn University Alumni Association's annual commencement dinner in Topeka, Kans.

Miss Bell will receive a Distinguished Service Award from the Alumni Association for being an outstanding member of her community and bringing honor to the university. She was a member of the Washburn class of 1952.

Miss Bell became interested in drafting at Highland Park Rural High School in Topeka and in 1948 began pre-engineering courses at Washburn University. While there she was affiliated with Independent Women and earned a letter in intramural sports. She continued her study of architecture at Kansas State University and in June 1955 began working in the architecturalstructural branch of the Public Works Department at China Lake.

Steadily Increasing Responsibilities

In 1961 she was transferred to the Specification Division, where her responsibilities included approving materials used by contractors on government projects. From 1964 to 1967, Miss Bell's duties included production of architectural drawings for maintenance contracts. Since 1969, she has selected sites and designed buildings and laboratories for many projects at the Naval Weapons Center.

In 1975, she received a Sustained Superior Accomplishment Award from NWC for work as project design engineer on three projects, including a Naval Threat Systems Complex. Miss Bell earned a Group Superior Achievement Award in 1977 for the "Project 21" long-range study. She was the architectural coordinator for the study, which is a plan for improvement of NWC's test and evaluation facilities.

Miss Bell is involved in many community activities, organizations and associations. The Ridgecrest Elks Lodge presented her

Navy Relief . . .

(Continued from Page 1)

are competing for the title of "Ms. Navy

They are AN Billi Cantrall, Aircraft Maintenance Control Division; MSSA Gail Cormier, Enlisted Dining Facility; AKAN Cheryl Flechsig, Aviation Supply Divvision; YNSN Sharon Gamble, VX-5; ADAN Joy Graczyk; Aircraft Maintenance Control Division: HM3 Bonnie Lamb, Branch Medical Clinic; AZAN Nancy McCurley. Aircraft Support Division; and PNSR Julie Star, Military Administration Department.

The results of the Ms. Navy Relief contest will be kept confidental until the end of the fund drive, when the winner will be announced during a slow pitch softball game between NWC and VX-5 at Schoeffel Field on Wednesday, June 6.



Catherine Bell

with the Youth Activities Service Award in 1973 for her work with the youth of Ridgecrest and Indian Wells Valley.

Although Miss Bell is not a golfer, she and another local architect helped design and build a community golf center in Ridgecrest in 1972. The city rewarded her for her efforts with two certificates of appreciation, an engraved plaque and a city seal.

She is now employed as an architect in the Planning Branch of the Engineering Division of NWC's Public Works Depart-

Remodeling for new **NEX**, Commissary right on schedule

The remodeling of the old Fazio's Market building in Bennington Plaza to convert it into a combination Navy Exchange and Commissary Store was reported to be right on schedule this week by Ltjg. Robert J. Boyd, Navy Exchange officer.

With approximately 43 percent of the work completed, the Stevens Co. of Lancaster is continuing with the refinishing work inside the building. This includes installation of doors and windows, putting up walls and plastering, and putting in the cooling and heating systems for the building

The contract calls for the installation of refrigerated air conditioning in place of the former evaporative air conditioning system for the Commissary Store portion of the building, and construction of a connecting link from the Commissary Store to a warehouse in the rear.

This connecting link will house mechanical equipment and new refrigerated, walk-in storage boxes for the Commissary Store's meat, poultry, dairy and produce items.

One third of the available space in the old market building will be used by the Commissary Store and the remainder by the Navy Exchange.

A convenience store and delicatessen which will remain open longer hours than the regular NEX will be provided, and there also will be an outdoor shop located adjacent to the NEX.

Ltig. Boyd stated that fixtures such as walk-in refrigerators, carpeting, wall shelving and floor display counters are now arriving. All are expected to be delivered to the contractor for installation in the near

"We are planning for the grand opening of the new Navy Exchange and Commissary Store on Sept. 13, 1979," Ltjg. Boyd said.

Bluejacket . . .

(Continued from Page 1)

The Gibsons traveled to Bakersfield yesterday where they were given free lodging in a motel of their choice and had their meals paid for as well. This morning he was the guest of honor at a breakfast held by the Military Affairs Committee.

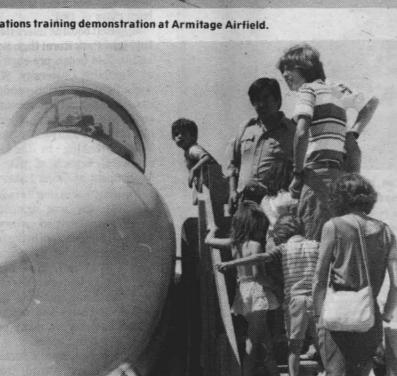
Camera's-eye view of 1979 Armed Forces Day fete



SIZABLE CROWD views air operations training demonstration at Armitage Airfield.



SCALE MODEL of a French-made jet aircraft is prepared for flight by Larry Wolfe (at right) of



DEMONSTRATIONS utilizing weapons that were developed and or tested at NWC were described for airfield visitors by Cdr. Rod Knutson (above). In photo at left, visitors get a close up look at a static aircraft display.

Photos by Ron Allen and PN2 Tony Garcia



ON DISPLAY was this M-45 Tracking Camera Mount that utilizes long focal length lenses and high speed cameras to record missile flights on the NWC ranges



YOUNG MEN from the NWC Sea Cadet Squadron posted the colors during a ceremony that marked the beginning of the Armed Forces Day afternoon activities on the shaded lawn area of the Administration Building.



SELECTIONS WHICH met a wide variety of musical tastes were played by the Sonora del Mar Navy band from San Diego. The popular musical group was back for a second Armed Forces Day appearance here.



THE NWC SIDEWINDER drill team, which has won many awards for its polished performance in parades and other types of competition, demonstrates its repertoire of precision maneuvers for Armed Forces Day visitors.



VISITORS look over the vehicles entered in the car show on Armed Forces Day at NWC. Prizes were given for the best in class in the various categories and for the



AN UNUSUAL ATTRACTION set up outside the Community Center was this solar energy powered water fountain. The sun's rays striking an array of silicon wafer cells that absorb energy produced the power needed to make the water flow.

Happenings around NWC

sored by the Sierra Desert Gun Club, be taken at the Special Services 375-5001, Ext. 34. Division Ceramics Hobby Shop from now through Wednesday, May 31.

facility located on Sportsman Road on aptitude and mathematics. Results of the Saturday and Sunday, June 2 and 3, from 8 examinations are used by counselors to a.m. to 1 p.m. both days.

Fifty registrants will be accepted for the classes and programs. course with signups being taken from 11:30 to 9 p.m., Tuesdays through Fridays, and on Saturdays from 9 a.m. to 5 p.m.

A gun club spokesman said the next hunter safety course would not be scheduled until sometime in August.

Star Party Set Tonight

A free public star party, sponsored by the China Lake Astronomical Society, will 1 tonight at 8 o'clock at the Sandquist Sp. recreational area.

Weather permitting, telescopes will be set up for visitors to view Jupiter and its moons, Saturn and its rings, star clusters in the Milky Way, and external galaxies.

The turn-off to Sandquist Spa is located on Inyokern Road five miles west of the main gate of the Naval Weapons Center. A twomile road north connects the spa to the highway.

College Placement Tests

Placement tests for new students planning to enroll for the summer session at Cerro Coso Community College are being given now through June 15 by appointment

the college counseling office or by calling

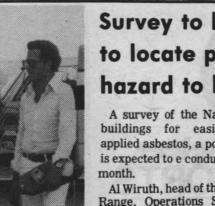
The three-hour test provides a measurement of the student's achievement The course will be held at the Gun Club and ability in English, general college assist students in enrolling in appropriate

Wednesday, May 30.

All military and civilian personnel are This used lamp disposal by recycling is an



WATER WISELY — Each drop of water in the desert is precious, and so is the energy required to pump that water. Water the lawn only when it needs it rather than on a regular schedule, and water long enough so that the water seeps down to the roots rather than just sprinkling the top where the water evaporates readily. Watering done early in the day minimizes loss due to evaporation during the watering process. A layer of mulch around trees and shrubs also slows evaporation. Water should be turned off before it trickles down the street; no matter how well watered, asphalt will not grow.



DICK MAHAN, auto show coordinator, prepares to present a plaque to Capt. F.H.M. Kinley, NWC Vice Commander, in appreciation for the Center's support of the auto show.

Cut in hrs. helps to insure NEX gas supply through May

The recent change in operating hours at the Navy Exchange service station has helped ensure that the Navy Exchange will have sufficient gasoline available for the remainder of this month.

During the first 14 days of May, utilizing only the 10-gallon limit, an average of 2,935 gallons of gasoline were sold per day. The change in operating hours established last Tuesday reduced the number of gallons sold per day to 2,589 gallons on May 15, 2,135 gallons on May 16, and 2,427 gallons on May 17 for a 3-day average of 2,384 gallons per

Although the 3-day period is a small sample, it is hoped the present trend will preclude the necessity of establishing firmer, more restrictive controls on short notice, such as selling a predetermined number of gallons and then closing the pumps, or an odd / even plan.

The patience and understanding of all NEX service station patrons is sincerely appreciated. This cooperation has helped the Navy Exchange to weather the gas crunch thus far - keep it up.

Lunch-time seminar on stress reduction set

"Vacations, Stress, and Stress Reduction" will be the subject of the next Employee Assistance Program lunch-time seminar from 11:30 a.m. to 12:30 p.m. in the Cactus Room of the Community Center on

The seminar will be presented by Jack Chandler of the Desert Counseling Clinic and Lynn Dodson Lacey, EAP advisor, who will discuss vacations as stress reducers and stress producers.

Survey to be made to locate potential hazard to health

A survey of the Naval Weapons Center buildings for easily-crumbled, sprayapplied asbestos, a potential health hazard, is expected to e conducted here starting this

Al Wiruth, head of the NWC Industrial and Range, Operations Safety Division, and John R. Dollman, a planner estimator in the NWC Public Works Department, attended a one-day training program in San Diego on Tuesday. The course was given by Naval Civil Engineering Laboratory specialists from Port Hueneme, Calif.

The two men received information during the session on how to identify those facilities containing spray-applied asbestos, how to determine if there is a hazard, and what corrective measures to take.

The survey for spray-applied asbestos at China Lake is part of a Navy-wide survey being made at this time. The Navy at onetime used this asbestos throughout the naval establishment. However, the Navy has now found that these materials can pose a health hazard to personnel, if because of age and disrepair, asbestos fibers are released and become airborne in concentrations greater than established safe

Wiruth said the NWC Command is taking a very active interest in the survey at China Lake. "We don't expect to find much of this material here," he went on, 'however, we will be checking engineering drawings and taking samples. If we find a problem corrective action will be initiated."

The Navy is providing special funding which enable all commands to take swift action to correct verified hazardous con-

De-lamping program to provide sizable savings in energy \$

The de-lamping program for the Naval Weapons Center is proceeding on schedule.

Removal of excess fluorescent lights from the Administration Building resulted in a significant savings of 47,922 watts. Added to the 251,673 watt reduction in Public Works, the total energy reduction to date is 299,595 watts, which will result in an annual energy savings of 600,000 kilowatt hours and \$25,000 in energy costs.

The lamps being replaced are recycled by grinding them down and selling them at 10 cents per pound (three lamps per lb.). This is the most cost effective method of disposing of the replaced lamps when compared with the alternatives of packaging and storing them, or placing them in the Defense Property Disposal System for salvage.

invited and encouraged to bring brown bag accepted method in private industry as well as in Federal agencies.

New deadline set for submitting employee timecards

All NWC personnel who are responsible for the weekly submission of employee timecards are asked to turn in such timecards to the Payroll Branch no later than 4:30 p.m. each

Previous to this time, it had been the practice to accept employee timecards up until 9 a.m. on Mondays. In order to relieve some of the workload and time pressure during payday weeks, this will no longer be done in order that most of the initial timecard information can be computed on the Saturday before each

Regular timecards for overtime worked on Friday nights and Saturdays should be submitted to the Payroll Branch by 8:45 a.m. on the following