Page Eight



THERE'LL BE GIFTS FOR CANINE PETS, TOO - Added this year to the wide array of gift items which will be on sale Nov. 17 and 18 at the WACOM-sponsored Holiday Bazaar will be a wreath made of dog biscuits for the family's pet pooch or that of a friend or neighbor. Boosters of the Indian Wells Valley Spay and Neuter Program will man this booth. All of the money earned will go directly into a fund that is used to rebate up to \$25 of the cost of having dogs or cats spayed or neutered as a means of controlling the pet population explosion in the local area. Helping to call attention to the Holiday Bazaar, and this booth in particular, are 3-year-old Laura Decker, who is holding one of the dog biscuit wreaths; Yasa Kahn, a Samoyed, who is wearing one of the wreaths, and Perry Decker, Laura's 5-yearold brother. Yasa Kahn is owned by Mr. and Mrs. George Carlo of Ridgecrest.

WACOM Holiday Bazaar to open on Nov. 17 at Community Center

naments, switchplate covers, and booties.

Maturango Museum - books, silver and

turquoise jewelry, photographs, block

At the CPO Wives Club booth, patrons of

the Holiday Bazaar will find dresser dolls,

plaques and decorated hair combs, while

members of the Military Officers' Wives

Clubs have cleared out their closets in order

For those whose appetites are whetted by

the aroma of homemade baked goods and

candies, WACOM will have a tearoom well

supplied with cakes, pies, sandwiches and

Santa Claus will be on hand to chat with

young children about their holiday season

gift list, and the Cerro Coso WOWs will have

a photograph booth where youngsters may

have their pictures snapped with or without

Santa.

IWV Association for the Retarded

Christmas cards and calendars.

to have a "white elephant" sale.

prints and wind chimes.

The annual Holiday Bazaar, sponsored by Barbie doll clot the Women's Auxiliary of the Commissioned Officers' Mess and held at the Community Center, is just around the corner

Rear Admiral William L. Harris, NWC Commander, will officiate at a ribboncutting ceremony at 10 a.m. next Friday, Nov. 17, to mark the start of this gala affair, which will be open from 10 a.m. to 8 p.m. on Nov. 17, and from 10 a.m. to 4 p.m. on Nov.

According to Sue Byrd, chairman of this ninth annual bazaar, the list of clubs and organizations scheduled to take part in this yearly fete has grown to 24.

Members of these groups will be offering a wide variety of items for sale as a means of raising money for scholarships, mission projects, and other charitable activities.

Mrs. Byrd urges all local area residents and their guests to attend, do a bit of holiday shopping, and enjoy the creative efforts of their friends and neighbors.

The Community Center will be festively decorated for the occasion, and each of the participating organizations will have its own booth decorated in bright colors of the holiday season

A partial list of the groups which will be endeavoring to raise money by participating in the bazaar, and some of the many items they will be offering for sale, follows:

Pink Ladies Auxiliary of the Ridgecrest Community Hospital - sachets, bows, ribbons, small decorations and flowers for packages.

Desert Flowers Chapter No. 125 of the Navy Wives Club of America — dust mitts,

College dramatists to present play for mature audiences

Drama 27 production of Peter Shaffer's play "Equus" will be presented Nov. 10, 11, 17, and 18 at the college lecture center. Curtain time will be 8:15 p.m. for this play which is recommended for mature audiences only. The play is structured around a real event, the blinding of a number of horses,

which occurred near London in 1970. General admission tickets are \$2.50, with students and ASB card holders being admitted for \$1.25. Tickets are now on sale at the Gift Mart and Sports Etc. in Ridgecrest, and at the college business office.

ROCKETEER

Thunderbirds to fly at Edwards AFB open house Sunday

Edwards Air Force Base will hold an open nouse and air show on Sunday, Nov. 12, in honor of the 75th anniversary of the Wright Brothers flight at Kitty Hawk.

The gates at Edwards will open at 9 a.m. that day to the public, with static displays including more than 100 different aircraft being open from then until 3:30 p.m.

The Thunderbirds, the official demonstration squadron of the Air Force, will arrive in their T-38 Talon aircraft at 10 a.m., at which time they will make a short demonstration flight. They will present their last California air show for 1978 at 2

Other air shows planned for the day include a flight demonstration of four aircraft - the F-5E, F-15, F-16, and A-10 - to take place at 11:45 a.m. This will be followed at 12:30 by an air show of the Vulcan bomber: the Vulcan will be flown by members of the Royal Air Force Number 35 Squadron.

A parachute-jumping demonstration by the U.S. Army Golden Knights is scheduled for 1 p.m. This group has made more than 175,000 jumps, and has been seen by more than 100 million people throughout the

The final air show event will be the performance of the Thunderbirds at 2 p.m. Spectators are asked to bring chairs or lankets to sit on since there will be no grandstand. Mojave radio station KDOL, at 1340 on the dial, will carry traffic ants on that day

Kennel Club to sponsor rabies, distemper clinics

The Ridgecrest Kennel Club will sponsor a discount distemper and rabies clinic for dogs and cats on Monday, Tuesday, and Thursday from 6:30 to 8:30 p.m. at the Casa K-9 Kennels, 1234 W. Ridgecrest Blvd., Ridgecrest.

Distemper shots will be priced at \$5 for both dogs and cats; these are needed annually by both animals. Rabies shots, also needed by both animals every two years, will be priced at \$3 each.

Death Valley Days fete

The 29th annual Death Valley Encampment will be held Thursday through Sunday, Nov. 9-12, at the National

Persons interested in attending this yearly event may obtain more information at the Community Center.



SUNSHINE HOUSE OFFICIALS PLEASED - Perfect weather and a good-sized crowd combined to make for a successful Renaissance Arts Festival last Saturday at Cerro Coso Community College. Activities galore, which ranged from dancing, tumbling, Shakespearian acting and singing, were included among the entertainment that was provided, and there was a colorful array of fine arts and craft work which was offered for sale. An auction, one of the new features of this year's Renaissance Arts Festival, proved highly popular, thanks to the efforts of Bob Preul, the volunteer auctioneer. All proceeds from the auction, the sale of refreshments, and a percentage of the arts and crafts sales donated by the artists, will be used to meet the needs of handicapped residents of the Indian Wells Valley who are Sunshine House clients.



FRIDAY hen a giant meteorite crashes on the earth crawl out of the strange-looking These spiders grow in size and mber enough to attack and terrorize a own. Meteorologists Barbara Hale and Steve Brodie destroy the spiders by having them ed with neutrons. (Horror-drama ATURDAY

"Sundance Cassidy and Butch the Kid" (89 1.) John Wade and his brother, whom he is not seen in many years, are forced to live itance. When one of them loses his little anch following a gun fight, they try to recoup the loss first by winning money at poker, but finally they turn into outlaws. Nestern, rated PG)

AONDAY "The End" (107 min.) Burt Reynolds is told that he's dying of a blood disease. The self-centered **Reynolds** seeks comfort from, among others, ex-wife Joanne Woodward. An rdose of sleeping pills puts Reynolds into e mental hospital where he meets Dom Deluise. Deluise attempts to help his newund friend commit suicide. (Comedy, rate

WEDNESDAY

"The Chosen" (108 min.) Kirk Douglas' on, Simon Ward, accidentally kills his ther while protecting Douglas, who has en the target for assassination because I eads a project to build nuclear power plants Anthony Quayle uses a computer to learn that Ward was an inhuman child. Douglas then attempts to kill Ward, who plans to ama, rated R)

am subject to change with ice. For further inform WC ext. 3097 or ext. 2411



A special porterhouse steak dinner for \$5.50 per person is the dinner special at the Commissioned Officers' Mess this Saturday evening. The COM will now be open each Saturday from 6 to 9 p.m. for both dinner and bar service.

Next Thursday, Nov. 16, the "Country Associates," a local musical group will play for the listening and dancing pleasure of COM members and guests during the COM's monthly membership night fete.

A dinner featuring a main entree of steamboat round of beef will be served from 7 to 9 p.m., and there will be music by the "Country Associates" from 8 until midnight.

The cost of both dinner and dancing will be \$3 per person.

CPO Club

A country rock group, "Super Sideman," will play for the dancing and listening pleasure of patrons at the Chief Petty Officers' Club on Saturday evening from 9 to 1. The CPO Club will be closed tomorrow because of the holiday.

~	U.S.	Government	Printing	Offi
		-No 2		

From: PLACE STAMP HERE

November 9, 1978

nwc rocketeer China Lake California

November 9, 1978

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Work on vertical seeking ejection seat basis for **Technical Director Award**

began with the presentation of the Naval-Weapons Center's Technical Director Award for outstanding technical accomplishment to Bill Stone and Ronald Stoutmever.

The two men were recognized by Bob Hillyer, NWC Technical Director, for their contributions to the Vertical Seeking Ejection Seat Program. In addition to a letter of commendation,

both men also received an engraved paperweight and a \$200 stipend which accompanies this special form of a Superior Achievement Award.

Stone, an employee in the Systems Technology Branch of the Ordnance Systems Department, is the project engineer on the Vertical Seeking Ejection Seat Program, while Stoutmeyer, who is employed in the Signal and Process Control Branch of the Weapons Department, is the autopilot project engineer.

Hillyer congratulated the two men for successfully directing the autopilot and

OUTSTANDING EFFORT RECOGNIZED - The Naval Weapons Center's Technical Director Award was presented Monday by R. M. Hillyer (at right) to Bill Stone and Ronald Stoutmeyer (at left) in recognition of their contributions to the Vertical Seeking Ejection Seat Program. - Photo by Ron Allen

Limitations set on hiring of fulltime Federal employees

President Jimmy Carter has imposed an indefinite limitation on the hiring of full time permanent direct hire Federal civilian workers as of Oct. 25, 1978.

For every two full time permanent direct hire positions (including foreign national direct hires) which become vacant after Oct. 24, government departments and agencies are authorized to hire one full time

permanent employee. The hiring limitation will not be circumvented by hiring personnel on a part time or temporary basis to fill full time permanent positions, or by converting civilian positions to military, or contracting with firms, institutions or agencies outside the Department of Defense.

Firm commitments to hire that were made in writing and signed by civilian personnel officers prior to Oct. 24, 1978, and accepted by offerees prior to that date will be honored and will be exempt from the freeze

Federal departments and agencies cannot count 50 percent of other vacancies existing on Oct. 24 to determine hiring authority. Other vacancies that existed on Oct. 24 can be filled only by using new vacancy hiring authority from among the 50 percent of vacancies occuring after Oct. 24.

This limitation does not apply to positions in the Executive Schedule, nor to personnel added to Department of the Navy rolls as a result of an inter-service or inter-agency transfer of function. A vacancy filled by hiring from within the Department of the Navy will also be exempt. However, the resulting vacancy created at the organization which loses a billet will be subject to the 50 percent limitation unless it too is filled by hiring from within the Department of the Navy.

Displaced employees registered in the Department of Defense priority placement program who have been separated will be provided maximum placement assistance, but their employment is chargeable within the one-in-two limitation.

Anniversaries of NWC, City of **Ridgecrest noted in proclamation**

WHEREAS this month of November 1978 notes the thirty-fifth anniversary of the founding of the Naval Ordnance Test Station, now the Naval Weapons Center; and

WHEREAS this month of November 1978 also notes the fifteenth anniversary of the incorporation of the City of Ridgecrest; and

WHEREAS the two entities have grown and flourished mutually to the enhancement of the County of Kern, the State of California, and the Nation: and

WHEREAS the month of November traditionally is a time of Thanksgiving

NOW, THEREFORE, we proclaim this month of November be observed as a time of Thanksgiving for the cooperation and coordination, past, present, and future, between the Naval Weapons Center and the City of Ridgecrest.

> W. L. Harris, RAdm., USN Commander, NWC Vern Smith, Vice-Mayor **City of Ridgecrest**



SYMBOLIC OF COOPERATION - Vern Smith, Vice Mayor of the City of Ridgecrest (1.), and Rear Admiral William L. Harris, NWC Commander, this week jointly signed a proclamation of Thanksgiving for the cooperation and coordination between the City and the Center. Occasion for the proclamation was the 35th anniversary of the founding of the Center and the 15th anniversary of the incorporation of the City of Ridgecrest. - Photo by Ron Allen

The Commander's meeting held last week control system development, including system simulations and applications of microprocessor electronics technology to

> their work. "This ejection seat will have a major impact on future escape systems and will be a factor in preventing aircrew fatalities," Hillyer noted in his letters of commendat to Stone and Stoutmeyer.

The escape system was designed and developed here for incorporation in the Maximum Performance Escape System (MPES) Program - a Naval Air Systems Command project conducted by the Naval Air Development Center (NADC) at Warminster, Pa.

Locally, the Vertical Seeking Ejection Seat Program involved the demonstration of a vertical seeking sub-subsystem for the MPES during a series of three tests that were carried out at NWC's Supersonic Naval Ordnance Research Track (SNORT).

Major Milestone

The last of the three tests (this past summer) was recognized by experts in this field as being a major milestone in the system development - demonstrating as it did a dramatic increase in the safe recovery envelope for aircrew ejections.

In the final test, the Vertical Seeking Ejection Seat and an anthropomorphic dummy were ejected from an upside down aircraft cockpit suspended 100 ft. above the ground.

After traveling straight down less than 45 ft., the seat reversed direction and began climbing skyward. At burn-out, the seat had reached an altitude of slightly more than 100 ft, and continued on to about 150 ft, above the ground where a parachute opened (Continued on Page 3)



COMBINED FEDERAL CAMPAIGN Percentage of Participation as of Wednesday, Nov. 8, 1978 Total amount: \$117,432.							
Code	00	03	06	08	09	12	21
Pct.	94	100	64	48	66	100	84
Code	23	24	25	26	31	32	33
Pct.	49	43	84	31	39	22	74
Code	35	36	38	39	61	62	93
Pct.	43	54	86	43	57	26	100
Code	94	95	96	97	VX-5	PO	BLM
Pct.	47	85	94	60	58	1212	201

Page Two



Vets Day proclamation issued

By the President of the United States of America: A Proclamation Among the great days of national remembrance, none is more deeply moving to Americans than Veterans Day. On this occasion, our nation traditionally joins together to salute those valiant individuals who have served in the Armed Forces.

This is a very special day. It symbolizes the debt of gratitude we owe our veterans. It reminds us that the freedom we enjoy has endured intact because millions of patriotic men and women answered their country's call to service and sacrifice.

Our veterans have not sought glory for themselves but peace and freedom for us all. They represent the spirit that has preserved us as a great nation. They deserve our recognition for all they have done.

NOW, THEREFORE, I, Jimmy Carter, President of the United States of America, invite all Americans to observe Saturday 11 November 1978, as Veterans Day and on this historic occasion, let us resolve anew to keep faith with those whose love of country has set them in an imperishable roll of honor.

I urge all the families and friends of our sick and disabled veterans to visit them and to extend to them a grateful nation's promise that they will not be forgotten.

I call upon federal, state, and local government officials to mark Veterans Day by displaying the flag of the United States, and by encouraging and supporting public involvement in appropriate ceremonies throughout the country.

IN WITNESS WHEREOF, I have hereunto set my hand this eleventh day of September, in the year of our Lord, nineteen hundred and seventyeight, and of the Independence of the United States of America, the two hundred and third.

/s/ JIMMY CARTER

Special holiday hours to be observed by business, recreation facilities on Center

Some unusual changes in the hours of operation at business and recreation facilities on the Naval Weapons Center will result from the nationwide federal holiday on Friday in observance of Veterans Day (formerly Armistice Day), which has been returned to its original date of Nov. 11 on trap range will all be closed tomorrow. this, the 60th anniversary of the end of World War I.

The Navy Exchange will be open p.m., and on Saturday from 10 a.m. until 2 in from 7:30 a.m. until 4 p.m. the afternoon. The Service Station, 2:30 p.m.

The Barber Shop will be closed all will be closed on Sunday.

The Center Library will be closed on Friday, but will maintain its usual Saturday hours of noon to 6 p.m.

The camping issue unit, ceramics shop, main hobby shop, indoor pool, and skeet and

Other facilities open on Friday are the auto hobby shop, from 11 a.m. until 10 p.m.; Hall Memorial Lanes for bowling from 11 tomorrow (Friday) from 10 a.m. until 5:30 a.m. until 11 p.m.; and the golf course The Center gym will follow its usual

however, will be closed tomorrow and then holiday hours of 11 a.m. until 7 p.m., and the will reopen Saturday from 8:30 a.m. until Youth Center will be open from 1 p.m. until 5 p.m.

The Commissary Store will be open both All Special Services activities will resume days. Friday hours will be 10 a.m. until 5:30, normal weekend hours on Saturday and and Saturday hours, 8:30 a.m. until 4 p.m. Sunday except the auto hobby shop, which



Rocketeer is authorized for public release by the

3354,3355,2347

Office of the Commander, Code 003.

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 Navai Waapons Center may contact the Employment-Wage and Classification Division, Code 092. Ext, 2669, 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 Premotion 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 most recent previous supervisor of those applicants rated as basically qualified. The Naval Weepons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all G5 positions are defined in .C5C Handbook X-118, while those for all WG, WL and WS positions are defined in C5C Handbook X-118C.

Computer Programmer, G5-334-9/11/12, PD Ne. 78620106, Cade 6224 — This position is located in the Data Reduction Branch, Range Operations Division, Range Department. The incumbent will be responsible for the analysis, design, development, and implementation of state of the art digital computer software. The incumbent will be expected to maintain a portion of the Branch soft-ware and be responsive to unpredictable demands for software modification on crash time scales. Job Relevant Criteria: Ability to communicate effectively verbally and in writing; ability to design and implement large complex computer software system; ability to assess and evaluate software data as well as test instrumentation and data processing equipment. Supervisory Personnel Staffing and Classification

processing equipment. Supervisory Personnel Staffing and Classification Specialist, GS-201-12/13, PD No. 7455032, Code 092 — Applications will be accepted from both NWC employees and status eligibles. This position is that of Head, Em-ployment / Wage and Classification Division, Personnel Department and Principal Classifier for the Naval apons Center. Incumbent is responsible for developing participating in the administration of programs in the as of recruitment, placement, merit promotion, reduction-in-force, pay setting, job grading and position classification. If filled at the GS-12 level, promotion to GS 13 is dependent on demonstrated performance in the position. Job Relevant Criteria: Ability to provide em-ployment program leadership: knowledge of classification ployment program leadership; knowledge of classification cumbent must be a proficient typist, particularly fa and job grading; ability to effectively supervise and train with the Magnetic Card / Selectric Typewriter. Incu

work involves operating a variety of receiving equipment to observe, measure, analyze and record the signals received to prevent or eliminate radio frequency in-terference (RFI) of range operations. Job Relevant Criteria: Practical field experience in basic electronics Previous applicants need not reapply.

Electronics Technician, G5-856-7/8/9, PD No. 7742011N, Code 42213 — This position is located in the Radar Section, Air Operations Branch, Range Depart-ment. The incumbent is responsible for the development, modification, evaluation, calibration, operation and maintenance of complex radar systems such as trajectory or velocity measurement instrumentation equipment (i.e. AN / MSG-3A, MPS-26, M-33, CAPRI and modified NIKE Hercules radars). Job Relevant Criteria: Knowledge of mono pulse radar systems, theory and hardware; ability to apply basic and advanced electronics design and development principles; ability to perform corrective measures under tense conditions of testing and evaluating situations. Previous applicants need not reapply.

Engineering Technican, GS-802-47, PD No. 7882107, Code 42122, (2 vacancies) — Potential to GS-9, This position is located in the Environmental Test Section of the Environmental Engineering and Evaluation Branch, Ordnance Test and Evaluation Division of the Range Denortment. The interview Department. The incumbent conducts non-routine en-vironmental and safety tests of all classes of weapons, which involves the following duties: setting up the test, performing system calibration, operating test equipment nd recording devices. Job Relevant Criteria: Experience In environmental testing involving the handling and testing of experimental and operational ordnance; familiarity with the construction and operation of various ordnance such as bombs, rockets, missiles, pyrotechnic devices; ability to perform under tense conditions of

testing situations. File applications for the above with Jan Nieberlein, Bidg. 34, Rm. 204, Ph. 2577.

Bidg. 34, Rm. 204, Ph. 2577. Quality Inspection Specialist, GS-1960-11, PD No. 7736008-2E, Code 3443 — Position is located in the Quality Control Branch, Engineering Prototype Division, Engineering Department. The Incumbent verifies dimensional and physical characteristics of mechanical and electronic hardware to established requirements. This includes receiving inspection from vendors and con-tractors, configuration audits at NWC or at contractor's facility, verification of manufacturing and assembly processes, and finished part inspection and test. Job Relevant Criteria: Knowledge of complex manufacturing processes and techniques; skill in quality control, production control, or inspection; knowledge of cuilitäry and Federal Standards specifications; knowledge of complete de lancette period

Branch, Engineering Prototype Division, Engineering Department. Incumbent performs product verification on a wide variety of mechanical components and assemblies to determine compliance of the physical characteristics to the astabilized remultances. Source of the ordered as Center shops, contractors, vendors, and other government facilities. Users of the product are Center projects, con-tractors, and other government installations. Job Relevant Criteria: Ability to do Inspector (Machined Parts) work without more than normal supervision; operation of machine tools, technical practices (theoretical, precise, artistic); ability to use shop drawings, measurement and layout; and knowledge of materials. Supplemental qualification statement is required and must be picked up in the Personnel Bidg. Rm. 204.

Welder, WG-3703-10, JD No. 629N. Code 36471 - Position is located in the Mechanical Prototype Branch, Engineering Prototype Division, Engineering Depart-ment, Incumbent uses electric arc and gas welding equipment for welding, and gas equipment for brazing and soldering both ferrous and non-terrous alloys. Weldments consist of ordnance items (missiles and ground support

Computer Programmer, GS-334-9/11/12, PD No. equipment), aircraft, ground transport, stationary and

November 9, 1978

Incumbent serves as branch receptionist screening visitors and incoming telephone calls. Incumbent initiate followup action correspondence, routing and determining followup action correspondence, routing and determi when such correspondence will be answered, and ins that actions are completed on schedule. Prepares and edits correspondence and reports submitted by personnel in the branch. Performs timekeeping duties for branch. Procures supplies, equipment, repair, and maintenance Procures supplies, equipment, repair, and maintenance services, etc., through appropriate channels. Preparet and job grading; ability to effectively supervise and train a subordinate staff; ability to analyze complex problems and develop practical solutions; ability to communicate effectively, orally and in writing. Communications Equipment Operator, GS-391-4 / S, PD No. 784224, Code 4201 — This position is located in the Frequency Management Office, Range Department. The incumbent is responsible for supporting range operations. Sup providing frequency surveillance of the radio spectrum used during scheduled range operations. The surveillance office in certain and grammatical usage for each document prepared. Incumbent must be knowledgeable of regulation / procedures concerning timekeeping. The applications for the above with Janet Thomas. Bidg. 34, Rm. 24, Ph. 2925. Electronics Technician, GS-854-5 / 6 / 7, PD Nos.

Division, Electronic Warfare Department, with a duty dommunications; knowledge of the spectrum of radio quencies and its application; reliability and depen-bility; ability to meet deadlines under pressure. system(s) of a one-of-a-kind threat radar system that is used in the test/evaluation of electronic warfare and associated optical / electro-optical devices and tactics. An incumbent receives extensive training in radar operatio test equipment and radar circuitry, both formal and on the job, to enhance his / her knowledge of electronics. Job Relevant Criteria: Knowledge of basic electronic theory working knowledge of circuitry used in radar subsystem experience using basic test equipment, multimeters, oscilloscopes, power meters, frequenc meters; ability to take direction, to work in stressful tes e sufficiently dependable to meet te cooperate with peers. Promotion potential: GS-10. Status eligibles accepted.

Electronics Engineer, GS-855-11/12, PD No. 7853130E Code 3543 - This position is located in the Coun (Contined on Page 7)

DIVINE SERVICES PROTESTANT

Sunday Worship Service Sunday School-All Ages 0900 Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. union Service first Sunday of the Month Com

ECUMENICAL

Wednesday Noon Bible Study Thursday Men's Prayer Breakfast

0630

ROMAN CATHOLIC

MASS Saturday 1700 fulfills Sunday obligation 0830-1130 Nursery, Chapel Annex 1 0815 1245 Chapel

CONFESSIONS Daily 1115 to 1130 Saturday 1615 to 1645 RELIGIOUS EDUCATION CLASSES First thru 6th grades Pre-school & kindergarten Sunday 1115 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 EASTWING-ALL FAITH CHAPEL Sabbath Services every Friday UNITARIANS 1930

CHAPEL ANNEX 95 1930 Services-(Sept. May)



NWC Commander R. M. Hill **Technical Director**

Dr. Robert H. Pearson

Technical Information Department Don R. Yockey Editor Mickey Strang

> Associate Editor (Acting) Ron Allen

Staff Photographer

capabilities of inspection equipment; ability to com-municate in both oral and written form.

Machined Parts inspector, WG-314-11, JD No. 616N. Code 3443 — Position is located in the Quality Control rces of the product are

November 9, 1978

ROCKETEER

Page Seven

MDISL flag football tourney won by team from Norton AFB

Championship of the Mojave Desert Inter- from Price to Robert Ross, halfback for Service League flag football tournament, played here last Saturday and Sunday, was won by the team from Norton Air Force Base in San Bernardino.

In this six team event, the squad from Norton AFB lost its first tourney tilt, 7-0, to Nellis AFB, but went on from there to post five straight victories, including a 13-7 victory over Nellis AFB in the second rematch between these two teams which decided the tournament title.

Scores of the games won by the tourney champs prior to the title tilt, in the order that the games were played, were: Norton 12, NWC 8; Norton 25, Barstow Marines 6; Norton 13, March AFB 6; and Norton 12, Nellis AFB. 7.

Close scoring games were one of the trademarks of this tournament. The NWC team, led by quarterback Andy Price, was

NWC, produced a touchdown which, coupled with a 2-pt. conversion after the score, gave the China Lakers an 8-6 halftime lead over Norton.

The Norton team still had enough of an edge, however, to score one more time and pull out a 12-8 win over NWC in the second half of this game.

Even though the team from Nellis AFB was able to post a 7-0 first round win over Norton AFB in the tourney opener, the team from Las Vegas had a struggle on its hands in each of the remaining games it played in the winners' bracket.

The Nellis squad edged the Barstow Marines 6-0, was held to a 0-0 tie in regulation time by March AFB, and then lost its first rematch with Norton AFB, 12-7. This set up the title-deciding second rematch that was won, 13-7 by Norton.

The flag football tie-breaker rule was envoked in the scoreless contest between Nellis and March AFB. It called for each team to alternate on offense for four plays, with the winner by a score of 1-0 being determined by which team had been able to advance the ball deepest into its opponents' territory.

Burros lose close game to West High . . .

(Continued from Page 6) fell incomplete in the end zone. Burros fans raised a howl on this play when the pass defender got his feet tangled up with the would-be receiver, who fell to the ground before he could reach the ball.

No penalty was called, however, and on fourth down Drake was stopped 2 yds. short of scoring a go-ahead touchdown.

The ruckus that resulted when the ball changed hands led to a 15-yd. penalty against Burroughs, which got the Vikings out of a hole on their own 2-yd. line, and the

Youth Center basketball

league registration open

Registration for Youth Center basketball will continue for the remainder of the month gym, located on Richmond Road).

Plans call for the formation of five leagues composed of youngsters from 7 years of age up through the seniors in high school.

To be eligible to participate, all prospective basketball league players must be members of the Youth Center and pay an additional registration fee of \$8.50 to help cover expenses of the 1978-79 basketball

visitors gained 10 vds, out to the 27 on a run by Herald. Three plays later, however, Roger Pack came up with a pass in terception and the Burros had the ball back on their own 45.

The hopes of Burroughs High fans, who were momentarily elated by another turnover which gave their team the ball, dropped again a few plays later when it was the Vikings' turn to come up with a pass interception (their third of the game) which gave them the ball on their own 28 yd line.

With time running out in the fourth quarter. Gritton broke through to block a fourth down punt by West, and the Burros offense had just a little less than 2 min. to

Two plays later, however, a pass from league competition began on Nov. 1, and Drake to Tomaras ended in a fumble recovery by the Vikings on their own 42, and at the Youth Center (formerly the youth the visitors were able to run out the clock and settle for a hard-fought 12-7 victory.



Take care when you're driving, don' take off like a rocket

Cause accidents cost money and take dollars out of pockets.

Promotional Opportunities

(Continued from Page 2)

termeasures Branch, Microwave Development Division, Electronic Warfare Department, The incumbent performs detailed and specialized engineering analysis, design and development of radar systems and components. He develops radar countermeasures techniques and circuits which are evaluated both analytically and by actual field tests against actual radars. Job Relevant Criteria: Detailed bewiedene at carder systems enalistic (inclutions Detailed knowledge of radar systems analysis (including statistics and time frequency analysis). Previous exerience with radar systems development and testing.

Operations Research Analyst GS-1515-7 / 9 / 11 / 12, PD No. 7512012, Code 12 — This position is located in the Weapons Planning Group. The incumbent will be assigned to one of the Program areas and will be involved in analysis studies covering a wide range of subjects. Typical duties involve analyzing performance of existing and proposed designs of weapons and components of weapons; investigating weapon requirements; reporting results both in writing and oral presentations. Job Relevant Criteria: Familiarity with (1) the operation and utilization of large scale computers (2) procedures for obtaining unprocessed information (3) military operations and tactics. This position could be filled from any of the engineering or scientific disciplines which provide a significant preparation in mathematics. (2 vacancies).

Electronic Engineer, GS-855-12, PD No. 7835129E, Code 3543 — This position is located in the Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs all necessary background investigations and theoretical analysis to determine feasibility for developing new airborne and missileborne radar system and subsystem design concepts in the areas of radar navigation, target location, acquisition and tracking. Job Relevant Criteria: Extensive skills involving detailed radar analysis as applied to target detection for missile or alroorne radars; knowledge of missile or airborne radar hardware, skills (through experience or post-graduate level education) in the areas of electromagnetic and microwave theory, advanced mathematical techniques, principles of high ution radar, radar clutter and multipath modeling. resolution radar, radar cutter and multipain moderning. MTI and pulse doppler radar, and radar detection theory. Electronics Technician, GS-854-8/9/10, PD Nos. 7835040N / 7835041N / 7835036N, Code 3553 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Threat Radar Evaluation / Development Branch, CountermeasUres Evaluation / Development Branch, Countermeasures Division, Electronic Warfare Department, with duty station in the Randsburg Wash Test areas. Duties are operating, aligning, calibrating and repairing one-of-a-kind threat radar systems that are used in the test / evaluation of electronic warfare and associated optical / electro-optical devices and tactics. An incumbent kind threat reaction of electronic warrare and the stabilish and maintain compatible electronic. In-must establish and maintain compatible electronic. In-terfaces on assigned radar subsystems, and asist in providing technical expertise to engineers responsible for modification of the threat radar systems to which assigned. Job Relevant Criteria: Knowledge of radar subsystems design, troubleshooting experience with rader subsystems design, troubleshooting experience with rader trequency treated to the publications of the publications provide the stability to interpret instructions specifications, struments; ability to interpret instructions specifications, trader 231, promotion potential to GS-9 — This position is located in the Administrative Office of the Publications Division. Technical Information Department, incumbent receives incoming production jobs and introduces them receives incoming production jobs and introduces them assigned. Job Reterant Provbleshooting experience with radar subsystems / systems ; experience using test equipment to include RF sweepers, spectrum analyzers, frequency synthesizers, IC analyzers, pedestal servo system analyzers; ability to work well with others in pressure

situations. Demonstrated ability as a radar operator. Promotion potential: GS-10. Status eligibles accepted. Program Analyst, GS-345-5, PD No. 7835140N, Code 3551

Simulation (EWTES) Facility in order to project or forecast requirements and usage of the facility. Job Relevant Criteria: Ability to communicate effectively, both orally and in writing; ability to organize, manipulate and analyze quantitative data; ability to work in-dependently; ability to work effectively with others.

systems to NWC developers and off-Center groups such as devises reco systems through theoretical and applied analysis of Navy, and NWC regulations. Recommends and advises or systems through theoretical and applied analysis of missile, gun and radar characteristics that will result in a set of performance specifications to be incorporated into digital or analog simulations. Job Relevant Criteria: Knowledge of digital computing; some knowledge of weapon control systems; experience in design/ development of weapons systems; ability to communicate effectively, both orally and in writing. File applications for the above with Tina Rockdale, Bidg. 34, Rm. 204, Ph. 2076. Secretary (Typing), 05-318-5, PD No. 7825033N. Code 259

Bidg. 34, Rm. 206, Ph. 2676, Secretary (Typing), GS-318-5, PD No. 7825033N, Code 259 — This position is located in the Material Division of the Supply Department. Duties include office management, procurement of supplies and maintenance of division events. A Defined Calabelle, A billion, to plans and the Defined Calabelle. records. Job Relevant Criteria: Ability to plan and organize work and establish priorities; ability to deal tactfully and effectively with Center personnel and others; ability to gather, assemble and verify information; knowledge of proper English usage, spelling, grammar

and punctuation. Lead Purchasing Agent, GS-1105-7 / 8, PD No. 7625015N, Code 2522 — This position is located in the Purchase Branch, Contracts Division, Supply Department. The incumbent serves as a section leader, assigns and reviews work related to small purchase procedures and trains new employees. Job Relevant Criteria: Ability to lead; ability to deal effectively with others; ability to work under pressure; knowledge of small purchase procedures. File applications for the above with Ginger Hamaty,

File applications for the above with Ginger Hamaty, Bidg. 34, Rm. 212, Ph. 2371. Explosives Test Operator, WG-4517-10, JD No. 430, Code 3881 — Incumbent assists senior personnel in performing laboratory scale experiments in combustion instability research programs. He is responsible for: Propellant sample preparation including "potting" in sample holders, installation of pulsers when required, igniters and surface preparation with special inplier paste: T-burner surface preparation with special igniter paste; T-burner assembly using proper parts for frequencies desired and loading and inhibiting of propellant in the burner; setup of the experimental apparatus in a "ready" state including calibration of the transducers, filter settings, oscillographs and oscilloscopes; actual firing of the T-burner; and collection and preliminary analysis of the recorded and observed data. The incumbent is responsible for modification of burners to accomplish the requirements of propellant combustion studies. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly and installation involved in thermal

into the processing sequence at the proper place; coor-dinates their movement from step to step and releases the completed job.to customer; ensures that every official publication complies with all pertinent regulations relating to publishing and security; acts as consultant on This position is located in the Countermeasures Division, Electronics Warfare Department, with a duty station in the Randsburg Wash Test Area. The incumbent is responsible for collecting and analyzing data associated with utilization, cost analysis, projects and requirements of the Electronics Warfare Threat Environment Simulation (EWTES) Facility in order to project or forecast requirements and usage of the facility. Job

Promotion potential GS-9. Interdisciplinary, GS-85: 861 / 1310 / 1520-11 / 12, PD No. 7835151 & 7835127, Code 3513 — This position is located in the Simulation of department contracts. Assures that administration of department contracts. Assures that and that work assignments are sufficiently detailed to meet established criteria. Maintains accounting and scheduling program to monitor the life cycle of all task provides in-depth analysis and information on threat orders. Assists in evaluating contractor performance and

indations to improve same. Establ the Naval Intelligence Center in Washington, D.C. The incumbent will design or assist in the design of com-ponents and subsystems of surface-to-air weapons

scientific staff in the preparation of samples of combustion residue and ingredients. In the laser ignition program, the incumbent is responsible for performing to/no-go and other ignition experiments using the NWC Laser ignition facility. In the closed bomb program the incumbent may help gather pressure-time data using a high loading density closed combustion bomb. The incumbent prepare samples of propellant residues for analysis. The in cumbent assists senior investigators in the analysis of combustion residues and in determining the thermal decomposition properties of propellant components. Job Relevant Criteria: Experience in laboratory procedures;

Relevant Criteria: Experience in laboratory procedures? familiar with sample preparation and the use of a microscope. Promotion potential: GS-11. File applications for the above with Pat Gaunt Bidg. 34, Rm. 212, Ph. 2514. Clerk-Typist, GS-322-3 or Medical Records Clerk (Typing), GS-675-4, PD No. 7894004N, Code 943 — This position is located in the Occupational Health Service of the Naval Besideal Medical Contex Branch Cline; at China the Naval Regional Medical Center Branch Clinic at China Lake. Incumbent maintains approximately 4,600 records of Civil Service and non-appropriated personnel, establishes medical records for new employees, maintains a civil service appointment system for routine doctor's visits, physical exams, physical therapy, prepares written requests for medical records from various providers of care (military and civilian) and insures that proper release authorization is obtained and forwarded; organizes office work and determines the priorities for completion of work, prepares and types limited duty slips. X-ray and lab chits. Job Relevent Criteria: for Clerk. Typist — ability to compose and type simple letters, working knowledge of dictating machine, ability to comprehend and apply a variety of regulatory and procedural information. Medical Records Clerk — ability to understand and decipher medical terms, ability h compose and type simple letters, working knowledge o dictating machine, and knowledge of medical records. This is a readvertisement. Previous applicants will be considered and need not reapply.

Mail / File Clerk, G5-305-3, PD No. 7839119, Code 39023 -This position is located in the Weapons Department Office. The incumbent provides services for the entire depart-ment in the areas of mail control (including mail, files, records and reproduction); serves as the focal point for the department's records. Job Relevant Criteria Knowledge of the Center's organization; ability to work with a minimum of supervision; ability to deal tactfully with people; ability to organize files.

File applications for the above with Leah Reusche, Bldg. 34, Rm. 206, Ph. 2723.

Administrative Assistant, 65341-7, PD No.7832089, Code 3267, — promotion potential to GS-9. This position is located in the Terrain Denial Weapons Branch. Conventional Weapons Division Ordnance Systems Depart-ment. Incumbent is responsible for the preparation and maintenance of expenditure plans and NWC budget and financial reports to sponsors concerning Branch projects Plans are continuously updated as necessary to reflect the latest project status and are coordinated with project personnel and other groups. and closing job orders, clearing purchase requests Coordinates project schedule data with other government activities and support contractors to insure that overal aster schedules are escalished and main Knowledge of NW financial accounting systems and terminology; ability to construct work-flow and schedule charts; ability to work independently; ability to work effectively with others in a coordinative capacity. File applications for the above with Mary Morrison,

Bidg. 34, Rm. 210, Ph. 2393.

Tiedemann, coach of the Norton Air one of the individual trophies that each member of the winning team received.

defeated 14-6 in its first tourney appearance by March AFB, and was later eliminated from competition by a 12-8 defeat at the hands of the Norton - the eventual tourney champs

scoreless tie at the end of the first half, but the visitors from Riverside then scored once and added 2 points on a run for the PAT to take an 8-0 lead. This was reduced to 8-6 when Price countered with a TD for the China Lakers on a 10-yd. sweep around left

clinched the victory with another touchdown that made the final score 14.6.

result of this first round defeat, the NWC team came out on the short end of a 12-8 score against Norton AFB. A 38-yd. pass

Admiral's Cup . . .

(Continued from Page 6)

tallied on a run which picked up the final 15 yds. to the goal line. The score remained the same, 20-6, in

favor of NWC North until the final minute of play when Price, who was back in at quarterback for NWC North, scored on a 15yd. run to make the final count 26-6 in favor of the North.

Current standings in the Admiral's Cup athletic competition are 18 points for NWC North, 12 for VX-5, and NWC South is trailing with 6.



TROPHY PRESENTED - The per petual trophy for winning the MDISL flag football tourney was presented by Bob Huey (at right), head of the **Recreation Branch in the NWC Special** Services Division, to Herbert Force Base team. The latter is holding

The NWC vs. March AFB game was a

Later in the game, the March AFB squad

Dropped into the losers' bracket as a

Page Six

Rec. roundup

nwc rocketeer

Team rosters

for basketball

due at gym today

Rosters for all teams planning to compete

in the China Lake Intramural Basketball

League are due at the NWC gymnasium

All basketball season fees must be paid no

later than Monday. In addition to the \$6

charge for an athletic activity card, there

will be the costs of paying game officials

Turn in Football Equipment

participating in the recently concluded

China Lake Intramural Flag Football

League are asked to return their football

equipment as soon as possible - and no

later than the deadline of Friday, Nov. 17.

Roofing Work at Gym

begin on Monday. While some windows and

doors will have to be closed because of the

work, it will not prevent the use of the gym

and its facilities by holders of Athletic

Association membership cards or by active

duty military personnel for whom no fees

Blue Chip Bowling

Blue Chip bowling is scheduled every

Saturday night, starting at 8 o'clock, at Hall

Memorial Lanes. Individuals wishing to

compete can make reservations by calling

NWC ext. 3471. All bowlers are invited to

72 runners compete

The largest field ever - 72 runners -

competed last Saturday in the Over-

the-Hill Track Club's fourth annual 10 km.

run, which was won by Marshall Matve, of

the Culver City Athletic Club, in the fast

Matye, who competed in the division for

men 30 to 39 years of age, finished just

ahead of Marvin Rowley, the previous

record holder for this event, who was

Two well-known local runners - Frank

Freyne and Tom McMahon - turned in

good times of 35:11 and 35:32, respectively,

while Steve Stubbs made it a clean sweep of

the first five places for men in the 30- to 39-

Two other runners were under the 37 min.

mark for the 10 km. race over a flat course

which wound around through the streets of

the NWC housing area. They were Dennis

Stansauk, winner in the 20- to 29-year-old age

division (36:49), and Norm Nieberlien, who

posted a personal best time by his first

place finish in 36:52 in the division for men

Others who placed first in their divisions

of the race, and their times, were Danny

Rugg, boys 14 vrs. old and under (40:22):

Jim Bailey, young men 15 to 19 (37:51);

Marvin Powers, of Lancaster, men 50 yrs.

Fastest of 12 feminine entrants in the race

yr.-old division by finishing in 36:39.

in Over-Hill Track

Club's 10 km race

time of 33 min., 47 sec.

clocked at 34:39.

40- to 49-yrs. of age.

old and over (38:31).

30 vrs. of age and over (44.29).

Work on reroofing of the NWC gym will

Athletes who were members of teams

office no later than 4 p.m. today.

which also must be met

are charged.

SPORTS

ROCKETEER

Burros edged by West High; ready for Homecoming

Fired up by Homecoming and with a lot of frustration to work out following last Friday night's 12-7 loss to the unbeaten West High Vikings, the Burroughs High School varsity football team will host the Indians from Hart High School tonight in their next-tolast Golden League game of the season.

Kick-off time will be 8 p.m. for the varsity clash, which will be preceded by a sophomore contest between Burroughs and Hart that will get underway at 5.

The previously undefeated Burros sophs will be out to make up for their first loss this fall - a 28-12 defeat at the hands of their counterparts from West High last week. The Vikings from Bakersfield came into

last Friday night's contest as solid favorites, but in a mistake-ridden game left here lucky to still have their win streak (which now stands at 20 games) unbroken.

team's strong point all season long, did its and a first down on the BHS 1-yd line. intercepted a pass.

together a 54 yd. touchdown drive the first Richie Drake of Burroughs. time they got their hands on the ball in the Returning to the field following the

option play which ended with Maples pit- local high school eleven. ching the ball out to Norman Canby, principal ground gainer for the Vikings,



second quarter.



VIKINGS IN HOT PURSUIT - On this play, Mark Urseth (No. 9), flanker for the Burros varsity football team, picked up one of the longest gains of the night as he scampered 26 yards to the West High 19. This drive, for what could have been the winning touchdown by Burroughs, ran out of steam on the Vikings' 2-yd. line, however, and the visitors held on to win, 12-7. West High defensive backs attempting to catch up with Urseth are Randy Maples (No. 35) and Bill Herald (No. - Photo by Bob Mann

NWC North team wins flag football contests; boosts its lead in Admiral's Cup competition

its lead in the Admiral's Cup athletic standings last week by winning the flag football competition.

The NWC North gridders edged VX-5, 13-6, in the first of the three games played, and wrapped things up with a 26-6 victory over NWC South in the third and final game of the series. In between these two tilts, VX-5 outscored NWC South, 13-0.

NWC North quickly took command of the game against VX-5 by receiving the opening kickoff and driving 40 yds. downfield for a touchdown. The scoring play was a 10-yd. pass from quarterback Andy Price to halfback Chuck Pike which gave NWC North a 6-0 lead. The try for the PAT was no

Before the VX-5 team could make the defensive adjustments that were necessary in order to shut down their opponents' attack, NWC North scored again during its second possession of the ball.

The same combination - a pass from Price to Pike - clicked for this score on a play that covered 20 yds. After this tally, the NWC North team cashed in on a pass from Price to Charles Barrows, the left end, to pick up the PAT and a lead of 13-0.

Vampires battled back and were able to put led, 7-0. their only 6 points of the game on the board. Later in the first period of play, Barrows Halfback Kelvin McSwain hit paydirt after cranked up and pitched a 45-yd. pass that meet. Included are a medley race for teams breaking loose on a draw play that gained 25

That turned out to be all of the scoring in cessful try for the PAT on a pass from was Kathy Bailey, winner in the 15- to 19- the game for the VX-5 Vampires, who were yr.-old group (43:54). Other women runners unable to cash in on the PAT try. In the North lead to 14-0 over the South. who won their divisions, and their times, closing minutes of the contest, a penalty were Laura Effinger, girls 14 yrs. of age and stalled a drive by VX-5 that had carried the terception by Mike Hosmer, defensive end

The crucial game of the Admiral's Cup The NWC South gridders averted a shutat 9 a.m. at Cerro Coso Community College. game No. 2.

The NWC North (airfield) team added to In this contest, quarterback Rick Booth of VX-5 piloted the Vampires on a drive that covered 40 yds. and ended with a pass from Booth to McSwain. After catching the ball, the latter sprinted nearly 20 yds. into the end zone to give the Vampires a 6-0 first quarter lead.

> On offense, the NWC South team was held in check throughout the game by VX-5, and was never able to get within 40 yds. of the Vampires' goal line

Although the VX-5 defense had things pretty much its own way, the offense could break through for just one more score. It came in the third period on a pass from Booth to Pat McTurner, split end for VX-5. The play gained 30 yds. and, with the addition of the PAT, gave the Vampires a 13-0 victory over NWC South.

NWC North clinched the Admiral's Cup flag football title by also posting a victory over the NWC South team. The North (airfield) team romped to a 20-0 halftime lead, and then the two teams traded touchdowns in the final two periods of play.

For NWC North, reserve quarterback Chuck Barrows got his team rolling with a 15-yd. touchdown pass to Andy Price in the first quarter. The PAT, also on a pass from Early in the second quarter, the VX-5 Barrows to Price, was good and NWC North

> was caught for a touchdown by Brad Domine, right end for NWC North. A suc-Barrows to Chuck Pike boosted the NWC

Before the first half ended, a pass inunder (65.70); and Suzanne Haney, women Vampires to the NWC North 16 yd. line. for NWC North, set up another touchdown.

The next event planned by the Over-the- flag football series was over, but VX-5 out when a 40-yd. run by Bob Daily moved Thanksgiving morning. The race will begin shutting out NWC South (mainside) 13-0 in and quarterback Sam Thompson then (Continued on Page 7)

Maples then kept the ball himself and Linebackers Mark Gritton and Lance dived in for a touchdown on the next play. Hunter each recovered a fumble by West The try for the PAT was no good, but West

That turned out to be all of the scoring in With that series of miscues out of the way, the first half, which ended with the inhowever, the visitors settled down and put terception of a pass thrown by quarterback

halftime intermission, the Burros kicked off Key plays were a quarterback keeper by and dropped the Viking ball carrier on the Jim Maples, the Vikings signal-caller, who West High 19. The third recovery of a West gained 11 yds. and a 1st down on the BHS 43; High fumble - this time by Blaine Robinson a pitchout to halfback Bill Herald, which - gave BHS the ball on the visitor's 12-yd. moved the ball to the Burros 26; and an line and set the stage for a touchdown by the

Burros Grab Lead

It took just one play - a quarterback keeper by Drake - for the Burros to hit paydirt. Scott Cary booted the PAT and the partisan crowd roared its approval as the Burros took over the lead, 7-6.

Whatever pre-game complacency the Vikings may have felt about retaining their unblemished record by defeating Burroughs suddenly was gone, for the West High team responded with a scoring drive following the ensuing kickoff.

Canby was the workhorse of this push as he caught a pass from Maples for a gain of 15 vds, and a 1st down on the BHS 34 and then broke loose for 18 more yds. on a run to the 16.

Two more cracks at the line netted 6 yds. each for Starkey and Canby, and with the ball on the BHS 4 yd. line, Canby carried it into the end zone in two tries. An attempt to score 2 points on another running play after the touchdown failed, forcing the Vikings to settle for a 12-7 lead.

The Burros offense sputtered into motion on its next possession of the ball - thanks largely to a 30 yd. gain on a pass from Drake to Kevin Kumferman, tight end for BHS. which gave the locals a first down on the West High 32.

Fumbles Exchanged

Two plays later, however, a pitchout went astray and West High recovered the ball on its own 39. The favor was returned when Hunter pounced on a fumble by the Vikings and the locals regained possession on their own 45.

With time rapidly running out in the third quarter, Mark Urseth, flanker for the ros, scampered 26 yds. to the West High 19, and Bob Tomaras kept this drive going by catching a flat pass that produced a 1st down at the 9 yd. line.

Two running plays by Frank Mayer moved the ball to the 4, but a 3rd down pass (Continued on Page 7)

Swim meet will be next event in race for Admiral's Cup

A swimming meet, a new event which replaces water polo in the Admiral's Cup athletic competition, will be held next Thursday, Nov. 16, starting at 8 p.m. at the Center gymnasium swimming pool.

Military men or women interested in entering the swimming meet should contact Roy Tefft (ph. ext. 5496) or Peggy Carpenter (ext. 5488), of NWC North; Pete Whipple or Sam Thompson (ext. 3314), of NWC South; or Rich Booth (ext. 5390) of VX-5.

Eight events are scheduled during the composed of three men and one women who will swim four lengths of the pool using a different stroke - breaststroke, sidestroke backstroke and freestyle - on each lap; and a four-length freestyle relay for teams composed of two men and two women.

In addition, there will be a 2-length freestyle race for men, a 1-length freestyle race for women, individual 1-length sidestroke, backstroke and breaststroke Hill Track Club is a 3-mile turkey trot on salvaged second place in this event by the ball deep into their opponents' territory, races open to both men and women, and an underwater distance swim open to both men and women.

November 9, 1978



TIME-HONORED RITUAL - Col. L. A. Madera (center), head of the USMC Liaison Office at NWC, cut the first slices from the Marine Corps birthday cake during a ceremony that highlighted the annual Marine Corps Ball. Looking on in background is the guest of honor, Maj. Gen. Stephen G. Olmstead, Commanding General of the Marine Corps Base at Camp Pendleton. The cake escorts are Gy / Sgt. R. D. Baldwin (at left) and Gy / Sgt. P. J. Proctor.

Marine Corps 203 years old; birthday ball held at COM

The 203rd anniversary of the founding of the U. S. Marine Corps by a resolution of the the U.S. Marine Corps by a resolution of the celebrated here last Saturday night during the annual Marine Corps Birthday Ball, which was held at the Commissioned Officers' Mess.

Two hundred guests attended this special affair in honor of the "Soldiers of the Sea," and in so doing joined comrades in this nation and around the world who have, since 1921, carried out the directive of General John A. LeJeune, 13th Commandant of the Marine Corps, to observe



OLDEST MARINE SERVED - Col. Madera hands a slice of the Marine Corps birthday cake to Col. Burke West, USMC (Ret.), the oldest former Leatherneck present at the Marine Ball. First slice of the cake went to Maj. Gen. Olmstead (in center).

the Marine Corps birthday in a manner befitting the long and glorious tradition of the Corps.

Guest of honor at the 1978 Marine Corps Ball was Major General Stephen G. Olmstead, Commanding General of the Marine Corps Base at Camp Pendleton, who is a 30year veteran of service in the Marines, and the list of honored guests was headed by Rear Admiral William L. Harris, NWC Commander, and his wife, Jean.

Maj. Gen. Olmstead's varied and challenging career in the Marine Corps began in 1948. He served as a squad leader in the 1st Marine Division during the Korean Conflict, and later (in 1951) was commissioned a second lieutenant after attending Officer Candidate School at Quantico, Va.

He also served as an infantry battalion operations officer and commanding officer of a reconnaissance company while assigned to the 2nd Marine Division.

In addition, he was an instructor at the U.S. Army Intelligence School, Fort Holabird, Md., the Command briefer for the U.S. Military Assistance Command in Vietnam, and was an operations officer on the Joint Strategic Target Planning Staff at Offutt Air Force Base in Nebraska.

Advanced to the rank of brigadier general

Continental Congress on Nov. 10, 1975, was Marine Corps, and Director of the Development Center, Marine Corps Development and Educational Command.

> Maj. Gen. Olmstead assumed his current duties at Camp Pendleton on June 30, 1978. A social hour accompanied by field music played by the 1st Marine Division dance band from Camp Pendleton preceded the time-honored cake-cutting ceremony and reading of the birthday message written in 1921 by General LeJeune.

Birthday Message Read

In this message, which is now 56 years old, General LeJeune recalled that "in every battle and skirmish since the birth of our Corps, Marines have acquitted themselves with distinction - winning new honors on each occasion until the term 'Marine' has come to signify all that is the N.C., in addition to his present assignment highest in military efficiency and soldierly

"So long as the spirit which Marines today received from those preceding us in the Corps . . . continues to flourish, Marines will be found equal to every emergency in the future as they have been in the past," the famous Marine General's prophetic message continued, "and our nation will regard us as worthy successors of the long 'Soldiers of the Sea' since the founding of

the Corps.'

at NOTS.

Following a ritual that is set forth for the annual observance of the Marine Corps birthday, Col. L. A. Madera, head of the USMC Liaison Office at NWC, cut the first slice of birthday cake, which was presented to Maj. Gen. Olmstead. Honored in similar fashion for being the oldest and youngest Marines present were Col. Burke West, USMC (Ret.), and GySgt. Stephen C. Mills.

Col. West, an attorney in Ridgecrest who saw combat as a Marine in both World War II and the Korean War, received the second slice of cake.

The third went to GySgt. Mills, 27, who enlisted in the Marine Corps in October 1968 and saw action during the Vietnam War. His 10 years of military service have included a three year hitch as a drill instructor at the Marine Corps Recruit Depot, Parris Island. with the USMC Liaison Office at NWC.

The ceremony in observance of the Marine Corps birthday was concluded by the playing of "Semper Fidelis" by the band, the withdrawal of a color guard and the cart on which the cake was carried, followed by the escorts who had been participants in the ceremony.

A roast beef dinner was then served and dancing and listening to the music of the 1st line of illustrious men who have served as Marine Division band concluded the evening

Scientists, and Rockets," the latest book is a grand experiment at Inyokern." joint effort of the Naval Weapons Center The introduction to the book is by Rear Admiral John D. Kane, Jr., Director of and the Division of Naval History, with the Center preparing the history and the Naval History. Co-authors are John D. History Division printing and distributing it Gerrard-Gough, the principal writer, and A. through the Government Printing Office. B. Christman, the principal researcher. The book covers two particularly im-Principal editor was Georgia M. Cabe. portant and contrasting periods of the Barbara K. Manley was in charge of history of the Center, then designated the

2nd volume of Naval Weapons

Center history just published

Although unplanned, it is nonetheless

appropriate that the second volume of the

Naval Weapons Center's history, "The

Grand Experiment at Inyokern," came off

the presses of the Government Printing

Office on Nov. 8, precisely 35 years after the

inauguration of the historical event

reported in this volume of the Center's

As with the first volume, "Sailors,

Naval Ordnance Test Station (NOTS).

First, the narrative covers the outstanding

era of cooperative effort during World War

II between the scientists of the California

Institute of Technology and the Navy staff

By a second coincidence of dates, the publication of the book in early November serves as a parting tribute to author Gerrard-Gough who on Nov. 3 transferred from his position here as head of the Special Writing Projects Branch to become Chief of the Reports Branch, Air Force Weapons Laboratory, Kirtland Air Force Base in Albuquerque, N.M.

Next is the story of the difficult post war

years of transition when the Navy took over

the management of the research and

development programs of CalTech. The

enlightened concepts of research and

development management that emerged

plementation of them was appropriately

characterized by Dr. L. T. E. Thompson,

the Center's first Technical Director as "the

were unique in their time, and the im

Upon arrival at the Center, copies of the new book will be made available through local libraries and key offices of the Center. It and the first volume will be on sale through the Superintendent of Documents, Washington, D.C.

TD Award . . .

(Continued from Page 1)

normally, allowing the dummy and the ejection seat to float back to the ground. The inverted cockpit ejection test had been preceded by a wings-level ejection. Both tests demonstrated safe recovery at low-altitude, adverse-attitude conditions that currently result in a high percentage of fatalities in aircraft accidents.

These tests, according to Carl Schaniel head of the Ordnance Systems Department who nominated Stone and Stoutmever for the Technical Director Award, have effectively opened up a new dimension by successfully demonstrating successful recoveries under conditions far in excess of the capabilities of any existing aircraft ejection seat

In spite of the magnitude of the improvement involved, the work was accomplished in a timely manner and on an austere exploratory development budget, Schaniel pointed out.

"This," Schaniel wrote, "was only possible because of the willingness of the individuals involved to take prudent technical risks based on sound technical evaluation of available data, and their ability to perceive and employ every available cost savings opportunity.

"A pioneering spirit and enthusias existed on this program which is reminiscent of NWC's heritage and is rare in these times of decreasing laboratory hardware involvement," the head of the Ordnance Systems Department observed.

In some cases, leave forfeited at end of year may be restored

Annual leave that is forfeited at the end of the year due to on-the-job operational demands may be restored if the following conditions are met:

(1) Command det operational demands are important enough to warrant cancellation of the approved leave, and (2) the annual leave was scheduled at least three pay periods prior to the end of the leave year (this year by Dec. 1, 1978).

A memo dated Oct. 18, 1978, which explains the procedures for restoring forfeited annual leave which meets the above conditions, has been sent to departments, divisions, and branches. If further information is needed, contact Nancy Cleland by calling NWC ext. 2018 or 2592.



CEREMONY GETS UNDERWAY - Pomp and ceremony that included participation of a color guard from the Marine Corps Base at Camp Pendleton led up to the highlight of the Marine Ball - the cutting of a cake baked in honor of the 203rd birthday of the U.S. Marine Corps. The escort standing at left with sword drawn is Capt. William S. Buttrill. -Photos by Ron Allen Page Three



YULETIDE GALA -- Rear Admiral William L. Harris, Center Commander, was the first to purchase a licket for the all hands Christmas party to be held at the Community Center on Friday, Dec. 1. RAdm. Harris noted to FTCS Dave Vander Houwen and Lt. Tom Fellin (I. to r.) as they sold him his tickets that he was looking forward to extending his personal holiday greetings to all of the Center's military and civilian personnel that evening. Tickets for prime rib dinners are \$8.50, and for chicken are \$6 per person; military personnel will receive a \$2 discount per ticket for themselves and their spouses or dates. Music for dancing following dinner will be provided by the 11th Naval District dance band. Tickets are on sale at the message office in Hangar 3, the barber shop in Hangar 2; the Military Personnel Office, and in Lauritsen and Michelson Laboratories. - Photo by Ron Allen

Annual Homecoming fete set this weekend at Burroughs High School

Homecoming celebration began today and from Hart High School in Newhall. will be climaxed by a dance on Saturday night from 8 to midnight in the local high game this season, will begin their game at 5 school multi-use room.

The main attraction today, which is "Spirit Day" on the BHS campus, will be a pep rally from 2 to 3 p.m.

"Spirit Day" is to be topped off this evening by fun and games at the high school gym. Slated to begin at 8 o'clock are such inter-class and individual competitive events as a sack race, a pie-eating contest and a suitcase race. The admission price is 25 cents per person tonight at the BHS gym.

On Friday, which is a school holiday, work that has gone into preparation of Homecoming floats by the freshman, sophomore, junior and senior classes will be judged at 3 p.m., and all will then be in readiness for the Homecoming gridiron contests between the Burros sophomore and

Navy Sabbath to be observed this weekend

Navy Sabbath will be observed this weekend with special services at the All-Faith Chapel, starting with services by the Hebrew congregation on Friday evening and concluding Sunday with services by the Protestant and Catholic congregations.

The theme of the Navy Sabbath this year is "Helping Preserve Freedom for 203 Years." Navy men and women attending the religious services of their choice are the change in the length of open season asked to wear their uniforms in honor of the (from two weeks to four weeks) to allow special event

laymen members of the Naval Reserve ployees to study the benefits or services Association to show the nation's gratitude for the courage, charity and fortitude shown deciding what action they want to take. by the Navy and Marine Corps.

involved in honoring the Navy Sabbath. action during this time. However, any

Burroughs High School's annual varsity grid squads and their counterparts The sophomores, who have lost just one

> p.m., and the varsity clash between Burroughs and Hart will get underway at 8. Before the start of the varsity clash, the 1978 Burroughs High School Homecoming queen will be crowned, and her court will be introduced. The candidates for the honor of reigning as Homecoming queen are Cindy Doyel, Denise Rickets, Dawn Nash and Stacie McCullough

Winners of the float-building and "spirit" award will be announced on Friday night during the halftime break in the Burroughs vs. Hart High School varsity football game. Homecoming 1978 at Burroughs High will be concluded by a dance featuring music by the City Lites, a musical group from Los Angeles. BHS alumni are invited and welcome to attend. Tickets are priced at \$5 per couple or \$3 each for single admission by current holders of Associated Student Body cards, and \$6 per couple or \$3.50 for single admission of those without student body cards.

Open season for Fed'l Employees' Health Benefits Program scheduled Nov. 13-Dec. 8

Open season for the Federal Employees' Health Benefits Program will be held from

Nov. 13 through Dec. 8, 1978. The Civil Service Commission proposed more time for distribution of open season Navy Sabbath was established in 1966 by materials and to allow more time for emoffered by all available plans before

Employees who do not want to make any Churches throughout the nation will be change in their enrollment need take no eligible employee who is not current

PLAN	OPTION				
	High Self	High Family	Low Self	Low Family	
Blue Cross/Blue Shield	\$10.76	\$24.03	.\$1.73.	\$5.02	
Aetna	7.63	12.60	2.43	5.75	
American Federation of Gov't Employees	6.11	12.50			
Alliance Health Benefits Plan	6.03				
American Postal Workers Union Plan	7.91				
Gov't Employees Hospital Ass'n	5.00	8.63			
Mail Handlers Benefit Plan	4.17	15.35	2.56	7.21	
Nat'l Ass'n of Letter Carriers Health					
Benefit Plan	7.57				
and the second	and the second se				

. 12.22 23.23 1.45 3.53 **Postmasters Benefit Plan**

ROCKETEER

November 9, 1978

Centerite commands reserve unit trained

to augment crew of regular Navy frigate

LCdr. Larry E. Parrent, a Naval Reserve In conjunction with the change of comofficer who is employed as an auditor on the mand there also was a retirement cere-Naval Weapons Center's Internal Review mony in honor of the 20 years of active and Staff, recently took command of a Naval Reserve unit whose mission is to train personnel to augment the crew of the USS O'Callahan, fast frigate No. 1051, in time of Projects Branch of the NWC Weapons recall and mobilization

The USS O'Callahan, an active ship of the AT1 Glover has been the leading petty line, has an anti-submarine warfare officer for electronics technicians in the mission, and the unit which LCdr. Parrent FF1051 Operations Department, and also is now commanding is a selected group served for seven years with the China Lake under the direction of the Commander, Naval Reserve Readiness Command, Region 19 in San Diego.

The unit's manning allowance is five officers and 66 enlisted personnel of varied rates. The unit also has training and administrative responsibility for five ad-



LCdr. Larry E. Parrent, USNR-R

ditional officers and 25 enlisted personnel who live within a 150 mile radius of Bakersfield, but hold mobilization billets at scattered points around the U.S. that are impractical to reach for weekend drills.

Training elements or divisions of LCdr. Parrent's unit travel to the O'Callahan in San Diego or to the shipboard simulator located at the Naval and Marine Corps Reserve Center in Encino, Calif., every three months in order to put classroom theory and technique into practice. LCdr. Parrent, who is a surface warfare

specialist in the Naval Reserve, took command of the FF1051 Naval Reserve unit during a change of command ceremony that was held at the Naval and Marine Corps Center in Bakersfield. He has served as executive officer of this unit since its inception in March 1977

registered may enroll, and enrolled employees may change from one plan or option to another, or from self only to self and family, or a combination of both.

This year each employee will receive brochures for both the Service Benefit Plan (Blue Cross-Blue Shield) and the Indemnity Benefit Plan (Aetna), an open season instructions pamphlet about plan changes that will become effective on Jan. 1, 1979, and a bi-weekly benefits rates sheet.

Employees who want to enroll or make some other permissable change in coverage uld contact their Code 09 personnel clerk. New enrollments and changes in invites all veterans' groups, fraternal and current enrollments made during the open service organizations in the local area to season will become effective the first pay participate by sending color bearers with period in January 1979.

Employees are urged to make any American flag. desired change in the Federal Employees' Health Benefits Program as soon as they drill team will present the colors at the have the information literature they need. beginning of the program and later give a Information materials will be distributed as demonstration of precision marching soon as they are received.

Following is a list of plans which NWC A potluck luncheon will be served in the for 1979.

reserve military service performed by AT1 David Glover, USNR-R, who is a lead electronics technician in the Walleye Department.

unit of Reserve Mobile Construction Battalion 17.

Other China Lakers who are members of the FF1051 Naval Reserve unit are Jeff Matlick and Nelson Foucher, an electronics technician and leading electronics technician, respectively, in the Weapons Department's Signal Process and Control Branch. Their current ratings are fire control technician chief (FTMC) and fire control technician 1st class.

Naval Weapons Center employees with past Navy experience in shipboard rates who are interested in the Selected Naval Reserve Program can obtain information by calling Parrent at NWC ext. 3555, or after working hours at 375-9167.

Vets Day program slated at VFW Hall in Ridgecrest Sat.

A patriotic program in observance of Veterans Day will be held on Saturday, starting at 11 a.m., at the VFW Hall, 117 Alvord St., Ridgecrest,

The guest speaker will be Cdr. Rodney A. Knutson, head of the Military Administration Department and Commanding Officer of Enlisted Personnel at the Naval Weapons Center.

Cdr. Knutson, who was a prisoner of war for more than seven years in North Vietnam, will speak on "What America Means

LCdr. R. C. Wallace, ChC, USN, is to deliver the opening invocation and will close the program with a benediction. The vocal soloist will be Lenore Edwards, 2nd vicecommander of John M. Armitage Post of the American Legion, who will sing



'America the Beautiful" and "Battle Hymn of the Republic.

Master of ceremonies for the Veterans Day program will be Lois Galvin, chairman their organizational banner and an

The NWC Sidewinder color guard and maneuvers.

employees are eligible to join and the rates VFW Hall following the local observance of Veterans Day.

November 9, 1978



EDWARDS FTC COMMANDER VISITS NWC - Rear Admiral William L. Harris, NWC Commander, presents a Naval Weapons Center plaque to Brig. Gen. Phillip J. Conley, Jr., Commander of Air Force Test Center at Edwards Air Force Base. Brig. Gen. Conley visited China Lake recently for discussions with RAdm. Harris' and other Center officials on matters of mutual interest regarding test and evaluation programs and on the maintenance of desert area test ranges

Air Force Flight Center Commander briefed during visit to China Lake

USAF, Commander of the Air Force Flight Test Center at Edwards Air Force Base, toured NWC program and project visited the Naval Weapons Center recently to discuss matters of mutual interest with with research and development of the

military and civilian officials here. His discussions with Rear Admiral other members of the Center's top management centered on test and evaluation matters and on the maintenance of desert area test ranges.

Brig. Gen. Conley is responsible for the flight testing of the Air Force's newest types of aircraft that is conducted at Edwards Air Force Base.

The general received briefings from RAdm. Harris and Bob Hillyer, the Center's Technical Director. He also heard from Roth, Edwards AFB base civil engineer, Captain R. B. Wilson, NWC Public Works and Alvin P. White, deputy base engineer.

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-6 p.m.

Centerites are reminded that al employees or military personnel, regardless of their place of residence are welcome to use the NWC library.

FICTION Kyril Bonfiglioli All the Tea in China. Robert L. Duncan - Fire Storm. Thomas Gifford - The Glendower Legacy Sergeanne Golon - Angelique and the

Ghosts Virginia Kidd - Millennial Women. Linda J. La Rosa - The Random Factor. Phyllis A. Whitney - The Glass Flame. NON-FICTION

Irving H. Bartlett - Daniel Webster. Murray Kappelman - Between Parent and School.

Donald M. McKale - The Swastika Outside Germany.

Dale Evans Rogers - Hear the Children Crying; The Child Abuse Epidemic. James G. Stockard - Career Development and Job Training.

Jill Wordsworth - Diet Revolution; Nutrition, Diets, and Food Fads.

Brigadier General Philip J. Conley, Jr., Officer, on geothermal resources and developments. Brig. Gen. Conley then laboratories, including those concerned Sparrow missile and the CCD seeker

Following an overview on the Center's William L. Harris, NWC Commander, and test and evaluation facilities and capabilities by C. J. DiPol, head of the Range Department, the general made a helicopter tour of NWC ranges before returning to Edwards AFB.

mpanying Brig. Gen. Conley were Acco Frederick N. Stoliker, the Air Force Test Center's technical advisor; Col. William T. Twinting, Commander of the 6510th Test Wing; Col. Donald L. Flood, director of engineering for the 6510th; Col. Charles A.

Brig. Gen. Conley took over as the Air Force Test Center's commander in March of this year.

Equipment modifications improve reception on TV Channels 22, 23

Equipment modifications made recently whose programs are received locally on at the community-owned TV booster installation on Laurel Mt. have resulted in television reception on TV Channels 22 and

According to Jim Rieger, an electronics engineer in Code 6243 who is a member of the Indian Wells Valley TV and Radio In addition, FM radio station KLOS is Booster System Committee, the most notable changes are improvements in and other work is pending that will improve picture quality and color on Channel 28, a the picture quality of TV channels 22 and 40. public service TV station in Los Angeles

Energy consumption at Center declines during last 4 years

For the period of the past four fiscal years, total energy consumption at the Naval Weapons Center has dropped approximately 14.7 percent, according to an NWC energy profile drawn up this week by Dr. Cliff Stine, head of the Energy Conservation Office.

The major cost item in the energy consumption picture is the amount paid for electric power, which accounts for more than half the total.

Natural gas usage ranks second, but because it has been possible in some instances to shift to the use of fuel oil, less and less natural gas has been consumed at NWC from Fiscal Year 1975 through Fiscal Year

The financial outlay for fuel oil and for propane that is used for external heating at remote site operations and to power some vehicles are the two least expensive portions of the Center's energy consumption bill, the NWC energy profile shows.

During the four-year period covered in this comparison, reduced energy consumption has resulted in a savings to the Center of approximately \$750,000, Dr. Stine

Naval Reserve Weapons Center Support Unit holds change of command ceremony

Unit 0176 now has a new Commanding Officer following its weekend drill held in October, when Cdr. John Bloore, USNR-R. relieved Capt. Gary Bailey, USNR-R.

Capt. Bailey had served as the unit's CO for the past two years. He has been reassigned to Naval Reserve Weapons Systems Support Unit 0776, another ready reserve group that also meets at China Lake

Cdr. Bloore is employed by the Northrup

Channel 55. The installation of a buffer amplifier to

improvements in the quality of local one of the Channel 28 converters, which was done by Jim Wooley, newest member of the IWV TV Booster, Inc., board of directors, is responsible for the improvement, Rieger

back on the air after repairs to its antenna, In order for Indian Wells Valley residents

to receive TV programs of Channels 22, 28 and 40, which are transmitted locally on channels 49, 55 and 53, respectively, it is necessary to have a UHF TV antenna aimed southwest in the direction of Laurel Mt. These three channels cannot be received from the transmitters on B Mt.

Regular maintenance work and the handling of special problems related to the operation of the Indian Wells Valley TV / FM radio radio booster system are made possible by local area residents' contributions of membership fees of \$5 per person or \$10 per household.

Persons who benefit from the local TV and FM radio booster system and wish to contribute to its support can do so by sending a check made payable to "TV Booster" to the IWV TV Booster, Inc., P.O. Box 526, Ridgecrest, CA., 93555.

Government employees' union to meet Monday

The next monthly meeting of Local 1781 of the American Federation of Government Employees will be held on Monday starting at 7 p.m. at 65-B Halsey Ave., China Lake.

Local 1781 is the exclusive representative of a unit composed of those non-supervisory civilian employees of the Safety and Security Department's Police and Security Operations Division who are located at China Lake.

Naval Reserve Weapons Center Support Corp. and lives in Los Angeles. He travels to China Lake for his unit's monthly weekend meetings. The Naval Reserve Weapons Center Support Unit (NRWCSU) is an organized component of the Naval Reserve that trains here one weekend a month and is ordered to active duty as a unit for two weeks of training every year.

The purpose of the group is to maintain proficiency in providing aircraft maintenance for the Naval Weapons Center, which is the job it would be assigned if called to active service during a national emergency.

Most of the unit's more than 20 members live in Los Angeles. They were assigned to drill with NRWCSU 0176 because of the availability of reserve billets in their specialties. This is the reason they must travel so far to attend drills here. Capt. Bailey explained.

Capt. Bailey is a civilian employee of the Naval Weapons Center and is associate head of the Aircraft Department's Base **Operations** Division.



Have you checked your hot water heater recently? Sediment should be flushed from it every month Near the bottom of the tank there is a valve just for this purpose. Use it to drain several buckets of water from the tank. Removing the sediment will keep the heater operating efficiently.



RESERVE UNIT CHANGE OF COMMAND - Cdr. John Bloore, USNR-R (left) relieves Capt. Gary Bailey, USNR-R, as Commanding Officer of Naval Reserve Weapons Center Support Unit 0176. The change of command ceremony took place at Armitage Field recently during the unit's monthly weekend drill.

Page Five



ROCKETEER

Historic data . . .

(Continued from Front Page)

a manufacturing plant for the experimental production of rocket propellants, and the loading of rocket motors."

"Work was begun under contract NOY 9088 in early February in the China Lake area, the permanent headquarters of the Station."

"Although the period from February to July 1944 was marked primarily by advances in construction, many notable achievements were accomplished at the Station in connection with Rocket Weapons. Among these were the development and testing of the 5-in. HVAR rocket known as 'Holy Moses'."

"A demand for a large airborne rocket brought forth the 11.75 in. Aircraft Rocket known as 'Tiny Tim. Under 'Project Tim' this rocket was developed and tested at the Naval Ordnance Test Station. The first round was fired 28 April 1944."

Reminiscences . . .

(Continued from Front Page) it's a remarkable place.

Rose first came to NOTS as a Wave yeoman in 1944, and immediately went to work for Civil Service when she left the Waves in 1946.

"In those days we were doing something worthwhile and productive, and now, 35 years later, we are still doing something worthwhile and productive," Rose feels.

The only regret that either of them mention is best phrased by Ann McDuff when she says "there just aren't very many of us from the early days to reminisce with any more."



Your new station publication makes its debut with a deep, low bow. The name ROCKETEER, was submitted by Commander Gordon N. Lantz, Supply Officer, who won a twenty-five dollar war bond for his efforts. The "name the magazine" con-test was judged by Commander J. O. Rich-mond and a committee.





By Mickey Strang

With the lowest pay number (00333) of anyone currently working at China Lake, Joe Garrett isn't exactly a plank-owner, but he's close to it.

When he arrived to go to work at what was then the Naval Ordnance Test Station, he'd spent 7½ hours on a Greyhound Bus coming up from Los Angeles, and he and his son had had to stand from Los Angeles all the way to Mojave before they'd gotten a seat. When they arrived they found a giant construction

Most of the activity then in progress involved moving the equipment and work force from Inyokern to the new base under construction at China Lake.

Joe did know a little of what to expect because his stepfather, Morton Ertl, had been working at NOTS since January 1944. Both he and his stepfather had worked for Cdr. Bob Appleton at the Naval PowJer Factory at Indianhead, Md., and when Cdr. Appleton was transferred to China Lake, they followed.

Wife wasn't really prepared

"My wife wasn't nearly as prepared as I was for what conditions were like, though," Joe chuckles. "The first place we lived when she followed me here was in a 12-foot camp trailer parked in the Triangle. We had no bathroom or water in it, and had to go across the street to the construction area for either one. To add to the touch of the old and primitive West, she wasn't prepared for the stream of Navajo Indians who had been hired for construction work trudging past the door at quitting time, either.'

Fortunately the Garretts didn't have to stay in the trailer for long. They were soon able to move into a duplex on Fowler Street even though it had no tile on the floor yet. No tile was far preferable to no water.

Their first Easter here was a memorable one. Services were held in a modified quonset hut at the corner of Blandy and

Hussey, a building that subsequently became the Enlisted Club before finally being torn down to clear ground for the new Enlisted Mess now in use.

"We walked over from our duplex, all dressed up for Easter services," Joe reminisces, "and then the wind began to blow." He notes that when the wind blew in those days, there was no vegetation, no lawns, shrubs, or trees, to cut down on the dust

Tried to keep dust out

"We went straight home from church and spent the rest of the day putting tape and towels around all the windows and doors in the house to try to keep the dust out. It didn't do any good. At every window sill and door jamb piles of sand filtered in through tape, towels, and all. While the old days sure were a lot of fun, I don't miss those sandstorms at all!"

In spite of the sandstorms and primitive conditions that Joe found when he got here, he says that he has always been very happy with his job.

"The first place I worked was in the old machine shop, which was located in the hut back of the Training Center now used as the Navy Exchange warehouse. That didn't look much like the machine shop built in Michelson Lab later," Joe adds. He's now a foreman inspector with the Supply Department where the same can-do spirit that served so well in the early days is still inspiring his fellow-workers.

"My wife and I have really looked on China Lake as home," Joe says. "After all, six of our eight children were born here, and all are products of the local schools. We'll be here at least until our youngest, Lisa, who is now in the 8th grade, graduates from Burroughs. After that we may move closer to where most of the kids now live in San Diego.

"Our years here have been good ones," Joe feels. "We've seen the Center grow from almost nothing to the Navy's finest. Being able to be a part of that growth has been great.



ESSENTIALS - No matter where men work, they do need to eat. Dining facilities at Harvey Field, Inyokern, were primitive in early 1944, but a few amenities did exist. There may not have been damask tablecloths, and the lights were not from candles flickering over a formal table setting, but the food was no less welcome to men who were working long hours under primitive conditions to help develop the tools with which a war could be won.



May 3, 1945

1545 - Wind from south rising to medium gusts and velocity of 20 knots.

1610 - All local flights returned to field. Commenced raining.

1613 - O-in-C passed through Main Gate. Rain ceased.

May 7, 1945 0640 - Lt. Cmdr. Vossler announced

that VE-Day in Europe had been confirmed June 25, 1945

1336 - Capt. Burroughs, Cdr. Hayward, Adm. Mitscher, Capt. Nicholson, departed with JRB and GB for fishing trip to Bishop.

Aug. 10, 1945 0620 — The war appears to be over.

Aug. 14, 1945 Approx. 1600 - WAR OVER - "V J"

November 9, 1978



THE WAY IT WAS - A short month after this picture was taken in October 1944, construction crews began clearing land for the first buildings on the Naval Ordnance Test Station, now the Naval Weapons Center. Reconnaissance parties of Navy and California Institute of Technology personnel had been delighted to find a vast section of the desert nearly uninhabited and available for use for research, development and testing of weapons. Not only was the vast acreage nearly uninhabited, but power lines were in, water was available, and both a highway and an airfield (Harvey Field at Inyokern) were already built.

From

April 17, 1944

1615 - Captain's mast held. Offense -

finement on bread and water.

AWOL 3 hours 16 April 1944. Punish-

ment: Five days solitary con-

July 22, 1944

1515 - No available 91 octane fuel

reported by line. Reason found to be

that an unidentified civilian

departed for parts unknown with a

key to the reserve supply. 100 octane

FIRST TECHNICAL DIRECTOR

Dr. Louis Ten Eyck Thompson, "Dr.

Tommy," used the unique expertise he

had developed as the Navy's first civi-

lian senior scientist (at the Naval Prov-

ing Ground at Dahlgren, Va.) to help

establish the military/civilian

scientific team concept that has proven

so effective. He came to NOTS in 1945 at

the urging of its first Commanding

Officer, Capt. Sherman E. Burroughs,

and was appointed as the first

Technical Director before the end of the

year.

available





NOTS Pioneers reminisce about early days

reminiscences of the early timers at NOTS - that of the blowing sand.

As desert vegetation was bulldozed away to clear land for buildings and roads and runways, the winds of the Sierra wave would waft the bare surface skyward, and, as one early timer noted "all the wind and the dust in the world descended on NOTS." "Termination weather" it was called by

those who stayed while others fled. Even when the sand had drifted so badly

against one building that a Public Works truck had to be summoned to clear the main door so it could be opened (and the truck itself got stuck in the sand), these early timers chuckled, dug away the sand drifts, and settled in to do their job of running a major research and development and test establishment while it was still under construction.

Rudimentary Main Gate

Sand piling against the first main gate was no problem. That first gate consisted of a 2x4 lying across a couple of carpenter's sawhorses.

Sawhorse and plank construction also formed the first movie theater seats at NOTS. The earliest movies were shown out of doors, with those watching sitting on splintery planks instead of plush theater

And the earliest houses built, although welcomed by all, also created some problems. All the houses looked alike, streets were not really established, and adults as well as children often had trouble trying to distinguish their own residence from others.

Any Port in a Storm

Since many residents didn't feel it necessary to lock doors, strange children and adults were apt to wander in, thinking that they had reached their own homes. This happened especially when the wind and sand obscured such few landmarks as might have existed.

"We felt like we were pioneering," says

One consistent theme runs through all the Ann McDuff, a management analyst in the Office of Finance and Management. "Trona was the civilized place we went to

go shopping or to go swimming when we had some time off.'

Ann first came to China Lake in July 1944 as a Civil Service employee. She'd selected NOTS as the place to work rather than Panama or the other locations offered her because it was only 400 miles from her home in Alameda

She admits to having had second thoughts about her selection when she was assigned her first working and living space in the

same quonset hut, but gamely stayed on until World War II was over.

In 1945 she left China Lake to go back home and to go to school, but found that she missed the desert and her friends here, and by February 1946 she returned. She's been employed here ever since.

"You have to go away once to really appreciate what a remarkable place this is," Ann says.

Theresa (Rose) Gonzales, head of the **Records Management Branch in the Office** of Finance and Management, agrees that (Continued on Back Page)

Notations from personal log of Station's first **Commander outline beginnings of what is now NWC**

On Nov. 8, 1943, then Secretary of the Navy Frank Knox signed the order establishing the Naval Ordnance Test Station (now the Naval Weapons Center). The urgency of the need for the new Station and its planned operations can be noted from these excerpts from the personal log of Rear Admiral Sherman E.

Burroughs, USN (Ret.) who was a captain when he became the first Commanding Officer of NOTS.

"During the period 9 to 16 November 1943 conferences were held at the California Institute (of Technology) among representatives of the Navy and the California Institute. The results of these meetings were compiled in a report entitled 'Proposed Layout of Facilities for Naval Ordnance Test Station, Inyokern, California, dated 12 November 1943.' "

"Negotiations were begun early in December 1943 for the acquisition of a large portion of the territory known as the Indian Wells Valley situated in the Counties of Kern, Inyo and San Bernardino and including the Inyokern airport. This area consisted largely of undeveloped Public Domain, used principally for cattle grazing and marginal mining operations."

"In order that the Station might become immediately effective in the war effort, it was decided to proceed with the immediate construction of certain temporary facilities. These included temporary housing, air and ground range installations, roads, shops and warehouses."

"Thus, primary air training and aircraft test firing were begun early in January 1944, and ground firing, early in February." .. It was deemed advisable to construct (Continued on Back Page)



Capt. Sherman E. Burroughs

ROCKETEER



SHAPING UP - The construction of Michelson Laboratory proceeded following the end of World War II, and by September 1946 the wings were nearly complete although the main structure still resembled a giant two-story parking lot more than a

laboratory. Many NWC personnel who lived at China Lake as children in the mid-1940s remember using the enormous concrete slab floors of the laboratory building as a roller skating area during its early construction period.



FIRST THINGS FIRST - Less than five months after the order establishing the new Station was signed, these headquarters huts had been built for the staff which not only supervised the construction of NOTS, but also was already in charge of a research, development, testing, and training program. The first Commander's hut served him as both office and living quarters — a distinct advantage when the wind swooped in from the mountains over newly cleared lands and the dust swirled.

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FRAMEWORK - By the middle of February 1945 the first framework of Michelson Laboratory thrust up into desert skies. Cdr. J. A. Duncan, the Laboratory Officer, headed a committee that studied what were considered to be the best scientific laboratory buildings around the nation and used their findings in the design of what was to become the main laboratory building at NOTS. Recommendations included building an earthquake-proof structure whose 762-ft. long main section would be two stories in height, with 8 one-story wings and a 3story machine shop.



FAITHFUL SERVANT - Built originally as the Station movie theater, this building was converted into the Station Chapel in 1948. It served as the Chapel until Nov. 3, 1957, when the present All Faith Chapel was dedicated. It then became the Jolly Roger, the Enlisted Men's Club, and filled that role for 11 years before finally being demolished in mid-1975 when construction began on the present Enlisted Mess building at the corner of Hussey Road and Blandy Avenue.



the ceremony were Dr. Charles C. Lauritsen, for whom the Lauritsen Laboratory was named; Dr. L. T. E. Thompson, first Technical Director of the Station, Rear Admiral Sherman E. Burroughs, who had been the first Commander of the Station; and numerous high-ranking military and civilian personnel. Specially honored guests were three of Dr. Albert Michelson's daughters. The name, Michelson Laboratory, was chosen as particularly appropriate for a structure encompassing Navy research and development laboratories because Dr. Michelson was a graduate of the Naval Academy, and was actually teaching at the Academy when he first became interested in the work on measuring the speed of light for which he attained world renown. Dr. Michelson was awarded the Nobel Prize in physics in 1907 "for his precision optical instruments and the spectroscopic and metrological investigations carried out with their aid."

ZOOM! - Initial tests of Tiny Tim, the 11.75-in. rocket, were aircraft, indica the urgen. A the development project. The conducted at NOTS in 1944. The rocket was designed to give an aircraft the punch of a 12-in. gun, but the end of World War II came before Tiny Tim had a full combat test. The primitive test conditions pictured, with the rocket launched from a parked

need to test flight rockets developed by the California Institute of Technology provided the initial impetus to seek additional land in the Mojave Desert for a Naval Station when the Goldstone facility proved inadequate.

November 9, 1978

Photos from the Archives



EASY DOES IT - The 12-in extrusion press was carefully eased into position in its Pilot Plant location in late 1944. Round-the-clock work for weeks ensured that the press would be functional when the official party from CalTech came formally to start its operation. Unfortunately, some "glitches" remained. Operating personnel hid one of their number out of sight, and when visiting admiral pushed the "start" button to initiate the press, start the first extrusion, and officially begin the NOTS rocket program, it was the hidden engineer who put wires together operation.



DIFFERENT VIEW - Halsey Avenue, looking east from what is now the Main Gate of NWC, looked much different in early 1944. The road had been graded, power lines strung and water tanks erected, but none of what is seen today on Halsey Avenue existed yet. Considering how little traffic flowed on the base at NOTS, there was no need for a traffic circle then.



EARLY BUILDING - Looking like units on a Monopoly playing board, the Officers' Club (now the Commissioned Officers' Mess Open), the Bachelor Officers' Quarters, and the first units of housing on "The Hill" were among the earliest units of non-office and laboratory space completed at NOTS in 1944. The "Club" then served as a place where three meals a day were served to those who were living in the primitive guarters available at the time. The houses then under construction sat in the midst of a vast sandy area which became airborne in the first whisper of a breeze.



BOOM — The testing of weapons and weapon components, of rockets, explosives, propellants, warheads, fuzes, was just as active at NOTS 35 years ago as the testing of missiles and their components is today. Such stalwarts of the nation's arsenal as the 2.75-in. folding fin aircraft rocket (of which more than 16 million were manufactured for use by the United States and its NATO allies), Zuni, RAM, Shrike, Walleye, and the whole Sidewinder family of weapons all were born at NOTS and NWC, and they are merely the forerunners of the future for the work of the Center.





men once more took to the boats. These Hawthorne units now flourish when the rains come.

FLOATING AWAY - Families living in the Hawthorne housing have been bulldozed away as the need for housing on the Center units in 1948 thought they were living in the desert, not in an inland has diminished, but Mirror Lake, the inland "sea" to which this sea. When the rains came - and they still occasionally come in water drained, still exists, and the fairy shrimp which have the same quantity although drainage now is much better - Navy existed in its alternate cycles of wetness and baked mud still