Plans are moving ahead for a scale model contest for those who enjoy the hobby of building models of aircraft, ships, armored and non-military vehicles, and dioramas.

This event, which is being sponsored by the NWC Special Services Division and the High Desert Scale Modellers Association, will be held on Saturday, Feb. 25, in the Friendship Room of the First Federal Savings Building, 111 N. Balsam St., Ridgecrest.

There is an entry fee of 50 cents per entry, or a maximum of \$1 for two or more entries. Fees are payable at the time the contestant registers his or her models between 6 and 9 p.m. on Friday, Feb. 24, and from 9 to 11 a.m. on Feb. 25.

Judging of the entries will take place between 11 a.m. and 1 p.m. on Feb. 25, and the show will be open to the public from 1 to 5 p.m.

At stake in the contest will be trophies for the best of show entry in each age classification (9 yrs. and under, 10 through 13, 14 through 18, and 19 yrs. of age and over), as well as first, second and third place awards (gift certificates) in each of the seven major categories of the scale model contest.

Additional information can be obtained by calling Henry Blecha, after working hours, at 446-2346, or George Munro, 375-8654.

Desert Community Orchestra concert set at college tonight that have Tuesday.

Conductor Daniel Swem will lead the Desert Community Orchestra in a concert tonight at 8 at the Cerro Coso Community College lecture center.

A balanced program of favorite music has been planned, with the featured selection of the evening being the ever-popular Beethoven Fifth Symphony.

Other selections to be performed are the "Overture to Semiramide" by Rossini and the "Marche Slav" by Tschaikovsky. A special woodwind quintet coordinated by Gordon Trousdale will also play.

General admission for the concert is \$2 per person, with senior citizen, military, and student admission charges being \$1. Tickets may be purchased in advance at the Gift Mart and at Sports Inc. in Ridgecrest. They will also be available at the door this evening prior to the concert.

Theater to resume movie matinees on Saturday afternoon

Saturday afternoon movie matinees will be resumed at the Center theater on Feb. 25.

The theater doors will open at 1 p.m., and being sponsored by the NWC Special Serthe show will begin at 1:30. The regular vices Division. admission price of 75 cents per person will Tickets to see and hear this world-fr be charged.

All movies selected for showing at the Saturday afternoon matinees have been carefully selected for viewing by young people. Parents also can rest assured that adequate supervision will be provided at the

The first movie scheduled for a Saturday afternoon is "Hawmps" on Feb. 25. Others are "Lost Horizon" on March 4, "Gus" on March 11, "Forever Young, Forever Free" on March 18, "Godspell" on March 25, and "Scalawag" on April 8.

Rock music group booked at Shuttle this weekend

"Pegasus," a rock music group from the Los Angeles area, will be playing for the dancing and listening pleasure of patrons at the Shuttle tonight and tomorrow from 9 p.m. to 1:30 a.m.

There will be a small service charge for admission on both nights.

The Shuttle is continuing its hot line buffet lunch, Monday through Friday from 11 to 1 p.m. Dinner is served on Tuesdays, Wednesdays, and Fridays from 6 to 8 p.m.



FIRST SALE — Sharon Zabel (I.) and Vicky Crume, co-chairpersons for the event, sell the first ticket for the semi-formal WACOM Spring Ball to Joan Giuliani. The ball will be held Saturday, April 8, at the Commissioned Officers' Mess and is open to all members of the COM. The evening will feature a social hour at 7, dinner at 8, followed by dancing to the music of the Ed Frezza Band. Tickets, priced at \$15 per couple, may be ordered by calling Jeanne Davis, ph. 446-2288, or Gunnilla

James Brown, 'soul music king,' to perform twice at theater on Tues.

The distinctive musical sounds of James Brown, whose numerous hit records have skyrocketed him to the top of the popularity charts, will reverberate throughout the Center theater during two performances that have been scheduled at 6 and 9 p.m. on

Brown, whose electrifying style of delivery and personal magnetism and energy have earned him the title of "King of Soul Music," will be accompanied here by a

James Brown

back-up group of singers, dancers, and

instrumentalists for this big event that is

performer, whose record sales and personal

appearances have earned him top billings in

all parts of the U.S., as well as in Europe,

Asia and Africa, are priced at \$5 for general

admission and \$4 for active duty military

The military discount tickets can be

obtained at the Community Center, the

Commissioned Officers' Mess, the Chief

Petty Officers' Club and at The Shuttle

The renowned and popular Kingston Trio

will be appearing in two shows at the

Commissioned Officers' Mess during a

special dinner show on the evening of March

reservations. There will be approximately

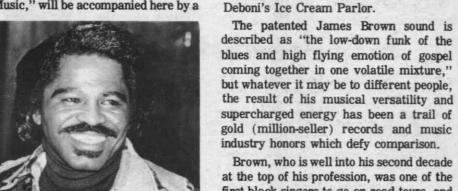
will be 10 p.m. and midnight.

250 seats available.

Renowned Kingston Trio

to play March 3 at COM

personnel and their dependents.



Brown, who is well into his second decade at the top of his profession, was one of the first black singers to go on road tours, and he now keeps busy with such performances more than 300 days a year. At the same time, he acts as songwriter, arranger, choreographer and even clothes designer for the entire cast of his show.

Regular admission tickets also can be

obtained at the above-mentioned locations,

as well as at the Youth Center, bowling

alley, golf course pro shop, and at the

Special Services office in Bennington Plaza.

show also are on sale at the Center theater

box office during regular movie hours, and

in Ridgecrest at the Gift Mart and at

In addition, tickets to the James Brown

It has been nearly 20 years since his first million-seller gold record, but recording activities are now just a small portion of his busy and far-ranging career.

It is as a live performer that Brown's fame has really spread throughout the world, and local area residents will have the opportunity to see for themselves on Tuesday night just what it is about James Brown that has made him one of the premier vocal music performers of his day.

Tickets on sale for **CPO Club Military** Ball planned Feb. 25

Ticket sales are continuing for the annual CPO Club Military Ball which will be held on Saturday, Feb. 25, beginning at 6 p.m. Tickets may be purchased from 7:30 a.m. to 4:30 p.m. at the CPO Club.

Honored guests will be RAdm. William L. Harris, NWC Commander, and his wife. Jean; Capt. F. H. M. Kinley, NWC Vice Commander, and his wife, Priscilla: and Capt. Leonard E. Giuliani, Commanding Officer of VX-5, and his wife, Joan.

CPO Club members are encouraged to purchase tickets (priced at \$10 per person) as soon as possible in order to be sure of obtaining the number of tickets they need. A prime rib dinner special will again be served tonight at the CPO Club from 6 to 9 p.m., and there will be music for dancing

from 9 to 1 a.m.

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

> (G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parent or Adult Guardian

Regular starting time-7:30 p.m. Program subject to change without notice. - For further information call NWC ext. 2259

17 FEBRUARY "THE SHAGGY D.A." (92 Min.)

Dean Jones, Tim Conway (Comedy) This is a follow-up to the misadventures that Wilby Daniels endured in the very popular film "Shaggy Dog." Back in 1959, Wilby was a teenager who got into hairy situations when an ancient ring transformed him into a sheep dog. In this hilarious sequel, the teenager has matured into a civic-minded citizen, Dean Jones, a lawyer whose past catches up with him and he is once again transformed — this time into the "Shaggy

"THE ISLAND OF DR. MOREAU"(105 Min.)

Burt Lancaster, Michael York (Horror Drama) Burt Lancaster is an injection animals on a remote Pacific Island. Michael York s washed ashore after a shipwreck and falls in love with a girl he meets there. York suspects sinister goings-on when he finds the island populated with half-men, half-animals - the results of half-successful experiments by Lancaster. York attempts to escape with the girl, but Lancaster turns the needles on him. However, the uman animals, whom Lancaster has taught not to spill blood, realize that they have been

> "HUGHES AND HARLOW" (102 Min.) Victor Holchak, Lindsay Bloom

19 FEBRUARY

deceived and stage a bloody rebellion. (PG)

(Biographical Drama) Howard Hughes and ean Harlow, two of the most exciting and con troversial figures of modern times, are depicted during the year the pair spent making the most expensive motion picture ever made up to that time. Holchak (Hughes) is the billionaire industrialist determined to make his mark as a ovie maker in Hollywood. Bloom (Harlow) is the platinum blonde who was a bit player until Hughes made her a star. (R) 21 FEBRUARY

> Special Services Division Prese JAMES BROWN 'King of Soul Music'

6 and 9 p.m. 22 FEBRUARY WEDNESDAY (Animated Fantasy) Ten million years from now the earth is ruled by wizards and civilization has been destroyed by atomic warfare. Many survivors are deformed mutants. The other inhabitants are elves, fairies and goblins. Twin brothers, who are both wizards, represent the epitome of good and evil as antagonists. The wizards pit good magic against evil technology, and the forces of magic eventually triumph over he malevolence of misused technology. (PG)

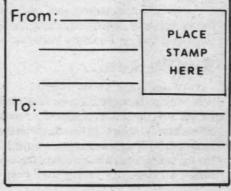
24 FEBRUARY "THE ENFORCER" (96 Min.)

Clint Eastwood, Harry Guardino (Action-Drama) This film is another in the "Dirty Harry" series. Eastwood is transferred from the homicide bureau and finds himself He overcomes his male-chauvinist attitude when she proves to be an able partner and he mourns her death when she is killed when backing him up while freeing the kidnapped mayor of San Francisco, (R) SATURDAY

25 FEBRUARY "HAWMPS" (113 Min.) 1:30 p.m. Matinee

Chris Connely, James Hampton (Comedy) This film is a comedy about a pre-Civil War Army experiment to determine the feasibility of replacing the U.S. Cavalry horses with camels. Hampton is an Army lieutenant who is assigned to train the camels for use in a deser section of Texas. This movie is based on fact. (G)

.U.S. Government Printing Office:



In Optics Shop

Work to tolerances of less than millionth of inch routine

Precision takes on new meanings when tolerances of less than a millionth of an inch become important.

And such precision is a regular consideration in the Naval Weapons Center Optics Shop under the direction of Joseph J.

Lenses, prisms and mirrors are the primary products of the Optics Shop, with work ranging from an emergency "quick fix" of a mirror or lens needed for a flight test (sometimes with the aircraft warming up on the ramp while the needed piece is produced), to one-of-a-kind products needed for specialized research projects that take many months of painstaking work while actually pushing the state of the optics art.

Although the shop is part of the Advanced Optics Technology Branch of the Physics Division of the Research Department, work from any Center project or program is welcomed.

Other Work Welcome

The Optics Shop is located in Lauritsen Laboratory; in fact, it was planned as the first tenant of the laboratory, with special facilities designed to enhance the working environment of the shop.

For instance, the air must be totally dustfree. Even a single grain of grit coming in through the air conditioning system or from out of doors could destroy an optical surface that called for months of work. Compressed air had to be available to run pieces of equipment used. The power source had to be constant and unvarying because many of the polishing machines run 24 hours a day. And the room layout had to be such that one man could run the shop since Shaffer is the only person ordinarily working there. (When special needs arise he has been able to bring in Ralph Dietz as a W.A.E. Dietz had been in charge of the Optics Shop until his retirement in 1972 when Shaffer came to work at China Lake as his replacement.)

Shaffer, who is always available for telephone consultation at NWC ext. 3168, emphasizes that many of the queries deal with the feasibility of requirements that scientists or engineers have. The question is often whether the optics state of the art can meet the demands which they see for their projects or research. He is able to accept much of the work over the telephone (along with the needed job order), and then proceed without further delay. "We try to keep the paperwork as simple as possible,"

as "rough."

Usually work on a new lens or prism or mirror begins in the roughing room.

The diamond saws here are used for



CAREFUL WORK - Ralph Dietz examines an 11-in. concave mirror which needs to be super smooth. Tolerances demanded in optical work can be as minute as less than a millionth of an inch, with a mere thousandth of an inch being considered -Photo by Ron Allen

cutting glass-the diamond being in the form of powdered industrial black diamonds or bort, which is pressed into the rim of the saw blade. It is surprising to most people that such a blade can cut glass but not fingers.

On hand is an ultrasonic Raytheon impact grinder which is delicate enough so that it can drive a brass pin through glass-the most practical way, in fact, to make a minute hole which is sometimes required. A mill ("just like a flour mill") is used with loose abrasive to shape pieces of glass, and a surface grinder produces surfaces that are flat and parallel.

More Diamond Saws Used

The generating room, which comes next, features more diamond saws. One of these operates at such a slow speed that it will not produce subsurface damage to delicate glass. (The term "glass" is used throughout this article for convenience. Actually glass, calcium fluoride, sapphire, quartz and other materials are all cut and polished in the Optics Shop.)

It is in the generating room that the initial curves are cut into the surfaces to be

(Continued on Page 4)

nwc rocketeer

Vol. XXXIII, No. 7

February 17, 1978

Old Dispensary Being Remodeled2 National Engineers' Week3 Surplus Property Auction Slated4 Farewell Fete for Herrmanns......5 Fire Chief Knight To Leave7

Navy property annexed to IWV **Water District**

Annexation of a sizable segment (2,240 acres) of the Naval Weapons Center housing area to the Indian Wells Valley County Water District was approved unanimously during last Monday night's meeting of the district's board of directors.

There were no protests, either written or vocal, Dave Hamilton, water district manager, reported. The only action to be taken to culminate this matter is for Ivan Hopkins, the district's legal counsel, to notify the appropriate county and state agencies of the water district's new boundaries.

Such information is to be sent the board of supervisors, planning departments and Local Agency Formation Commissions of Kern and San Bernardino Counties, and also to the State of California.

The area that has been annexed to the ndian Wells Valley County Water District is bounded on the west by N. China Lake Blvd., on the east by the Kern-San Bernardino County line, on the south by E. Ridgecrest Blvd., and on the north the boundary extends (in most places) along Halsey Ave. Conditions Imposed by Navy

Conditions imposed by the Navy on the annexation are as follows:

(1) No costs or obligations are incurred by the federal government now or in the future as a result of the annexation. (2) The Department of the Navy does not

incur any costs or obligations as a result of the transfer of ownership of NWC excess properties. (3) The Naval Weapons Center reserves the right to continue serving water to

properties in the annexed area that remain

under Navy ownership. (4) Should NWC require that the Indian Wells Valley County Water District serve water to the Navy property within the annexed area, or to a portion thereof, agreement thereon will be negotiated in accordance with prevailing water district practices and procedures.



AFTERMATH OF STORM — A massive dose of work lies ahead for employees of the Public Works Department's Transportation Division as they carry out tasks necessary to repair NWC range area roads that were damaged by the recent rainsforms. This photo was taken near G range at the turnoff to Burro Canyon.

Speaking activity by William Haley concludes Black History Week here The annual observance of Black History the dinner-dance program, Grant Williams,

Week, Feb. 4-10, ended last Friday with a NWC's Deputy Equal Employment Opwhirlwind of speaking activity by William portunity Officer, introduced the honored Haley, son of Alex Haley, famous author of

The younger Haley, who is a career Army his day by addressing more than 1,000 Sierra Sands Unified School District students at the Center theater. Then, after visits to James Monroe Junior

High School in Ridgecrest and to Cerro Coso Community College, he joined a crowd of more than 250 persons at the NAACP / NWC People. Black History Week dinner and dance, which was held at The Shuttle (Enlisted

Throughout the social hour that preceded dinner, the crowd was entertained by Willie which was headed by Glenda Cubit. Gene Jefferson, a popular black magician from Bakersfield, who kept the audience alternately amused and spellbound by his

During the fast-moving opening portion of

guests at the head table. In addition to Haley, guest speaker of the evening, the list included Rear Admiral William L. Harris, man specializing in human relations, began NWC Commander, and his wife, Jean; Mrs. Priscilla Kinley, wife of Capt. F. H. M. Kinley, NWC Vice Commander; Mrs. Luverne Hillyer, wife of R. M. Hillyer, NWC Technical Director, and officers of the Indian Wells Valley Chapter of the National Association for the Advancement of Colored

In additition, Williams recognized various NWC department heads who were in attendance, as well as all members of the NWC Black History Week Committee,

Haley was introduced by Williams as a warm, caring and committed person concerned with equality for all. The speaker outlined the genealogy of his family as told (Continued on Page 3)

Rainfall record for valley set by latest storm

INSIDE...

The latest storm of the winter season. which began on Wednesday of last week and continued through this past Friday, dropped a record high 2.25 in. of rain on the Naval Weapons Center and the surrounding Indian

This, according to John Gibson, civilian weather forecaster employed by the Naval Weather Service Environmental Detachment, is the most rainfall recorded here during a single storm since May 1945.

The 3-day storm (from Wednesday night Feb. 8, through Friday morning, Feb. 10) was augmented by additional rainfall that left soggy conditions over the past weekend.

For a time last Friday, washouts on roads leading to the Indian Wells Valley - some as close as just outside the town of Inyokern and others in Red Rock Canyon or beyond Walker Pass — made travel into the valley impossible by highway.

Normal Rainfall Far Exceeded

Rainfall is measured by the calendar year, and the normal for this area is 2.89 in. per year, Gibson stated. However, last year, aerologists at the NWC airfield recorded 6.15 in. of rain, and since Jan. 1, 1978, the amount of rainfall has totalled an additional 4.86 in.

From mid-December until the present time, nearly 7 in. of rain has poured from the desert skies over NWC and the Indian Wells Valley, Gibson added. He expects, he said, that the comparatively mild winter weather will continue, since the valley hasn't been getting any major weather troughs of the type that usually come through here in the winter and bring with them cold winds from the polar regions.

Capt. R. B. Wilson, head of the Public Works Department, made a survey by helicopter of the flood control channels that were built since 1969 to insure that runoffs from flash floods or steady rainfall would not present a problem, and found that everything was working well.

Prior to the heaviest rains of last week, (Continued on Page 5)

A prime rib dinner will be served from 6 to 9 p.m., with music for dancing beginning at 8 p.m. Showtimes for the Kingston Trio Tickets, priced at \$12.50 per person for both the dinner and show, can be obtained by calling the COM, ph. 446-2549, for

Burros lose...



NEW LOOK AT WATER RESERVOIR - Work which has been under way since last September is now nearly complete on an aluminum dome covering for one of the Naval Weapons Center's water reservoirs located near Inyokern Rd., about two miles from the NWC main gate. The metal covering replaces a wooden roof that, over the years, has gradually worn out.

The work is being handled by employees

of Temcor, a Torrance, Calif., firm, at a

cost of \$188,978. The metal dome replaces an

old, worn-out wooden cover for the water

Two contracts have been awarded for

maintenance work at housing units in the

"hill" area adjoining the Commissioned

Officers' Mess. C&E Painting of Torrance,

Calif., was awarded a \$55,000 contract for

exterior painting, and doors have been

replaced at various housing units in this

same area by employees of Fabco of Los

Angeles. Total amount of the latter contract

Kern Construction Co. of Lake Isabella is

involved in a contract which calls for the

construction of a foundation for an 8-in. gun.

Cost of the reinforced concrete foundation

New books listed

at NWC library

A complete list of new books is

available in the NWC library. Library

hours are: Monday thru Friday: 1-9

Centerites are reminded that all

employees or military personnel,

regardless of their place of residence,

are welcome to use the NWC library.

FICTION

Harry Patterson — The Valhalla Exchange.

NON-FICTION

Andrew Carra — The Complete Guide to

Brian Crozier - The Man Who Lost China:

Norman Metzger - Energy: The Con-

Albert Rosenfeld — Mind and Supermind:

Patricia Weaver — Persuasive Writing:

The Manager's Guide to Effective Letters

a Biography of Chiang Kai-Shek.

The Pursuit of Mind's Mysteries.

Elizabeth Carter - Valley of the Kings.

Jerry Ludwig - Little Boy Lost.

Robin Cook — Coma

tinuing Crisis.

Craig Thomas — Firefox.

Hiking and Backpacking.

p.m.; Saturday & Sunday: 12-6 p.m.

and the associated earthwork is \$66,779.

Moving out to the G-2 range area, the

Remodeling of old Dispensary tops current construction project list

Five construction, renovation or of the NWC main gate. remodeling projects are currently under way on the Naval Weapons Center following the awarding of contracts which total

Largest job on the list is the remodeling of the old Dispensary at a cost of \$539,588. The contract for this work, which is to be completed in June, was awarded to the Stevens Co. of Lancaster.

The plans call for replacement and modification of air conditioning, plumbing and electrical systems, as well as roofing and floor covering, removal of some interior walls, carpentry, dry wall, plaster patching and painting.

The old Dispensary is scheduled for use to house the main office and various divisions and branches of the Technical Information

Now nearing completion is work on the construction of an aluminum dome cover for an existing water reservoir located near Inyokern Rd., approximately 2 miles west

Senior citizens able to get information, help at Cerro Coso

An on-campus Information and Referral Service for senior citizens has been established by Cerro Coso Community College.

Directed by Jean Blecha, the free referral service provides answers to questions on Social Security, legal problems, housing concerns, transportation, recreation / leisure activities and many other subjects.

A wide range of information from federal, state, county and local agencies has been gathered and is available to all senior citizens living in the Indian Wells Valley, Kernville, Randsburg, California City, Mojave and Boron. They are invited to see Mrs. Blecha personally on the college campus, or to contact her by calling 375-5001. Suggestions for improving the program are also encouraged.

The service is conducted by volunteers and anyone interested in helping is asked to contact Mrs. Blecha.

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

R. M. Hillyer **Technical Director**

Technical Information Department

Don R. Yockey Editor Mickey Strang Associate Editor (Acting) Gizelle Matulet Editorial Assistant Ron Allen Staff Photographe



current NWC employees and should be filed with the person named in the ad. All others desiring employe with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. 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 romotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor 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.

Motor Vehicle Operator, WG-5703-8, JD No. 538N, Code 2678, (1 Vacancy) This is a temporary position NTE 1 yr. — This position is in the Transportation Division of the Public Works Department. The incumbent drives vehicles either on a specific trip basis or on a regularly established route and schedule to transport material and equipment. Hooks and unhooks trailer from "fifth wheel" tractor; checks material loaded or delivered against manifests; keeps trip records and logs; inspects air hoses and connections in braking systems; checks lighting lines; reports any defects in vehicle operations, accidents, damages, or traffic violations; cleans assigned vehicles; performs minor maintenance on vehicles and equipment he is using; performs additional duties as required. Job Relevant Criteria: Must pass all required driver examinations must be able to operate all vehicles; maintenance of motor vehicles; work practices; reliability and dependability as a motor vehicles operator; ability to operate motor vehicles without more than normal supervision

ROCKETEER

Housing Project Manager, GS-1173-12, PD No. 7370001E. Code 265 - This position is Head of the Housing Division, Public Works Department, Incumbent is responsible for the management and operation of family and bachelor using units serving both military and civilian personnel. This includes long-range requirements planning, operation of an on-site housing program, financial management of housing funds, and tenant/public relations. Job Relevant Criteria: Knowledge of a housing organization; knowledge of Navy housing regulations and policies; ability to supervise; organizational and managerial abilities and personnel managemen knowledge and skills; ability to plan and organize work and establish priorities.

Transportation Superintendent, GS-1601-12, PD No. 7670017E, Code 267 - This position is head, Transportation Division, Public Works Department. Incumbent is responsible for the assignment, maintenance and repair of all automotive construction, railroad, mobile firefighting weight handling and materials handling equipment assigned to the Center. Job Relevant Criteria: Knowledge of a transportation organization; knowledge of Navy transportation regulations and policies; ability to supervise: organizational and managerial abilities and personnel management knowledge and skills; ability to plan and organize work and establish priorities.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 210, Ph. 2032. Supervisory Mechanical / Chemical Engineer GS-830 / 893-12 / 13, PD No. 7831022, Code 3124 — Title, Series, and grade level are tentative, subject to classification by Office of Civilian Personnel. This position is interdisciplinary. This position is head, Air craft / Armament Integration Branch, Aircraft Armament Division, Systems Development Department. Primary functions of the branch are to provide exploratory, advanced, and engineering research and development of chemical systems, including binary weapons, obscurant systems, decontaminates and decontamination systems, riot control agent weapons, etc. The incumbent must have expertise in analysis of chemical systems; planning of technical programs; documentation; and supervision of personnel. Job Relevant Criteria: Ability to supervise; knowledge of binary chemical weapons, obscurants, decontaminates, and liquid and solid aerosol dissemination; ability to

municate effectively in both oral and written form. Secretary (Typing) GS-318-5 PD No. 7831021, Code 31408 - This position is located in the A-6 / A-7 Program Office Avionics Division, Systems Development Dept. The incumbent performs secretarial duties for the head, A-6/A-Program Office. These duties include receiving and screening telephone and office callers; composing and typing letters, memoranda, technical notes and reports; receiving and distributing mail: making appointments and travel arrangements; and performing miscellaneous clerical duties. Job Relevant Criteria: Ability to type

identify problems and propose solutions; ability to com-



SUCCESS STORY - RAdm. William L. Harris, NWC Commander, congratulates Eva Bien, head of the Personnel Department at the Center, on completing 20 years of federal employment during which she rose from a position as a GS-3 clerk typist to her present job. Mrs. Bien holds a B.A. degree in personnel management from the University of California at Berkeley and an M. A. degree in public administration from the University of Southern California.

efficiently and accurately; knowledge of correspondence policies and procedures; knowledge of the organization ability to deal tactfully and effectively with personnel at all levels; ability to exercise judgement, initiative, and cefulness; and ability to meet deadlines under

February 17, 1978

File applications for the above with Pat Gaunt Bldg. 34,

Clerk-DMT, GS-316-3 / 4, PD No. 7235218N, Code 3522 -This position is that of clerk-DMT located in the Advanced Technology Branch, RF Development Division of the Electronic Warfare Department. The incumbent will type from dictating machine, rough draft or handwritten cop all types of letters, charts, memoranda, official correspondence, reports, and forms. Secondary duties will iclude answering phones, placing and receiving long distance calls, receiving visitors, arranging for travel, keeping timecards, sorting and distributing mail, and er office duties. Job Relevant Criteria: Ability to type accurately and efficiently: knowledge of Navy correspondence regulations and format; ability to work dependently; observed ability to be tactful and cou teous; knowledge of engineering terminology. Applications will be accepted from both NWC employees and

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Clerk-Typist, GS-322-3 / 4, PD No. 7839019, Code 3908 -This position is located in the Sparrow Program Office, Weapons Department. Incumbent supports program office secretary with such duties as receiving visitors and elephone calls; provides clerical and typing services for program office personnel; maintains files; makes travel arrangements: performs timekeeping functions: and other miscellaneous clerical duties as assigned. Job Relevant Criteria: Ability to type accurately and ef ficiently; ability to get along with others in the work group; ability to meet deadlines under pressure; knowledge of Navy correspondence and local filing

File applications with Cathy Rivera, Bldg. 34, Rm. 206,

Clerk-Typist GS-322-3 / 4, PD No. 7833012N, Code 331 -This position is located in the Advanced Systems Division of the Fuze Department. Duties and responsibilities in clude performing clerical duties such as maintaining files and typing travel orders and vouchers, stub requisitions, icial letters, reports, and general correspondence of a highly technical nature. Job Relevant Criteria: Typing skills, knowledge of Navy correspondence procedures, ability to interpret instructions, reliability and depen dability, and ability to meet and deal effectively with

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Librarian (PS&E), GS-1410-9, PD No. 7823009E, Code 233 from status eligibles will be accepted. This position is organizationally located in the Information Science Division, Technical information Department. (Continued on Page 7)



DIVINE SERVICES

PROTESTANT Sunday Worship Service Sunday School — All Ages Sunday School Classes are held in Chapel Annexes 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 0700 0830 1130 Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135, Blessed Sacrament

> CONFESSIONS 1115 to 1130

1615 to 1645 Saturday 0800 to 0825 Sunday RELIGIOUS EDUCATION CLASSES First thru 6th grades Sunday Pre-school & kindergarten Sunday Sunday seventh & eighth (Junior High) Above classes are held in the Chapel Annexes across from the former Center Restaurant. Ninth thru 12th grades Sunday evening "In Home" Discussion Groups As announced Youth Rallies

Contact Chaplain's Office for specifics. JEWISH SERVICES

EAST WING-ALL FAITH CHAPEL Sabbath Services every Friday UNITARIANS CHAPEL ANNEX 95 Services—(Sept.-May)

(Continued from Page 6)

Antelopes, 13-9. Midway through the third period of play, the Burros were still hanging on grimly, but still trailing by 3 points, 42-39, when the Antelopes began to find the range and hit four field goals, while holding the locals to a single 2 pointer from the floor and a pair of charity tosses. The result was a 50-43 lead for the visitors as the third quarter ended.

The man with the hot hand for the Antelopes was Mike Tolliver, who ended up with 20 points in the second half and a game high total of 33.

Trailing by 13 as the final period began, the Burros cut the Antelopes' lead to 4 points (53-49) in the first 21/2 min. of the fourth quarter, but after that the visitors continued to draw steadily away to win by a 15-point margin of 76-61.

In addition to Tolliver, whose 33 points put him well ahead of any other player in the game, the Antelopes had two other players in the double-figure scoring column. They were Matt Ely with 14 and Russ Richins, who tallied 10.

The Burros were led by Will Levy, a senior, who finished out his career as a basketball player at Burroughs with 21

As had been the case in a number of games earlier in the season, free throws were a factor in the final outcome. The visitors from Antelope Valley connected on 30 out of 37 opportunities at the charity stripe, while the Burros were able to make good on just 9 of 18 attempts - a 21 point

Sidewinders retain first place position in Premier League

The Raytheon Sidewinders continued to maintain a lock on first place in the Premier Bowling League, following Monday night's action at Hall Memorial Lanes.

The Sidewinders swept a three-game team series from Pollock Construction to remain 31/2 games ahead of the Elks Lodge keglers, who are in second place.

High team game for the night (a total of 1,003) was rolled by the Elks, while the Saddleback Sales team turned in the high team series (2.856).

High individual series honors were garnered by Allen Smith, who had a 3-game total of 648. Others over the 600 series mark were Benny Whiteside (640), Dave Vander Houwen (639), and George Barker (607).

Premier League bowlers with single game scores of more than 220 were Vander Houwen (245), Smith (243 and 225), Glen Collins (236), Whiteside (233), Jack Brown (229), and Barker (225).

Tryouts to select fast pitch softball team players slated

A fast pitch softball season that will represent the local area in out-of-town as well as local tournaments during the coming season is now being organized. The team, which last year went under the

name of the Raiders, will be directed by Richard Clodt, as manager, and Lou Radcliff and Les Basemore as co-coaches. Tryouts for this team, which will vie in

Class A softball competition, have been scheduled on Saturday and Sunday, Feb. 25-26, starting at 2 p.m. at the China Lake Pony League baseball diamond. All interested prospective players are invited to attend the tryouts.

The team's first tournament action has tentatively been scheduled during the last week in March in Fountain Valley.

8-mile run...

(Continued from Page 6) In addition there will be engraved medals for the first 10 fast-time finishers, another 10 medals for the first 10 handicap finishers, as well as first and second place medals for the top two women who complete the 8-mile

Fire Chief Knight to leave China Lake for Hawaii

Division in the Naval Weapons Center's Safety and Security Department for nearly four years, will be leaving China Lake on Feb. 26 for Pearl Harbor, where he will assume the newly-created position of fire chief of the consolidated Fire Department on the Island of Oahu.

Knight's duties here as head of the Fire Division will be taken over by Richard E.

This will mean a return to China Lake for Fire Chief Rightmer, who was here from February 1971 through May 1974. He reported aboard initially as deputy fire chief, then served as acting fire chief and was the NWC fire chief when he left NWC in

A "Hail and Farewell" luncheon honoring Fire Chief Knight will be held at The Shuttle on Thursday, Feb. 23, from 11:30 to 12:30. On the menu will be a fried chicken lunch served buffet style at \$2.10 per person.

Those wishing to attend are asked to make reservations by the end of the working day Tuesday by telephoning Mary Hinojosa, Fire Division secretary, at ext. 2146.

May 1974 for San Diego to become the Area Fire Marshal for the geographic area that covers the 11th Naval District.

The vacancy created here in May 1974 by the departure of Fire Chief Rightmer was filled by Fire Chief Knight. Rightmer remained in San Diego for about a year before transferring to Washington, D. C., where (until the present time) he has been serving as the Naval Facilities Engineering Command's Area Fire Marshal Program

In his new assignment, Fire Chief Knight will be responsible for a Department of Defense consolidated Fire Department for the entire Island of Oahu, and will be coordinating the activities of some 300



William R. Knight

personnel and 28 fire trucks that previously have been operated by the Army, Navy, Air Force and Marine Corps.

"It's an exciting opportunity and I'm looking forward to it," Fire Chief Knight stated. At the present time, he said, there is a Navy consolidated fire department in existence, but as soon as he gets there it will be his job to start putting the DoD consolidation program together.

"Increased efficiency with reduced costs is the goal of this effort," Fire Chief Knight noted. The end result of the consolidation also will be the availablility of a better pool of equipment and skilled manpower to handle fire fighting emergencies, he added.

Fire Chief Knight is a veteran of nearly 23 years of experience as a Civil Service fire fighter. He started out as a fire fighter trainee at Camp Elliott in San Diego, and held a succession of increasingly respon- 9, 7 and 5 years old, respectively.

sible and more demanding fire fighting assignments up until the time that he became the assistant fire chief at the Miramar Naval Station in 1966 - the position which he left to come to China Lake.

While at NAS Miramar, Fire Chief Knight assisted during the 1960s in the testing, development and evaluation of light water - an agent that has revolutionized aircraft inflammable liquid fire fighting throughout the world. He worked with the Naval Research Laboratory on the light water

Good use subsequently was made of the light water and ofter fire suppressive materials by Knight when, as assistant fire chief at NAS Miramar, he directed operations that resulted in the successful extinguishment of a large aircraft hangar fire in December 1969.

Served on College Faculty

During a portion of the 19 years that he spent at the Miramar NAS, Fire Chief Knight served on the faculty of San Diego Community College and (in 1970) developed the curriculum and taught the world's first college course in aircraft fire fighting and rescue procedures.

His interest in research and development of various fire extinguishing agents and equipment were important factors in his decision to transfer to the Naval Weapons Center in 1974. This interest has since grown to the point that Fire Chief Knight has become one of 20 members of the Aircraft Fighting and Rescue Committee of the National Fire Protection Association. The standards developed by this committee are adopted worldwide for aircraft firefighting procedures and equipment.

He will be accompanied to the Hawaiian Island of Oahu by his wife, Marta and their four children. The youngsters are Erika, Giselle, Robert, and Benjamin, who are 10,

Promotional Opportunities

umbent will be assigned to work in the various branches if the division as needed. As a specialist in a physical science or engineering field, the incumbent selects and acquires scientific and engineering media and performs descriptive cataloging of same. Other duties include providing reference services to clients and circulation and circulation control. Job Relevant Criteria: Knowledge of a physical science or engineering field appropriate for the mission of NWC; ability to work tactfully but effectively with all levels of NWC personnel; ability to select and acquire library media; ability to perform descriptive

File applications for the above with Tina Rockdal Bldg. 34, Rm. 206, Ph. 2676. Operations Clerk, AS-0301-05, \$3.36 PH, PD No. 77COM100, Code 0892 — This is not a Civil Service position

The incumbent provides clerical support to the Commissioned Officers' Mess manager. Incumbent types activity at their grade level. Applications will be accepted from current Department of the Navy

35 GOOD YEARS - Dr. M. M. Rogers, Laboratory Director (acting), congratulates Mangum L. Tyler on completion of 35 years of Federal Service. Tyler is an electronics technician in the Land Threat Evaluation / Development Branch of the Countermeasures Division of the Electronic Warfare Department. He has been at China Lake for 231/2 years, with prior service in Civil Service at Long Beach, Ca., and Corpus Christi, Tex. Tyler also served eight years in the Navy and two years in the Marine —Photo by Ron Allen

correspondence; makes appointments; files and maintains membership application file; routes mail; makes arrangements for entertainers and provides information for and books parties and other special events. Job Relevant Criteria: Qualified typist; ability to operate adding machine and cash register; knowledge of dining room operations; ability to deal factfully with customers;

Bartender, NA-7405-05, \$3.45 PH, PD No. 74COM108. Code 08921 - This is not a Civil Service position. Ap-

The following positions are organizationally and physically located in the Joint Cruise Missile Project Office Washington, D. C. These positions are temporary in nature and are not expected to last beyond two years (but may be extended beyond this time with approval of the Civil Service Commission Selectees will have return rights to their current

Electronics Engineer, GS-855-13 — This position is Launched Cruise Missile Project, of the Joint Cruise Missile Project Office. The incumbent is the senior Sea-Launched Cruise Missile (SLCM). He plans, coordinates, integrates and implements efforts to avoid electromagnetic interference between the CM and its associated hardware to vulnerability of the SLCM and associated systems to radiation, to protect critical circuits from elecromagnetic pulse energy, and to eliminate electromagnetic radiation hazards in regards to ordnance. Serves as chairman of the Electromagnetic Compatibility Advisory Board, which is responsible for technical aspects of electromagnetic compatibility in missile design and interface with associated systems; reviews plans, reports, designs, specifications, qualifications standards, and test procedures and requirements regarding electromagnetic compatibility aspects; directs, coor dinates, and integrates both contractors' and government activities' electromagneticompatibility efforts relative to the SLCM. Job Relevant Criteria: All eligible applicants will be ranked against the following factors: (1) knowledge of electromagnetic theory and technology; (2) ability to direct the efforts of weapons systems development contractors; (3) ability to com municate correctly and concisely, both orally and in writing; (4) skill in interpersonal relationships (maintaining harmonious relationships with in dividuals of diverse backgrounds and interests,

reconciling differences, facilitating compromises) Aerospace Engineer, GS-861-13 - This position is located in the Missile Integration Branch, Sea Launched Cruise Missile Project, of the Joint Cruise Missile Project Office. The incumbent performs both technical and managerial duties as Aerodynamics / Hydrodynamics Performance Project Enginee for the Sea-Launched Cruise Missile Project. As such, he develops aerodynamic/hydrodynamic performance requirements and specifications for the Sea-Launched Cruise Missile (SLCM) and oversees evaluate the aero-hydro performance of the SLCM.

alcoholic / non-alcoholic drinks to order; delivers drinks, receiving payment or appropriate charge to members credit card. May be required to serve catered parties stock service bar, prepare garnishes, wash glasses and other bar equipment. Job Relevant Criteria: Must have ability to do simple arithmetic and make proper change Must be able to follow instructions and deal effectively with people. Experience in preparing alcoholic beverages File applications for the above with Cheryl Hartley,

He prepares testing plans in conjunction with key personnel, including financial estimates and schedules; monitors contractors' tests, determines whether design specifications have been met recommends either approval of contractor reports or corrective action; provides contractor / government field activities with schedules, objectives, and priorities in achieving test results; advises SLCM Project Director, contractors, and government activities in defining performance goals; reviews bids and proposals for technical accuracy, responses to program requirements, and cost effectiveness Job Relevant Criteria: All eligible applicants will be ranked against the following factors: (1) knowledge of aerodynamic/hydrodynamic performance analysis and design; (2) ability to direct the efforts of weapons systems development contractors; (3) ability to communicate correctly and concisely, bot relationships (maintaining harmonious relationships with individuals of diverse backgrounds and in terests, reconciling differences, facilitating con

General Engineer, GS-801-13 - This position is located in the Missile Integration Branch, Sea Launched Cruise Missile Project, of the Joint Cruise Missile Project Office. The incumbent plans, directs. and implements reliability-and-maintainability (R&M) requirements for the Sea-Launched Cruise Missile (SLCM). Incumbent ensures that SLCM R&M requirements are within schedule and funding limitations; determines the appropriateness of existing military standards and specifications, their applicability to the SLCM, and tailors them as necessary to meet specific needs of the project; initiates meetings with management, engineers, and contractors for the purpose of comprehensive planning; provides consultation for contractor R&M programs; reviews contracts for R&M provisions evaluates contractors' compliance with contracts, their success in meeting the needs of the Project, and determines corrective action to be taken when necessary. Job Relevant Criteria: All eligible applicants will be ranked against the following factors: (1) knowledge of the methods and technology of reliability (R&M) engineering; (2) ability to direct the efforts of weapons systems development contractors; (3) ability to communicate correctly and concisely, both orally and in writing: (4) skill in interpersonal relationships (maintaining harmonious relationships with individuals of diverse backgrounds and interests, reconciling differences,

File applications for the above with Pat Gaunt Bldg. 34, Rm. 212, Ph. 2514.

The Rocketeer

Dr. Robert H. Pearson



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

Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with 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 o Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.

3354,3355,2347

Burroughs High School's varsity basketball team closed out its 1978 Golden League season with a 76-61 loss to the visitors from Antelope Valley High School in Lancaster last Saturday night at the Burros' gym.

The defeat, which was the fourth in a row for the local high school hoopsters, left them with a record of 3 wins and 8 losses in league play. A game which had been scheduled in the BHS gym last Friday night against Quartz Hill was cancelled because of rain flooded roads that made it impossible for the visitors to get here.

In their previous encounters with these two teams, the Burros defeated the Quartz Hill Rebels in the league season opener on Jan. 3, 62-49, but then lost three nights later to the Antelopes by a final tally of 75-56.

Burros Play Good Game

Playing before their hometown fans last Saturday night, the BHS cagers held their own for the first two periods of play, but couldn't match the scoring punch of Antelopes in the second half.

The Burros got off to a 4-0 lead in the lowscoring first quarter. The score was tied three times in the opening period, which ended with the Antelopes in the lead, 13-12, following a shot by Richi Drake of Burroughs that dropped in just as the buzzer sounded to end the first 8-min. of

Scoring Pace Picks Up

The scoring pace by both teams was picked up a bit in the second quarter during which the Burros never trailed by more than 3 points, tied the score at three different times, and (with 1 min., 4 sec. remaining before the halftime intermission) held a short-lived 27-26 lead.

The Antelopes were back on top, 32-29, at the midway point in the game, however, but it was their free throw shooting ability that made the difference. A look at the stats showed that the visitors had cashed in on 14 charity tosses, compared to just 3 for Burroughs in the first half. In field goals, however, it was the Burros who led the (Continued on Page 7)

Close-scoring games played in Div. C of Intramural League

Close-scoring games were a hallmark of last week's action in Division C of the China Lake Intramural Basketball League. The Wild Bunch and Team "W" played

and won two games each to remain tied for the Division C lead with season records of 8 wins and 1 loss apiece.

The Wild Bunch outflanked the Renegades by the narrow margin of 52-50, and then squeaked past Team "X" in a low-

Team "W" edged the Jokers, 30-28, and posted a 31-21 win over the Gasbags.

In the only other Division C game played last week, the Medicine Men put the hex on the Lobos, 38-35. Next week's slate in Division C is as follows:

Tuesday, Feb. 21 - Team "W" vs. Wild Bunch, 6 p.m.; Renegades vs. Medicine Men, 7:15 p.m., and Lobos vs. Gasbags, 8:30

Wednesday, Feb. 22 - Renegades vs. Gasbags, 6 p.m; Team "X" vs. Team "W", 7:15 p.m., and Jokers vs. Wild Bunch, 8:30

Thursday, Feb. 23 - Team "W" vs. Medicine Men, 6 p.m.; Lobos vs. Wild Bunch, 7:15 p.m., and Team "X" vs. Jokers, 8:30 p.m.

> Intramural League **Basketball Standings** Division C





ROCKETEER

TWO POINTS COMING UP - Tony Boulden (with ball) of the Devils Guns worked his way past Gary Ziegler, of Loewen's, to drive in for what appears to be an easy basket during the intramural league championship game played last Saturday night at the Center gym. In good position to grab a rebound is Kelvin McSwain (at right), another player for the Devils Guns, while Scott Shacklett, of Loewen's, can be seen hustling up from the left. The Devils Guns won the game and the league title by a score of 66-45.

—Photos by Ron Allen

Devils Guns defeat Loewens to win Intramural Basketball League title

the league championship in the titledeciding contest played last Saturday Coming on strongly at the end of regular season play, the Devils Guns had ended up tied with Loewen's for the Division A lead

with a 9-3 record. When the chips were on the line for the intramural league title, however, the Devils Guns salted away a 66-45 win over the Loewen's squad.

The score was close from the opening tipoff with seldom more than 3 points separating the two teams until the final minutes of the game, when the Devils Guns were able to capitalize on mistakes made by their opponents and pulled away to win by a final margin of 21 points.

Closing Minutes Make Difference

Midway through the game, the Devils Guns led 23-19, but it was John Spells of the Devils Guns, who suddenly began penetrating the middle of the Loewen's defense and getting off shots from close in around the key, who provided the allmilitary team with the points needed to clinch the win in the final minutes of the

Spells, who tallied 15 points for the Devils Guns, accounted for 10 points in the last 3 to 4 min. of action. The game's high point man was Tom Flornoy, also of the Devils Guns, who chalked up 18 points. In addition, Tim Cornelius and Kelvin McSwain had 10 apiece for the league champs.

The Loewen's team was led in the scoring department by Scott Shacklett, who tossed

In the single elimination play-offs that

Annual meeting slated by China Lake Tennis Club

The China Lake Tennis Club will hold its annual meeting and election of officers on Thursday, Feb. 23, at 7:30 p.m. in the Community Center.

Slides of last year's tennis activities will be shown, and refreshments will be served. Anyone interested in tennis is welcome.

Those seeking further information may contact Steve Leyda, president of the Tennis Club, by calling NWC ext. 3113.

The Devils Guns, an all-military team were held to decide the China Lake Inentered in Division A of the China Lake tramural Basketball League championship, Intramural Basketball League, snapped up the Desert Motors hoopsters raced to a 54-41 win over the Clansmen, while the Devils Guns blasted the F.A.C. team from Trona, evening at the Naval Weapons Center gym. 53-48, in the opening games that were played on Tuesday night of last week.

Win Sets Up Play-off Game

The next night, Wednesday, Feb. 8, the Loewen's cagers won a hard-fought game, 49-45, over the Foremost Boys, undefeated champions of Division B, and the final playoff game on Saturday night was set up when the Devils Guns sidetracked the Desert Motors cagers, 53-46, on Thursday,

For their efforts in winning the intramural basketball championship, the Devils Guns received a team trophy, as well as individual trophies that were awarded to



TROPHY PRESENTED - Greg Robbins (in center) and Kelvin Mc-Swain, co-captains of the Devils Guns, accept the team championship trophy on behalf of the Devils Guns. The presentation to the China Lake Intramural Basketball League champs was made by Doug Nelson, NWC athletic director.



February 17, 1978

Recreation Round-up

Trophies presented to winners of men's racketball tourney

Four trophies were presented to the winners of the doubles racketball tournament for men, which was held last Friday, Saturday and Sunday at the Naval Weapons Center gym.

In the open division for advanced players, trophy winners were the team of Craig Rae and Kirk Hoffner. They had to go all out to defeat Les Saxton and Tom Dodson, 21-19, in the first game of a best two-out-of-three championship series, but then clinched the title with a 21-14 win in the second game.

Winners of the intermediate division were Hiram Moore and Ron Derr, who were opposed by Mike Pangle and Steve Livingston in the championship match. Moore and Derr romped to a 21-6 win in the first game and then posted a 21-12 victory in game No. 2.

Help Needed by Little League

In preparation for the start of the China Lake Little League's 1978 season, managers and coaches are needed for teams in the Minor Division (for youngsters 9 through 12 years of age) and in the Farm Division (for youths 8 through 10 years of age).

In addition, Little League officers are looking for volunteers who are willing to lend a hand to help get the baseball diamonds ready for the coming season of play, and umpires also are needed.

Interested persons are asked to contact either Henry Blecha, at NWC ext. 3643 or 446-2346, or Dick Johnsen, at NWC ext. 2400 or 446-2381, as soon as possible

More About Racketball

A 10-min. grace period is now in effect on all reservations that are made for use of the Center's racketball courts. This means that all those who reserve a racketball court for a certain time, but who do not show up by 10 min. past the hour, will lose their reser-

Over-Hill Track Club announces plans for 8-mile run Feb. 25

Preparations are moving ahead for the next Over-the-Hill Track Club-sponsored event, which is to be a Washington's Birthday run on Saturday, Feb. 25.

Check-in time at the Desert Empire Fairgrounds in Ridgeerest is 9:30 a.m., and the race itself — a distance of 8 miles (two laps around a well-marked, flat, paved road course) - will begin at 10:30.

The popular Portsmouth start system will be used which allows sizeable handicaps (head starts) for joggers and slower run-

A large number of out-of-town entrants from throughout southern California are expected to compete in this event, including Regina Schuetze, a nursing student at Cal-State University in Long Beach, who will be back to try to break her own women's record which she set here for the 8-mile run.

Miss Schuetze recently ran a swift 3 hr., 5 min., marathon at Mission Bay in San Diego, and was one of the top women finishers in that event.

For the first time in this, the fourth annual Washington's Birthday run, awards will be give to the top two husband and wife teams - based on their combined running

(Continued on Page 7)



NATIONAL ENGINEERS' WEEK PROCLAMATION SIGNED — The period of Feb. 19 through 25 has been designated National Engineers' Week in the Indian Wells Valley in a proclamation that was signed by Capt. F. H. M. Kinley (seated at left), Vice Commander, on behalf of Rear Admiral William L. Harris, NWC Commander. Examining the proclamation with Capt. Kinley is Ted Edwards, Mayor of Ridgecrest, who joined him in signing it. Representatives of local chapters of engineering societies who were present for the occasion were Ray Van Aken (seated at right), of the American Institute of Aeronautics and Astronautics, and standing (I.-r.) Wally Parmenter, of the American Society of Mechanical Engineers; Bill Marsh, of the Society of Manufacturing Engineers, and Dave Brown, of the Institute of Electrical and Electronic Engineers. Parmenter and Marsh are also members of the American Society for Quality Control.

National Engineers' Week, scheduled this

year during the period from Feb. 19 through

the evening of Tuesday, Feb. 21, at the

Commissioned Officers' Mess, and a

Soldering Technology Seminar during the

day on Thursday, Feb. 23, at the Com-

"Engineers - Strength in Crisis" is the

theme of 1978 National Engineers' Week,

which will mark the 200th anniversary of

George Washington's call for formal

Featured speaker at the dinner on

Tuesday will be Dr. James Clinton, director

of the Energy Center at the University of

California at San Diego, who conducts

research sponsored by the U.S. Department

of Energy and the San Diego Gas and

plications of Solar Energy" will include

a social hour prior to a prime rib dinner that

is to be served at 7 p.m. The talk by Dr.

Master of ceremonies for the evening will

be Ray Van Aken, head of the

Aeromechanics Division in the NWC

Systems Development Department. The

program will also feature remarks by Ted

The association (hIDEA) is composed of

either by local sections or chapters or by

Tickets to the Engineers' Week dinner at

the COM are priced at \$7.50 per person (if

ordered in advance) and also will be

available at the door Tuesday evening at a

Those wishing to obtain their tickets

ahead of time can do so by calling Tony

Miller, ph. 446-3501; Bruce Bartels, NWC

In conjunction with hIDEA's observance

of National Engineers' Week, the Sierra

Sands Section of the American Society for

Quality Control and the Naval Weapons

ext. 3421, or Cliff Stine, NWC ext. 3741.

Dinner Tickets Available

Clinton is slated at 8 o'clock.

Edwards, Mayor of Ridgecrest.

interested members.

cost of \$8.50 per person.

Electric Co.
To Discuss Solar Energy

munity Center.

built devices.

education in engineering.

VX-5 selects AA Mary Kapler as Sailor of Month for January

Airman Apprentice Mary A. Kappler has been selected as the Sailor of the Month for January by Air Test and Evaluation Squadron Five.

AA Kappler is assigned to duty in the VX-5 Printing and Graphics Shop. Here she works with the press, the platemaker, and collater, and has even been able to take care of some repairs on them although she has not had formal schooling for this work.

In the letter of commendation written to her by Capt. L. E. Giuliani, Commanding Officer of VX-5, he notes the "Your performance, while always of a high caliber, was exceptionally noteworthy during January when you were required to handle all printing responsibilities by yourself for a period of 10 days. During this time you completed all job requests in a most courteous and expeditious manner. The final product of your efforts reflected your high level of professionalism.

AA Kappler claims Kansas City, Mo., as her home town. She was graduated from Raytown High School before joining the Navy 10 months ago. She entered the Navy with the thought in mind of learning a trade and doing some traveling. ("Having a cousin who was a Navy recruiter had something to do with it, too," she adds.)

When detailed to China Lake after two months of boot training at Orlando, Fla., she says that she thought that this would be some sort of a resort spot, and was hoping to do some water skiing on the lake.

AA Kapler adds with a smile that she

AA Mary A. Kappler

guesses she'll have to learn how to ski snow instead.

For her selection as Sailor of the Month for VX-5 AA Kappler will receive a 96-hour liberty pass and a free dinner for two at The

Meet candidates night program to be held Wednesday

A meet-the-candidates' night program, which will provide the opportunity for all interested Ridgecrest residents to size up the 12 candidates for two vacancies on the Ridgecrest City Council, will be held on Wednesday, starting at 7:30 p.m., at the Las Flores School auditorium.

Robert Raful, dean of community services at Cerro Coso Community College, will serve as moderator for the evening.

Following brief remarks by each of the candidates, there will be an opportunity for members of the audience to question those seeking election to the city council.

The candidates are: Ted Edwards, mayor, and Florence Green, another incumbent who is seeking re-election; Al Pena, Rick McDonald, Every Jo Mc-Clendon, Roy (Chick) Bowling, Harold Hockett, Ben Hartman, June Pelletier, Jeff Grossman, Homer Witwer and Anthony San

The candidates' night program is being sponsored by the East Kern County Chapter of the American Society for Public Administration, the Indian Wells Valley Chapter of Federally Employed Women, the Kern Desert Business and Professional Women's Club, the China Lake-Ridgecrest Branch of the American Association of University Women, the Junior Women's

discuss state-of-the-art advances in support of the NWC, Department of Defense and

Some of the principal speakers at the seminar, and their topics, are:

Dr. Clinton's talk on "Present Ap-Soldering"; Jerry Higgins, of Alpha Metals, "Soldering Contamination and Imremarks on the history and future of solar purities"; Richard Johnson, of Hexacon energy applications, as well as information Electric, "Heat Application and Transfer": on some commercially available and home-Joe Keller, of Motorola, Inc., "Maintaining Printed Circuit Board Solderability During He will address a joint meeting of Shelf Life," and John Pulliam, of Texas

25, will be observed locally by a dinner on 8:30 a.m. next Thursday, Feb. 23, at the The day-long seminar will be followed on

Friday, Feb. 24, by a laboratory session at the Center's Soldering Technology Branch The NWC Engineering Department's Soldering Technology Branch, headed by Jim Raby, will host the seminar. Experts

industry soldering program.

from around the country will gather here to

National Engineers' Week to be observed Feb. 19-25

Community Center.

Center are co-sponsoring the Soldering

Technology Seminar, which will begin at

Harold Peacock, from the Production Engineering Support Office in the Office of Secretary of Defense, "Cost Effective members of the High Desert Engineering Instruments, "Solderability Preparation

Interested persons can obtain additional information about the seminar, or make arrangements to attend it, by contacting Jim Raby, phone NWC ext. 3846 or 3243. The Soldering Technology Seminar

during the day on Thursday, Feb. 23, will be continued during a dinner session at The Shuttle (Enlisted Club). A social hour at 6 will precede dinner at 7.

The program for the evening will feature a talk by Peacock, from the Office of the Secretary of Defense, on the subject of "Cost Effective Soldering."

Tickets to the Feb. 23 dinner are priced at \$7 in advance or \$8 per person at the door. They can be ordered by calling Elaine Jenne, at NWC ext. 3243 or 3846, or Tony Miller, ph. 446-3501.

Also on tap during National Engineers' Week will be a beer bust for all scientists and engineers in the local area. It will be held on Washington's birthday (Wednesday, Feb. 22), from 4:30 to 6 p.m. at the Chief Petty Officers' Club. No reservations are required for this party, which is being sponsored by the Desert Empire Chapter of the California Society of Professional

Black History...

(Continued from Page 1)

Club, and the Ridgecrest Lions Club.

in the book "Roots," showing his direct lineage back to the "African" Kunta Kinte.

After answering questions about "Roots," Haley then launched into a discussion of affirmative action and equal opportunity. He pointed out the fact that equal opportunity is a concept as old as the nation itself, and that it is a good management principle to hire the best, but he stressed that both equal opportunity and affirmative action is the law. He also underscored the fact that affirmative action is not reverse discrimination.

Haley held the audience virtually spellbound for 45 minutes, and was interrupted several times with applause.

At the conclusion of his talk, the guest speaker was the recipient of a certificate of appreciation and an NWC plaque that were presented to him by RAdm. Harris.

The evening's festivities then continued with dancing and listening to the music of the "Federal Choice," a combo with singer from the Los Angeles area.



MEMENTO OF VISIT — An NWC plaque and a certificate of appreciation were presented by Rear Admiral William L. Harris, NWC Commander, to the guest at the dinner-dance which climaxed the local observance of Black History Week, Feb. 4-10. The recipient was William Haley, son of Alex Haley, famous author of the best selling book "Roots." -Photo by Ron Allen



for the finished product. These are then

hand-polished by Shaffer before being

passed on to the scientist or engineer for

Despite the sophistication of the

machinery now used for cutting, grinding,

and polishing (and checking the accuracy of

the work done), Shaffer says that in essence

not much has changed in the optical field

since Galileo's day: the work is still an art

("the last art there is" according to him),

materials still are glass or similar sub-

stances, and the polishing agents are still

pitch and rosin and beeswax. And the

worker in the optical laboratory still derives

his greatest satisfaction from being able to

recognize the beauty of the lenses and

prisms and mirrors he creates.

whom they were made.

BLACK HISTORY WEEK OBSERVED-This camera's-eye view delivered by Grant Williams (upper right photo), NWC's Deputy captured a cross-section of many and varied activities which Equal Employment Opportunity Officer, on Feb. 6 and 7 at the were held at the Naval Weapons Center during the annual observance of Black History Week, Feb. 4-10. Among honored guests African art exhibit that was set up on Feb. 8 at the Community at the head table for the dinner and dance held last Friday night at Center are (lower left photo) Eloy Dominguez and Glenda Cubit. The Shuttle were (top photo, I.-r.) Mrs. Priscilla Kinley, William chairperson of Black History Week, while at right may be seen Haley, the featured speaker, Mrs. Jean Harris, RAdm. W. L. the participants in a poetry reading session entitled "I Am the Harris, NWC Commander, Mabel Hawley, chairperson of the Darker Brother." Those who took turns reading the works of dinner-dance, and her husband, William. A two-part presentation some notable black authors were (1.-r.) John Haywood, Florence

Community Center. Looking over a portion of the art show and on Afro-American history from 3000 BC up until now was Green, Ava McClendon, Steve Nixon and Nona Celestine.

Optics Lab handles precision work...

(Continued from Page 1) finished. Here also is the cylinder grinder used for optically centering lenses.

Shaffer casually notes that small tolerances don't really enter into the work in the generating room since there things only need to be cut to an accuracy of a thousandth of an inch.

When the material to be prepared leaves the generating room it goes next to the blocking room where pieces that must have special handling are mounted in either plaster or pitch so they can be ground or polished more readily.

At this stage, grinding then takes surface tolerances to a ten-thousandths of an inch before materials are moved to the polishing room where they are polished to tolerances of a millionth of an inch.

The polishing room looks like it is being run by a series of invisible elves. The bowl polishers move automatically day and night. Some special shapes - such as toroidal (doughnut shaped) mirrors-need up to six months of continual polishing.

The device creating the toroidal shape mirrors used for various research purposes, was co-invented by Shaffer, who jointly hold the patent on it.

Bus trip to Las Vegas planned on St. Patrick's Day

A St. Patrick's Day special bus trip to and from Las Vegas has been arranged by the Special Services Division.

The bus will depart from the Community Center at 12:30 p.m. on Friday, March 17, and the return trip from Las Vegas is scheduled to start at 1:30 p.m. on Sunday, March 19.

"Leave the driving to someone else" is the suggestion of Special Services Division officials, who note that for the price of \$59.99 per person those taking advantage of this offer will receive transportation, a stay of three days and two nights at the Stardust Hotel, and a book containing coupons valued at approximately \$40.

Additional information can be obtained by calling Art Amos, manager of the Community Center, at NWC ext. 2010.

Washington's Birthday Some of the optical work is of such sale scheduled at NEX delicacy that even the machines cannot achieve the final degree of accuracy needed

The main store of the Navy Exchange will feature a special sale in honor of Washington's birthday today and tomorrow only. Flyers are available in the store listing prices for anyone who might wish to plan purchases ahead.

Sale items include plastic and aluminum ware, 50-piece stainless flatware sets, sporting goods, hardware, and, for those with a sweet tooth, candy of all sorts.

Assorted cotton crawlers in 6- to 24-month sizes are featured for the young set, as are girls' knit tops in sizes 4 to 6X, small, medium, and large.

Of particular interest to women are women's pants and shirts (both long and short sleeve styles), pullover knit tops, and hypoallergenic pierced earrings.



CHECKING THE WORK — Joe Shaffer checks prisms imbedded in a plaster compound to hold them in place for surface polishing in the bowl feed polisher seen above. The bowl feed polishing devices run 24 hours a day to produce the finished surface sought on lenses, prisms, and mirrors. -Photo by Ron Allen

Employee Services Board has smoke detectors for sale

The Employee Services Board announces that it has on hand smoke detectors for sale to Centerites who wish to protect themselves in case of home fires.

These devices are a portable type that can be removed and taken along whenever the owner moves to a different dwelling, and are rated by the Consumer's Union as the No. 1 household accessory of their kind. They can be purchased for \$29.50 each, a saving of nearly 40 percent over the usual retail price.

Those interested in purchasing the devices may do so between the hours of 7 and 9:30 a.m. and 1:30 to 4 in the afternoon at the office of the Employee Services Board, Rm. 25 in the Housing Building. Checks for the correct amount should be made out payable to the Employee Services

NWC Fire Division personnel at both the main fire station (corner of Halsey and Lauritsen) and Fire Station 3 (at the airfield) will be happy to provide instruction on installation of these devices to Center military and civilian personnel.

Those seeking further information about the smoke detectors can call the ESB at 446-

Over 150 items up for sale at auction of surplus property

More than 150 different items, ranging from electric typewriters and calculators to office furniture and evaporative coolers, will be up for sale during an auction of surplus property that will get under way next Thursday, Feb. 23, at 9 a.m. at the Community Center.

Registration for the auction sale, which is open to the public, will begin at 8 a.m. on the day of the sale. Items purchased may be removed on the day of the sale, provided that full payment is made at the time.

Prior to that time, prospective bidders can inspect the wide variety of items that will be up for sale by paying a visit to Warehouse 41, which is located adjacent to the Defense Property Disposal Office at

Warehouse 41 will be open for this purpose on weekdays between the hours of 8 a.m. and 3 p.m.

No bids will be accepted by mail and only those bidders who are present at the Community Center and have registered prior to the time that the auction begins will be eligible to participate in it.

Additional information can be obtained by calling Bill Giuliani, head of the Defense Property Disposal Office, at NWC ext. 2502

Most facilities to be closed on holiday Monday

Most facilities on the Naval Weapons Center will be closed Monday in observance of Washington's birthday.

Special Services activities that will be open include Hall Memorial Lanes, the golf course, the gymnasium, and the indoor swimming pool. The Youth gym will be open from 10:30 a.m. until 4 p.m. for general use.

The bowling center (and snack bar) will be open holiday hours — 11 a.m. to 11 p.m. The gymnasium will be open from 11 a.m. until 7 in the evening, and the indoor pool will be available from noon until 6 in the evening.

The China Lake golf course will be open (weather permitting) from 7:30 a.m. until dusk

The camping issue shop, hobby shops, Community Center and Youth Center will be closed, as will both the Navy Exchange and the Commissary



FAREWELL FETE - The combined congregations of the All Faith Chapel joined in honoring Chaplain and Mrs. T. C. Herrmann, NWC senior chaplain, at a farewell reception attended by more than 400 persons last Sunday afternoon at the Community Center. As these photos were taken, Chaplain Herrmann was hugging a youthful admirer (upper left) and cutting the first slice of cake that was baked and decorated for this special occasion. In the photo with him (at top right) are his wife, June (at left) and two of the reception committee members - Marlene Page and Linda Fleeger. Unveiled in the photo (center, left) was a roll top desk that was a gift to the Herrmanns from Protestant, Catholic, Hebrew and Unitarian congregations. Among those present for the farewell fete (photo insert middle, right) was Chaplain Robert Osman, former NWC senior chaplain now serving at Camp Pendleton. In the lower right photo, Chaplain and Mrs. Herrmann are displaying a "petition of protest" concerning their pending departure on Feb. 24.



ago he had been a little bit dubious about the

Now, however, due to the shift by society

in general and the U.S. Navy in particular

toward increased emphasis on equal op-

portunity, human goals and various

"people" programs, he feels fortunate that

his studies leading to a degree in social

sciences were concentrated in the areas of

psychology and sociology. The Navy, he

added, will provide the technical training

At the present time, ATC Bozony

supervises the work of 26 men who are

responsible for support of the logistics

aircraft at the NWC airfield-making sure

cargo and personnel transport-type air-

craft, helicopters used in search and rescue

Proudly displaying his college degree,

Chief Bozony expressed gratitude for the

support of his wife, Sandra, and their sons,

operations, and the OV-10 Bronco.

required in his field.

value of a degree in social sciences.

8 yrs. of off-duty study nets BA degree for Navy chief

was realized recently by John P. Bozony, Pacific on board the aircraft carrier USS in his Navy career, he noted that eight years Chief Aviation Electronics Technician in charge of the NWC airfield cold line, when he received a bachelor of arts degree in social science during mid-year commencement exercises held at Chapman College in Orange, Calif.

ATC Bozony, a veteran of 21 years of active duty in the Navy, is currently serving his second tour of duty at the Naval Weapons Center.

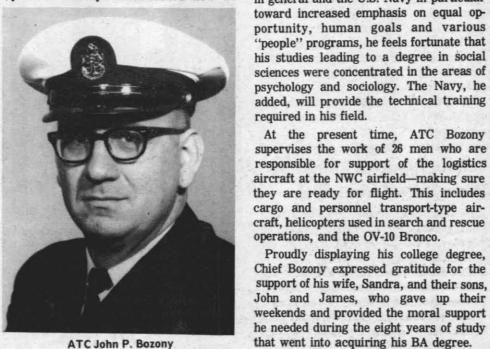
During his first assignment here, he decided (after a lapse of 13 years since his graduation from high school), to pursue higher education by attending courses that were offered by the Desert Campus of Bakersfield College-forerunner to the Cerro Coso Community College.

He received an AA degree in 1973 and then enrolled in courses offered locally by the resident education center of Chapman College. He was able to continue studies towards his BA degree during the time he was assigned to duty with Fighter Squadron 21, homeported at Miramar, Calif.

ATC Bozony served from the early part of 1974 until November 1977 as VF 21's quality control division chief. This tour of duty

The fulfillment of one of his lifetime goals included a lengthy cruise in the Western thought his college degree would be useful

His college graduation ceremony was the culmination of eight years of off-duty study by Chief Bozony. When asked how he



John and James, who gave up their weekends and provided the moral support he needed during the eight years of study that went into acquiring his BA degree.

Career expansion workshop set for blue collar workers

Applications for enrollment are now being taken from Naval Weapons Center employees who are interested in attending a Career Expansion Workshop for Blue-Collar Workers.

Objectives of the workshop, which is intended for those employed in various trades and labor fields, or technicians, police officers and fire fighters, are to increase employees' motivation and planning for a specific career goal, and to assist individuals in exploring career options.

Career development is looked upon as primarily an individual's responsibility, and it is recognized that building from an individual's strengths lessens career risk.

Members of the Personnel Department's Career Expansion Workshop staff also believe that career planning is a continuing process, that an employee's motivation can be changed, and that multiple careers help keep career options open.

The next Career Expansion Workshop will be preceded by a 3-hour orientation session that will be held from 1 to 4 p.m. on Wednesday, Feb. 22, in Rm. 107 of the Training Center.

During the orientation session, how the workshop is to be conducted will be explained in detail and participants will be given tests aimed at identifying their motivations and occupational interests.

Follow-up workshop sessions have been scheduled March 28 through 31, from 7:30 a.m. to 4 p.m., also at the Training Center.

NWC employees interested in attending the Career Expansion Workshop for Blue Collar Workers are urged to submit a training request and authorization form via proper department channels to Code 094 as soon as possible.

Rainfall record...

(Continued from Page 1)

Public Works Department personnel spent a lot of time making sure that storm drains and ditches were clear of obstructions, and this work paid off since the drainage system designed to protect the housing and commercial area of the Naval Weapons Center was able to do the job for which it was built.

While the unusually heavy rainfall has not been a cause of concern to most Centerites, employees of the Public Works Department's Transportation Division now have quite a job on their hands of rebuilding roads in the outlying range areas of the Naval Weapons Center.

This past Monday morning, E. A. Walker, acting head of the Code 267, was busy studying reports and trying to decide where to concentrate the road repair work. "There are a dozen sites where we know that range area roads have been washed out, but we are trying to take care of the heavilytraveled roads that are located closer in first " Walker said

The only access to the north range areas on Monday morning was by way of Olancha and Darwin, Walker noted, and one remote site 15 miles from the main area of Randsburg Wash also was cut off from access by vehicle due to flood-damaged roads.

Brown Bag Seminar slated on 'Physical **Outlets for Stress'**

"Physical Outlets for Stress" will be the subject of a Brown Bag Seminar on Tuesday from 11:30 a.m. until 12:30 p.m. in the Community Center.

The speaker will be Jackie Haff, an instructor from Cerro Coso Community College, who teaches yoga, cross country skiing, swimming, and aerobic dance both at the college and on the Center.

The seminar is part of a series sponsored by the Employee Assistance Program to help civilian and military personnel deal with stress. All interested persons are welcome to attend. Attendees are reminded to bring a brown bag lunch.