



DONATION TO MUSEUM — Contributions to the Maturango Museum building fund were increased by the recent donation of \$500 by First Federal Savings and Loan of Ridgecrest. The gift was presented by Bob Brinton, vice-president, and Susie Cott, marketing director of First Federal, to Edna Laytart (at right), administrative assistant to Bob Tuck, director of the Maturango Museum. The building fund total now stands at \$170,000.

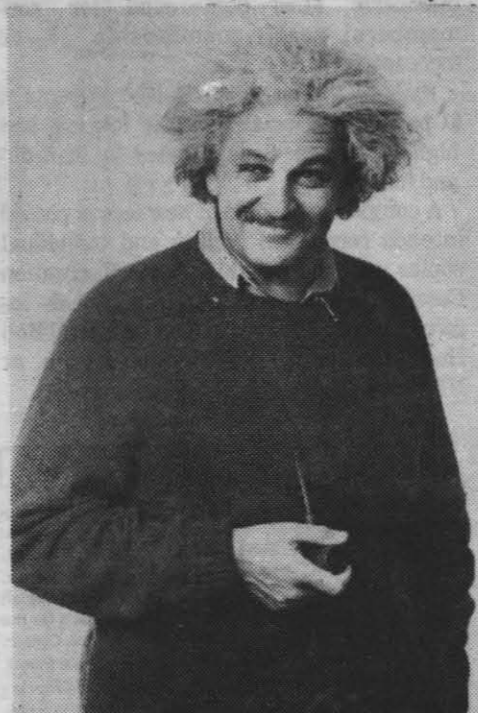
Monologue on Albert Einstein is next Concert Ass'n program

A program somewhat different than those stressing vocal and instrumental music will be presented at 7:30 p.m. next Thursday, Jan. 15, in the Center theater by the Indian Wells Valley Concert Association.

At center stage will be Ed Metzger, a veteran of 20 years' experience as a stage, movie and TV actor, who will present a one-man play that spans most of the life of the scientist Albert Einstein. Metzger, the co-author, call his presentation "Albert Einstein: The Practical Bohemian."

For this, the Concert Association's third program of the 1980-81 series, Metzger will do for Albert Einstein what Hal Holbrook has done for Mark Twain and James Whitmore for Harry Truman, namely, pluck a man from the pages of history and bring him to life on stage.

Metzger will reveal the many sides of Einstein's personality in a reflective por-



Ed Metzger as Einstein

trayal that spans both the youthful years in Europe (Act I) and the later years in America (Act II).

This 90-minute, well-paced show has elicited an overwhelming response wherever it has played, IWV Concert Association officials report.

In order to find a way to put down on paper the thoughts and feelings of Einstein, and also to find a way to explain Einstein's scientific findings in an interesting manner, Metzger and Laya Gelfi (co-author), read all they could about the famous scientist, looked at photographs and films clips, and listened to recordings.

From this collage of information, they started to construct bits and pieces of scenes, which they thought would have value in bringing out the warmth and sensitivity of Einstein, the man.

After two years, the accumulated material was developed into a dramatic presentation that drew an overwhelming

response at its opening at the Matrix Theatre in Los Angeles in October 1978.

Currently "Albert Einstein: The Practical Bohemian" starring Metzger is touring college campuses and theaters throughout the country.

In addition, Metzger will present a 50-minute program primarily for students next Thursday, Jan. 15, at the Burroughs High School lecture center starting at 10 a.m. Metzger will appear as Einstein in an informal class setting, responding to questions from the audience.

Arrangements have been made for selected science and drama students from local junior high school also to attend, and the program is open, without charge, to the general public as well. It is provided as an educational service by the IWV Concert Association, and is made possible by contributions to the Student Education Fund.

Tickets to the Jan. 15 evening performance at the Center theater are priced at \$5 each for general admission, or \$3 for enlisted military personnel and those under 21 or senior citizens 65 years of age and over.

Tickets to see Metzger's portrayal of Albert Einstein can be purchased in advance at the Maturango Museum, or in Ridgecrest at The Music Man, The Gift Mart, McNeil's Fashions, at the Medical Arts Pharmacy, and at the Center Pharmacy (located next door to the Drummond Medical Center).

On the late afternoon and evening of the program, they also will be on sale at the Center theater box office from 4:45 to 7:15 p.m.

Baritone singer to entertain at WACOM luncheon

Baritone David Ross will be the featured entertainer for the first lunch meeting of 1981 of the Women's Auxiliary of the Commissioned Officers' Mess on Tuesday.

The meeting will begin at 11 a.m. with a social hour, to be followed by lunch at 11:45.

Ross has an extensive background in opera and musical comedy, having appeared in such hits as "My Fair Lady," "Hair," "Oklahoma," and "Who's Sorry Now."

He is a favorite of passengers whom he entertains with his "One Man Show" aboard Princess Line cruise ships to various parts of the world.

Thrift Shop open during lunch hour on Thursdays

The Thrift Shop will have new operating hours during 1981. Starting immediately, it will be open on Thursday mornings from 10:30 a.m. until 12:30 o'clock to permit employees to shop during their lunch hour on that day. The Tuesday evening hours of 7 to 9 p.m. will be unchanged.

Maturango Museum annual meeting set on Jan. 19 at EM

The Maturango Museum's annual dinner meeting will be held on Monday, Jan. 19, at the Enlisted Mess. All interested residents of the community are invited to attend either the whole dinner meeting or just the lecture and business meeting that follow the dinner.

The featured speaker for the evening will be Dr. Frank Vaseck, a botanist at the University of California Riverside, who will talk about "The Creosote Bush: the Mojave Desert's Survival Champion."

The evening's festivities will begin with a social hour at 6 p.m., to be followed by a buffet dinner at 7 with both ham and steamboat round of beef, two salad bars, vegetables, coffee, tea, and milk.

Dr. Vaseck's talk, which is scheduled to



Dr. Frank Vaseck

begin at 8 p.m., will be followed at 9 by a short business meeting when a report on the status of the museum and its building fund will be given, and the outcome announced of the election for three new members of the Museum Board of Trustees. (Ballots will be given to members who attend the meeting; the results will be totaled during the meeting so that final announcement can be made that evening.)

Reservations are required from those who plan to attend the dinner and those who wish merely to come for the talk and business meeting. Dinner reservations are \$9 per person; those who only want to attend the talk will be charged \$2 each.

Reservations must be made by the close of business on Thursday, Jan. 15, at the Maturango Museum.

COM schedules Membership Night dinner-dance Jan. 16

The first Membership Night of the new year at the Commissioned Officers' Mess is slated next Friday, Jan. 16.

For the musical entertainment of members and guests the COM will present "Baaska and Scavelli", a group from the Los Angeles area, whose repertoire of oldies and goodies will be played from 8 p.m. till midnight.

A sumptuous meal consisting of baron of beef, green salad, potato, and vegetables will be served from 6 to 9 o'clock.

Price for this gala dinner and dance is \$4 for members and their spouses, and \$5 for guests.

Reservations, which must be received no later than Thursday, Jan. 15, are a must, and can be made by phoning the COM office at 446-2549.

Art work of Kim Fink on display at college

A collection of sculptures, paintings and drawings by artist Kim Fink is being exhibited at the Cerro Coso Community College Art Gallery through Jan. 30.

Fink's art work has been exhibited internationally.

The Art Gallery is open free of charge to all residents of the Indian Wells Valley as a community service of Cerro Coso College. It is open Monday through Thursday (except on holidays) from 9 a.m. to 9 p.m. and on Friday from 9 a.m. to 4 p.m.

MOVIES

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

Regular starting time—7 p.m.

FRIDAY, SUNDAY "HERBIE GOES BANANAS" JAN. 9, 11
Starring
Cloris Leachman and Charles Smith
(Comedy, rated G, 94 min.)

SATURDAY "THE RIPOFF" JAN. 10
Starring
Lee Van Cleef and Karen Black
(Drama, rated R, 100 min.)

MONDAY "ALL THAT JAZZ" JAN. 12
Starring
Roy Scheider and Jessica Lange
(Drama, rated R, 123 min.)

WEDNESDAY "HOW TO BEAT THE HIGH COST OF LIVING" JAN. 14
Starring
Jane Curtin and Jessica Lange
(Comedy-drama, rated PG, 105 min.)

FRIDAY "AIRPLANE" JAN. 16
Starring
Robert Hays and Julie Hagerty
(Comedy, rated PG, 88 min.)

SATURDAY "PROM NIGHT" JAN. 17
Starring
Leslie Nielsen and Jamie Lee Curtis
(Horror-drama, rated R, 93 min.)

SUNDAY "AMERICAN GIGOLO" JAN. 18
Starring
Richard Gere and Lauren Hutton
(Drama, rated R, 117 min.)

CLOTA banquet to be held Jan. 17; awards, entertainment slated

The Community Light Opera and Theater Association (CLOTA) will celebrate the end of a highly successful season at its annual banquet to be held on Saturday, Jan. 17, at the Enlisted Mess.

Ed Romero, president of the board of directors of CLOTA, will report on the status of the theater and the organization. The ten nominees to the board of directors will also be introduced and ballots will be cast to elect seven.

A highlight of the evening will be CLOTA's version of "Star Trek." Starring in the skit will be Rus Stedman and Tom Lehmann (both former winners of the best actor of the year awards), and Mark Claunch and David Craddock.

The Jane Bugay Award honoring a member of CLOTA who has made outstanding contributions to CLOTA throughout a period of years will also be presented.

Other awards to be made include the best actor, best actress, best supporting actor and actress, director, music director, costumes, lights, and set design.

Chairman of the evening's program is Vivian Boultinghouse.

The evening's activities will begin with a social hour at 6:30 p.m.; admission for the social hour is \$1 per person. A buffet dinner costing \$7.50 per person will be served following the social hour. Reservations are required and must be made and paid for by Sunday.

Reservations may be made by telephoning either Romero at 375-5829, or Ruth Schuyler at 375-9573.

U.S. Government Printing Office: 1981—No. 7

From: _____

To: _____

PLACE STAMP HERE

1981 to begin with community cleanup drive

A stream of pickup trucks and dump trucks operated by members of Reserve Naval Mobile Construction Battalion 17 will head out the gates of the Naval Weapons Center on Saturday, Jan. 17, carting litter, and trash to the Kern County dump as Project Community Pride swings into high gear.

Between 10 a.m. and 3 p.m. that day volunteers from throughout the community will turn to and clean up the trash that has collected around the main site of the Center. The command post for the operation will be located at the barbecue pits at Schoeffel Field where free refreshments for all the workers will be served from noon to 3 p.m. to help spur their efforts.

The headquarters command post will also serve as central point in a radio network linking trucks and the clean-up squads, and trash sacks imprinted with the logo for Project Community Pride will be issued by workers there as assignments to areas are made.

Volunteers, both groups or individuals, can request specific assignments if they wish (such as around buildings in which they work), or can await their assignments when they appear on that morning.

Volunteers for the clean-up operation are still being sought. Anyone who wishes to put in several constructive hours in good company is asked to telephone Natalie Harrison, the Community Liaison Assistant, at NWC ext. 3481.

"Usually spring housecleaning isn't much fun," says Ens. Ken Dorrell, Facilities Planning Office in the Public Works Department, who volunteered to serve as chairman for Operation Community Pride. "But our clean-up day should be as much fun as it will be useful. We'll have good company for anyone who is working—volunteers are always good people—and the weather man promises that he'll do his best to provide a beautiful day for us."

"Come on out and join us," he adds. Trash will be collected in plastic bags that (Continued on Page 5)

Chemist involved in explosives research work presented AV-8B Technical Director Award

The new year got off to an impressive start for Dr. Tucker T. Yee, a chemist in the Ordnance Systems Department's Explosives Formulation Branch, who was singled out to receive the Naval Weapons Center's Technical Director Award.

Presentation of the award was made to Dr. Yee by Bob Hillyer, Technical Director, during Monday morning's Commander's meeting held in the Management Center of Michelson Laboratory.

Dr. Yee, who has been employed at NWC for nearly nine years, was commended for his many contributions in the field of explosive research and development. Mentioned specifically was his patient research work that resulted in identifying the cause of an intermittent physical instability that made two very important explosives (PBXC-116 and PBXC-117) unsuitable for certain applications.

According to Dr. Taylor Joyner, head of the Explosives Formulation Branch (Code 3264), who nominated Dr. Yee for the Technical Director Award, PBXC-116 and PBXC-117 are easily processible explosives that are suitable for use in a wide range of devices, including guided missiles, bombs, and warheads.

Dr. Yee has developed modified formulations for these two explosives to remedy the problem of intermittent physical instability, and succeeded in determining the physical properties, curing, and aging characteristics of the PBXC-116 and PBXC-117 explosives.

While this work was in progress, Dr. Yee also developed new methods for the syntheses and recrystallization of the in-



NAVAL WEAPONS CENTER
CHINA LAKE
CALIFORNIA

Military officials observe test of 25mm aircraft gun fired against tank targets

Top level military officials from all three branches of the Armed Forces, as well as from the Office of the Secretary of Defense, Congressional staff members, and representatives of industry were here on Dec. 10 to observe a test held to determine the effectiveness of a developmental 25mm aircraft gun loaded with a new armor piercing, incendiary round.

The gun, which was manufactured by the General Electric Co. using as guidelines specifications written by the Gun Systems Branch of NWC's Ordnance Systems Department, was mounted on a modified AV-8 Harrier aircraft.

Targets during the test that was conducted in the G-range area were three American-made M-47 tanks and a Russian T-62 tank.

MILESTONE ACHIEVED
The tests, a milestone in the work that has been carried out for nearly five years by Jack Bates, the NWC Technical Manager for the 25mm gun system, and other members of the Gun Systems Branch, were coordinated by John Halligan, range engineer in the Test and Evaluation Directorate.

Rex Randolph, weapons analyst in the Weapons Effectiveness Branch of the NWC Weapons Department, had a principal role in the 25mm gun test, since it was his responsibility to help develop the plan for the series. Randolph is a member of the Combat Damage Effectiveness Team assigned to this test by the Joint Technical Coordinating Group/Munitions Effectiveness—a triservice organization.



HITS ON TARGET RECORDED — Members of the Combat Damage Effectiveness Team assigned to the 25mm aircraft gun test get down to the business of locating hits on one of the tank targets. After each impact is located, it is numbered, photographed, and the extent of the damage is described.

Examination of the tank targets and an assessment of the damage caused by the bursts fired from the 25mm gun was carried out on the day following the test by Randolph and nine other members of the Combat Damage Effectiveness Team.

This group counted the number of bullet

hits in each tank and determined if the tank had taken a direct hit or a ricochet by a bullet off the ground. Also examined were tank components to see how badly they were damaged in order to deduce whether, in actual battle conditions, the tank would have been put out of action permanently or could have been repaired.

Representatives from all three branches of the military service, as well as private industry, were involved in damage assessment following the 25mm gun test.

This weapon, a 5-barrel gatling gun capable of firing 4,200 rounds per minute, is the off-shoot of investigations and engineering analysis started here in 1975 to determine the optimum gun system for the AV-8B Harrier.

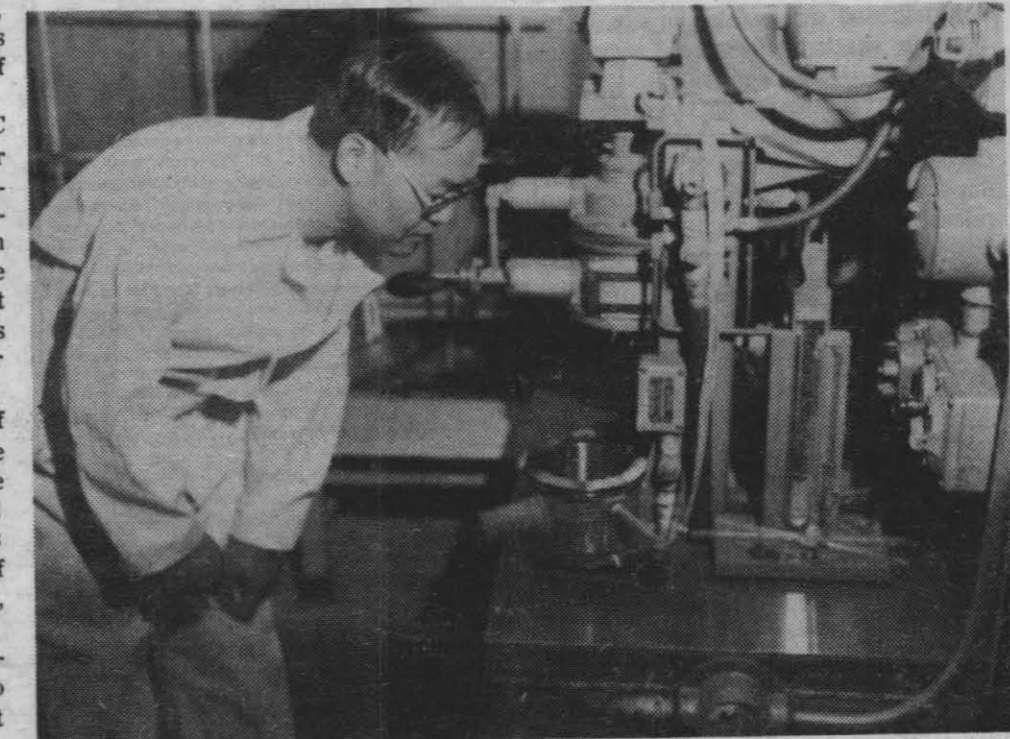
The conclusions, published in recommendations sent to the Naval Air Systems Command, were that the 25mm gun was the best choice for the AV-8B Harrier, as well as (Continued on Page 5)

GS-12 administrative personnel to join NWC Demo Project

Effective last Monday, the Naval Weapons Center received authorization from the Office of Personnel Management (OPM) to enter all "administrative" GS-12 personnel into the Civil Service Reform Act Demonstration Project.

This approval was granted in response to a written request for such authority that was submitted by the Center to OPM in August 1980. By taking this action, the Center will complete "Level III" of the administrative career path which will preclude having to initiate a separate pay, classification and performance evaluation system for the Center's GS-12 administrative cadre.

Current plans call for entry of this group of employees into the Demonstration Project effective with the pay period beginning on Jan. 11, 1981. Questions concerning this subject should be directed to the personnel management advisors in each department.



CHEMIST HONORED — Dr. Tucker T. Yee prepares to operate a mixer that he uses in his work on the small-scale formulation of explosives. The mixer can be operated by remote control to eliminate any hazard to the operator when test work involving explosive materials is underway. On Monday, Dr. Yee became the latest recipient of the NWC Technical Director Award in recognition of his many contributions to explosive research and development.



315 YRS. OF FED'L SERVICE — Nine employees of the Naval Weapons Center who have a combined total of 315 years of federal service...

Famed civil rights leader to be honored at concert Sunday

Three church choirs will participate in a commemorative concert honoring the late Dr. Martin Luther King, Jr., on Sunday at the All Faith Chapel from 3 to 6 p.m.

The concert is co-sponsored by the NWC Equal Employment Opportunity Office and the Union Baptist Church of Ridgecrest.

The choirs of the Union Baptist Church of Ridgecrest, the New Paradise Baptist Church of Pearblossom, and the LD&H Gospel Singers of the Faithful Central Missionary Church of Los Angeles will be heard.

Manny Dunn will present a reading and introduction for the program; Jim Lewis will talk about "Oiling a Squeaky Society."

Chaplain R. P. Beck from the All Faith Chapel will welcome all those attending and will deliver the invocation.

Applications for PACE can be filed beginning Jan. 19

Applicants who wish to take the Professional and Administrative Career Examination (PACE) may file between Jan. 19 and Feb. 13 for tests to be given between March 7 and May 2.

Most professional and administrative positions at the GS-5 and GS-7 levels that are not filled through merit promotion are filled through competitive appointments from the Civil Service registers; a method of getting on the register is to successfully complete PACE.

Further information about PACE may be obtained from personnel at the Receptionist Desk in the Personnel Building.

The Rocketeer

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Captain W. B. Haff NWC Commander

R. M. Hillier Technical Director

S. G. Payne Public Affairs Officer

Don R. Yockey Editor

Mickey Strang Associate Editor

Beverly Beckvoort Editorial Assistant



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

Promotional opportunities

Applications (Standard Form 171) should be put in the drop box located at the Reception Desk of the Personnel Department, Bldg. 34. Unless otherwise specified in an ad, applications for positions listed in this column will be accepted from current appointable...

Announcement No. 31-013, Supervisory Computer Specialist, DA-334-3; Supervisory Mathematician DP-1520-3; (Interdisciplinary) PD No. 7831124E, Code 3109 — This position is that of head, Instructional Systems Program Office...

Announcement No. 31-014 Supervisory Physicist, PD-1310-3/4; Supervisory Electronics Engineer, DP-855-3/4; Supervisory Mathematician, DP-1520-3/4; Supervisory Computer Scientist, DP-1550-3/4; (Interdisciplinary) PAC No. 8031443E, Code 21901 — This position is that of associate head, Tactical Software Engineering Division...

Announcement No. 31-001, Supervisory General Engineer, DP-801-3/4; Supervisory Mechanical Engineer, DP-830-3/4; Supervisory Electronics Engineer, DP-855-3/4; (Interdisciplinary) PAC No. 8133500E, Code 3353 — Incumbent will serve as head, Exploratory Development Branch, Electromechanical Division, Fuze and Sensors Department...

Reassignment opportunities

This column will be used to fill only engineering and technical positions through reassignment and promotion to positions with equal promotion potential. For this reason, the Reassignment Opportunity Announcements are separate from the Promotional Opportunities column in the Rocketeer.

Interdisciplinary DP-3, Supervisory Electronics Engineer or Supervisory Mechanical Engineer, Code 4212 — Position serves as the head, Instrumentation Branch, Ordnance T & E Division, Range Department...

Announcement No. 64007, Electronic Engineer, DP-855-3/4, Code 4472 — This position is located in the Test Support Branch of the Parachute Systems Department. The incumbent will be primarily responsible for the development of instrumentation and data collection systems...

EEO program; ability to coordinate and supervise the work of others. Announcement No. 32-002, Supervisory Mechanical Engineer, DP-820-4; Supervisory Electronics Engineer, DP-855-4; Supervisory Aerospace Engineer, DP-1530-4; Supervisory General Engineer, DP-801-4; Supervisory Physicist, DP-1310-4 (Interdisciplinary), PAC No. 80325313, Code 321 — This position is that of head, Sensor Systems Division, Fuze and Sensors Department...

Announcement No. 32-003, Engineering Technician, GS-802-5, PD No. 8123001, Code 3313 — This position is located at the Encounter Simulation Laboratory (ESL) in Corona, Calif. The ESL is responsible for implementing, testing, and evaluating advanced sensor systems...

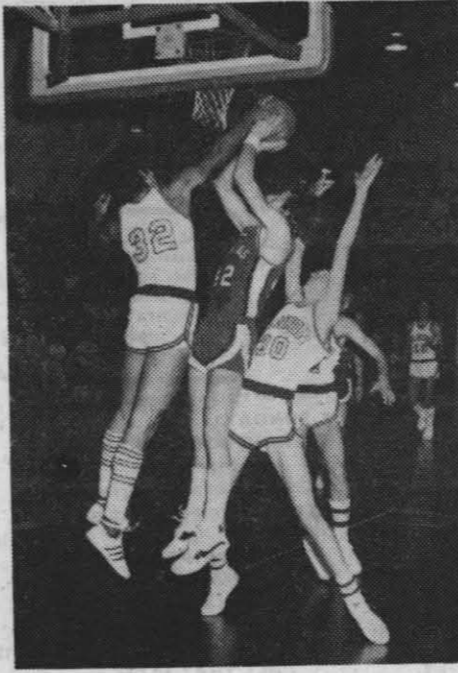
Announcement No. 34-001, Writer-Editor (Printed Media), GS-1082-5, PD No. 7924030, Code 3412 — The position is located in the Editing Branch, Publications Division, Technical Information Department. Incumbent edits manuscripts and writes and re-writes papers, articles, reports, etc. based on information gathered from a variety of sources...

PD No. 8042047N, Code 6202 — This position will be filled on either a full-time temporary or part-time permanent basis. The position provides clerical support to the office of the head of staff for the Range Department...



DIVINE SERVICES

Table listing various religious services including Protestant, Roman Catholic, and Jewish services with times and locations.



TOUGH INSIDE — Fernando Sanchez, lanky center for the Canyon Cowboys, made it tough going inside for the Burros' boys varsity cagers...

Burros win ...

(Continued from Page 6) game on ice with an 85-76 lead before Desoto scored.

Giving up the home court advantage to the Burros, the Canyon Cowboys played the two-time Golden League champs tough. The Cowboys led 17-16 at the end of the first quarter, but by halftime the lead had switched to Burroughs by the narrow margin of 38-36.

After three periods of play, the Burros' lead was 60-55, but the local varsity quintet had to pull out all the stops to gain a 72-72 tie in regulation playing time.

HIGH POINT MAN

Heyward, stellar center for BHS, was the game's leading scorer, with 27. He was ably backed up by Billy Brown's 21 points, 18 by Curtis Edmonson (who hit 14 in the first half), and by John Robertson, who chipped in 10.

The Canyon Cowboys had three players in the double-figure scoring column. They were Desoto (24), Jeff Hight (20), and Ridenour (18).

NEXT Golden League action for the Burroughs High boys' varsity basketball team will be tonight at the BHS gym, where the Burros will host their counterparts from Palmdale. A freshman game at 6:30 p.m. will precede the varsity tilt, which is scheduled to get underway at 8 o'clock.

4 ceramics classes to start next week; registration open

The Recreational Services Craft Center is offering a new series of classes to meet the needs of both beginning and advanced ceramics students.

A registration fee of \$10 for military and \$12 for civilians and dependents must be paid before the start of the class selected; students must also purchase their own supplies.

Students may register and pay their fees at either the Recreation Coordination Office or the Craft Center. Those who seek further information may telephone either NWC ext. 2942 or NWC ext. 3252.

Classes to be offered include: China painting, starting on Friday, Jan. 16, and held each Friday for six weeks from 5:30 to 7 p.m.

Beginners ceramics, starting Jan. 13 and 14, and held either Tuesday or Wednesday from 4:30 to 7 p.m. for 6 weeks.

Advanced ceramics, starting on Thursday, Jan. 15, and lasting six weeks. Class will be in session from 5:30 to 7 p.m. on Thursdays.

Noon-hour ceramics, starting Thursday, Jan. 15, and continuing on Thursdays for six weeks. This class is offered from 11:30 a.m. to 12:30 p.m.

Recreation Div. to raise some fees, cut services

Due to inflation of salaries and supplies, and the loss of some funding sources, the Recreation Division of the Recreational Services Department is taking two courses of action in order to keep services to its patrons at a bearable price.

This means that some facilities will be open fewer hours with less staff, and some may close completely. The emphasis of the Recreation Branch (Code 221) will be on programs that draw large participation and programs that can pay their expenses.

Code 221 will continue to receive around \$500,000 to pay for supplies, utilities, maintenance, and repair. However, staff and equipment must be paid from users' fees. At the present time, there is a requirement for more than \$100,000 in equipment that is needed to sustain operations...

Changes in fees and policies for 1981 are outlined as follows:

All current memberships will be honored until they expire, and there will be a few increases in military fees.

Adult Athletic Ass'n

Adult Athletic Association will include adult gym, racketball courts, tennis courts, weight room, indoor pool, sports participation, equipment checkout, steam room or sauna, and towel (with deposit). Membership does not include locker, team entry fees or skating center fees.

Intramural league ...

(Continued from Page 6)

Rusty Rivet tallied 10 points for F Troop. High scorers for the Panthers were Randy Sunday with 22 and Roy Kirk, who tallied 10.

In a pair of C Division tilts, the Floor Burners shot down the Supply Bombers, 44-20; and the CSC cagers wiped out the Pizza Villa Poochies 63-20.

Rick Fauto scored 14 of the 20 points for the Supply Bombers, but the Bombers were outmatched as they trailed 24-11 at the half and ended the game down by a total of 24 points. The high point man in this game was Dennis Edmondson of the Floor Burners with 18.

Top scorers for the CSC cagers in their lopsided win over the Pizza Villa Poochies were Dennis McKeen, with 18, and Carl Norlund and Faris Banik, who tallied 14 points each. CSC increased its 31-18 halftime lead to 63-20 at the final buzzer as they held their opponents to just 2 points in the second half.

Promotional Opportunities

(Continued from Page 2)

preparation of official correspondence; receiving information telephone calls and mail; timekeeping; maintaining files. Applications will be accepted from all status eligibles and appointment eligibles. Job Relevant Criteria: Must be a proficient typist; knowledge of the Center's clerical procedures; ability to deal with administrative and clerical procedures. Previous applicant need not reapply.

Announcement No. 62015, Supervisory Electronics Technician, GS-854-12, PD No. 8162002E, Code 6213 — Position is that of head, Instrumentation Branch, Ordnance Test & Evaluation Division, Range Department. Incumbent will supervise 6 to 7 technicians and engineers in the development, design, repair, installation and maintenance of calibration and data acquisition equipment. Job Relevant Criteria: Ability to technically and administratively direct a small group effectively; ability to devise and develop new instrumentation, equipment and testing techniques; knowledge of equipment used in the propellant and explosive processing areas, propagation, and environmental test areas; demonstrated support of the Center's EEO program.

Announcement No. 0815, Budget Technician, GS-501-4, PD No. 7708019N, Code 0822 — This position is located in the Office of Finance and Management, Budget Division. Incumbent prepares continuous on-site financial staff clarifies financial system requirements to administrators of the department served; prepares special reports on financial expenditures and assures accuracy of all charges to department served. Job Relevant Criteria: Knowledge of Navy and NWC budgeting and accounting procedures; ability to exercise fact and good judgement; and ability to work under pressure. Promotion potential to GS-7.

Announcement No. 0816, Budget Analyst, GS-540-5/7, PD No. 7708037N, Code 083, (two vacancies) — These positions are located in RMA Branches A & B, Budget Division, Office of Finance and Management. The incumbent provides services to one or more of NWC's operating departments, including guidance of financial staff. Incumbent is responsible for all phases of budget execution, formulation, control and monitoring of direct, overhead, and capital budgets. Job Relevant Criteria: Ability to gather and analyze raw financial data; ability to prepare

Categories of membership include active duty military, military dependents (all ranks), retired military, Reservists, DoD civilians, retired DoD civilians, non-DoD civilians, senior citizens (non-DoD) and DoD transients. Daily or yearly fees are available for all categories.

Active duty military are free of charge, while their dependents pay \$5 - \$10 per year depending on the number of family members (this is not an increase from last year). Other annual memberships for adults and their dependents are \$30-\$60 for retired military and reservists; \$45-\$90 for DoD civilians; and \$40-\$80 for retired DoD civilians.

Non-DoD civilians may purchase memberships if available for the gym (\$45-\$85); indoor pool (\$45-\$85); or the tennis courts (\$25-\$45), if they become members of the China Lake Tennis Club.

Daily gym / pool use is \$1 for adults and 50 cents for children.

For those interested only in sports activities who do not wish to use the gym, cards are available for each individual sport at a cost of \$8-\$18 per sport.

Towel tokens will be made available to all Athletic Association members for a \$1 deposit. This token is exchanged daily for a towel, and may be used throughout the year with no additional charge. Yearly locker rentals run from \$6-\$20, which is the same as last year.

Youth Fees This year fees for youth (6-17 and in school) will be divided into the following groups:

Athletic Association Fees: Includes the indoor pool, tennis courts and adult gym (16-17, unless accompanied at all times by an adult). Fees run yearly from \$6-\$15 for all dependents of active and retired military and reservists, \$9-\$22 for DoD civilian youth. Non-DoD youth will pay \$12 for tennis, \$15 for indoor pool, \$15 for gym (if 16-17 years old).

Youth Sports Registration: \$10-\$18 for the entire year depending on the number of family members. This fee will cover any and all sports played during the year. This fee does not include additional costs for referees, trophies, or uniforms.

Skating Rink/Youth Center: No memberships will be required for use of this facility. A fee of 50 cents per day will be assessed to all users of this facility except active duty military, plus skate rental fees of 50 cents per session. Adult spectators and baby sitters who do not skate, as well as basketball participants, will not be charged.

Skating admission cards will be available for 15 admissions at \$7.50 and may be used for birthday presents.

Auto Hobby Shop: This facility is available to active duty military personnel, their dependents, and Reservists. Yearly memberships will be discontinued and hourly or daily fees will be paid by all eligible participants. Those who currently have yearly memberships will be exempt from paying daily stall fees until their memberships expire. Equipment available for use at an hourly or daily fee includes electric and acetylene welding gear, engine diagnostic machine, sandblaster, steam cleaner, hoists, wheel balancer, etc. Hand tools and parts cleaning bath are available with stall use. There are no increased fees from last year.

Hobby/Crafts Complex. (Ceramics, Woodworking, General Hobbies): Available to military, DoD civilians, non-DoD civilians, Reservists and dependents for general use and classes. Yearly memberships will be discontinued. Shop use will run from 50 cents per hour to \$2 per day and special tools such as dremel tools, air brush, leather crafts set, electronic testing equipment will cost 50 cents per hour to \$2 per day.

Camping Equipment Check-Out: Available to all military, DoD civilians, reservists, and their dependents. Minor fee increases for equipment (10-15 cents for DoD civilians use). Priority is given to active duty military for use of boats and camping trailers on 3 day weekends, others may reserve within 72 hours prior to 3 day weekends. Horse trailer is now available daily.

Bowling: Open bowling fee to be raised Feb. 1, 1981, to 85 cents for DoD civilians and will remain 65 cents for juniors. League fees will be increased to the same rates effective in May after the current league year is completed.

Stables: \$12 per year—no increase. Skeeet and Trap: \$1 per round for club members; \$1.50 per round for non-members; yearly membership, \$6—no increase from last year.

Facility Rental Fees: Raised 50 cents to \$1 per hour. Special rates for low use and high use times. Special rates for half-day and full day.

A complete schedule of new fees is posted in each recreation facility and individual copies will be available at the Recreation Coordination Office. For additional information, or answers to questions, call Bob Huey, head of the Recreation Division, at NWC ext. 3388.

clear and concise written communications; ability to make effective oral presentations; ability to deal tactfully and effectively with others. Applications will be accepted from status eligibles. Promotion potential to GS-11.

Announcement No. 1203, Secretary (Typing), GS-318-4/5, PD No. 7512013N, Code 127 — This position is located in the Weapons Planning Group and reports to the Program Director for Warfare Analysis Studies. Major duties include receiving visitors, telephone calls and mail; typing official correspondence, travel orders, security clearances and itineraries; scheduling conferences and meetings; and maintaining supervisor's calendar and files. Job Relevant Criteria: Must be a proficient typist; knowledge of Center Technical Report formatting and procedures; ability to deal with a wide variety of clerical and administrative procedures. Previous applicants need not reapply.

Announcement No. 24022, Lead Firefighter, GS-881-4, PD No. 7824035, Code 242 — This position is located in the Fire Division of the Safety and Security Department. Incumbent is crew chief of the major piece of motorized fire fighting apparatus and its crew. Duties include answering fire alarms; instructing crew in operation of fire equipment and all phases of fire fighting and directing fighting of fires in absence of high authority. Job Relevant Criteria: Knowledge of fire prevention practices and ability to supervise and conduct inspections and identify fire hazards; ability to communicate with others effectively both orally and in writing in working out solutions to problems or questions relating to the work; potential to motivate, train, and work effectively with subordinates who have a variety of backgrounds and training; ability to plan own work and carry out assignments effectively; demonstrated potential ability to plan initial attack including rescue and the efficient control and extinguishments of fires; knowledge of locations (streets, water distribution, alarm/detection systems, building contents/layouts, etc.). This announcement will be used to establish the promotional register for Supervisory Firefighter, GS-081-6, which will remain in effect until July 1981.

Announcement No. 25-032, Mail and File Clerk, GS-305-3/4, Clerk Typist, GS-303-3/4, PD No. 7825031N, Code 2513 — This position is located in the Planning and Administrative Division, Administrative Branch in the Supply Department. Incumbent's duties are to receive, review and distribute all correspondence and/or in-

formation (classified and unclassified) routed to or from the Supply Department; maintain library and central files; provides duplicating services; controls records disposal program, provides mail delivery service, maintains and controls voluminous distribution lists for all types of Supply publications, catalogs and manuals for the supply Department and all departments on Center. Maintains Delegation of Authority files for the department. Performs typing duties as required. Job Relevant Criteria: Knowledge of Navy filing procedures; ability to comprehend a variety of documents to be identified, categorized and distributed; ability to meet and deal effectively with others. Applications accepted from status-eligibles.

Announcement No. 62012, Secretary (Typing), GS-318-4/5, PD No. 8042081N, Code 6204 — This is a temporary position which will be filled for one year. The position serves as secretary to the head, Range Control Center Program Office. Major duties include receiving visitors, mail and telephone calls; maintaining the supervisor's calendar; scheduling travel and conferences; typing of official correspondence and travel orders; providing office services for the RCC office staff. Applications from status and appointment eligibles will be accepted. Job Relevant Criteria: Must be a proficient typist; knowledge of the center's clerical procedures; ability to deal with a variety of administrative and clerical procedures.

Announcement No. 62014, Supervisory Engineering Technician, GS-802-12, PD No. 8042082E, Code 6211 — This position is head of the Mechanical/Ordnance Support Section (Code 62117). Ballistics Test Branch, Ordnance Test & Evaluation Division, Range Department. Incumbent will provide technical and administrative direction to ordnance mechanics and engineering technicians. The section is responsible for setting up propulsion and related static ordnance tests throughout the general Skytest area. Also, members of the section are involved in the repair and modification of test fixtures, hardware, and support equipment. Job Relevant Criteria: Ability to technically and administratively direct a workforce in an effective manner; comprehensive knowledge/understanding of field trades and materials; ability to work with personnel at all levels; ability to safely direct test operations involving live ordnance; demonstrated support of the Center's EEO program.



Results reported of intramural league basketball games

Due to work that was being done on the resurfacing of the floor at the Center gym just five Intramural Basketball League games were played during the week prior to the Christmas-New Year's Day break.

One Division A tilt resulted in a 51-35 win by Charlon and Simolon over the KMCC Piranhas. The victors got off to a 27-16 halftime lead and then outscored the Piranhas 24-19 in the final 15 minutes of play to win by a final margin of 16 points.

Mason Bazemore and Scott Robbins scored 11 points each for Charlon and Simolon, but the game's high point man was Jerry Pangle, of the Piranhas, with 12.

In the only other Division A game scheduled, the Loewen's A team could muster just four players and was declared the loser by forfeit to Desert Lakes.

In Division B action, the Loewen's B hoopsters demolished the NWC Firefighters 72-59, and F Troop waltzed to a 71-50 win over the Panthers, another all-military squad.

The Loewen's B team was led by Mel Miles, who hit 17 points, and was assisted in the scoring department by Ken Dorrell and Garyl Smith, who tallied 12 and 10 points, respectively. Jim Jackson scored 10 of the 29 points for the Firefighters.

After jumping off to a 33-12 halftime lead, the Loewen's B team ripped the net for another 39 points in the second half to win, going away, by a final margin of 43 points in the 30-min. contest.

High point man once again for F Troop in its win over the Panthers was Joe Esparza, who pumped in 30 points. It was a close game with F Troop leading by just a single point (25-24) at the half, but in the final 15 min. of play, the Troopers found the range and pulled away to a win by 19 points.

(Continued on Page 7)

Triangle Mobile Homes team boosts lead to 11 games

A three-game sweep by the Triangle Mobile Homes keglers over Clancey's Claim Co. enabled the TMH bowlers to increase their lead to 11 games over their nearest rivals during Monday night's Premier (scratch) League action at Hall Memorial Lanes.

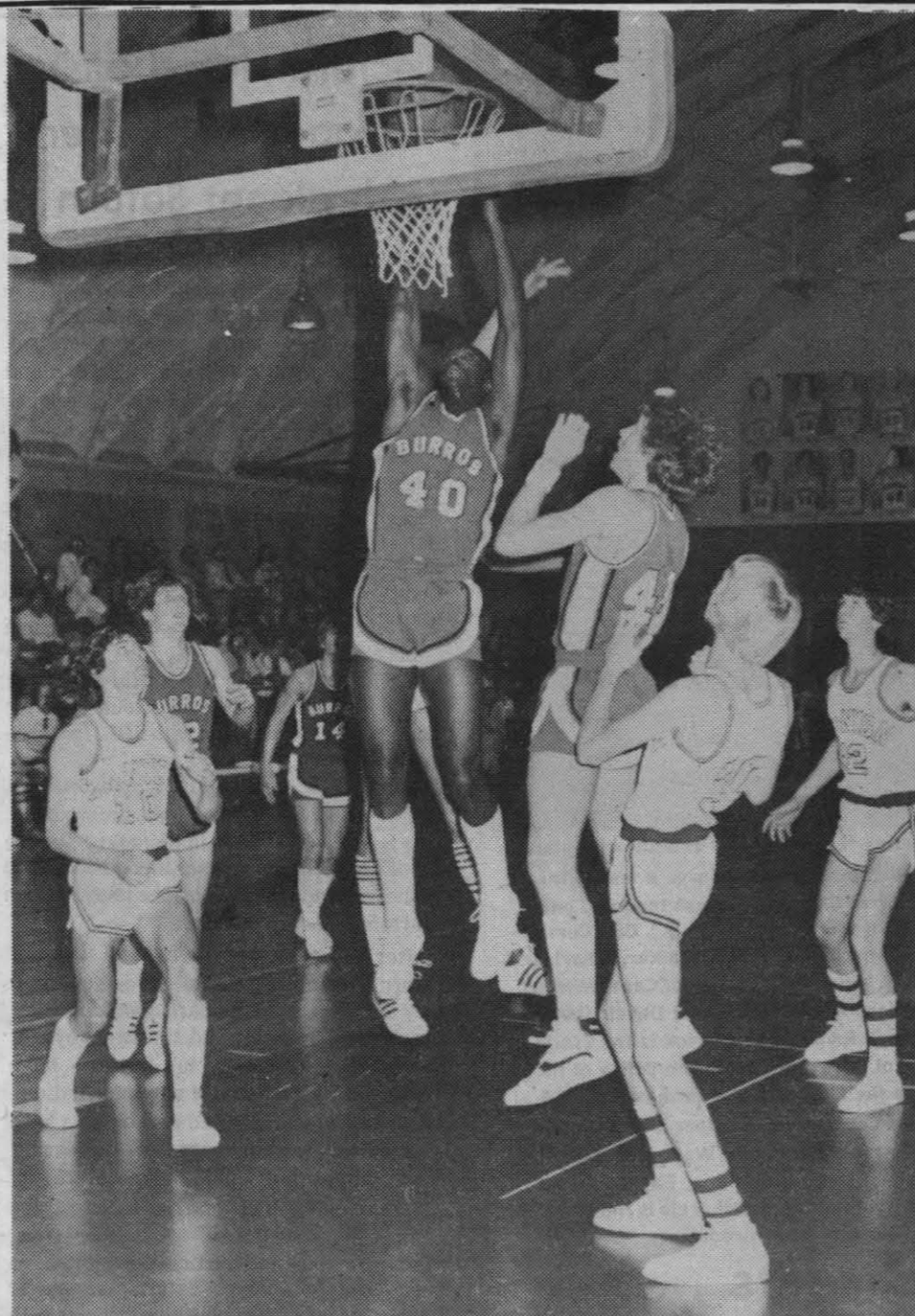
The league leaders were in charge for the evening as they also posted the evening's high team game with a score of 1,067, and rolled the high team series—a total of 3,040.

Two teams—Buggy Bath and Fisher Plastering—are now tied for second place with records of 29 wins and 22 losses, compared to the 40-11 mark of Triangle Mobile Homes.

Loy Espiritu was the evening's outstanding individual bowler. He rolled a triple 200 series of 644 that was built on single game totals of 214, 243, and 207. Another triple 200 series was turned in by Mike Dowd, who had a 624 with games of 202, 201, and 221.

Five other Premier League bowlers topped the 600 series mark. They are Warren Turnbaugh (639), Ernie Lanterman (627), Bob Vorwerk (616), Jim Bowen (610), and Kim Duckett (604).

In addition to Espiritu and Dowd, those with single game scores in excess of 220 were Turnbaugh (245), Bowen (237), Lanterman (232 and 227), Vorwerk (234), Dick Bauers (229), George Wilmot (225), John Therning (223), and Dave Vander Houwen (222).



THE BIG DIPPER — Dalton Heyward, high point man for the Burroughs High boys' varsity basketball team, chalks up 2 of his 27 points in the Burros' exciting 85-78 win over the Canyon Cowboys. Looking for a possible rebound is John Robertson, of Burroughs' who has the inside position on Dennis Barrett (No. 30) of the Cowboys. —Photo by Don Cornelius

Burros cagers open '81 league season with win over Canyon

The 1981 Golden League basketball season got off to a rousing start Tuesday night at the Burroughs High School gym, where the boys' varsity team rolled to an 85-78 win in overtime against the Canyon High Cowboys. The game was a toss-up from start to finish during regulation playing time, with no more than 5 points separating the two teams at any time.

To their credit, the Cowboys refused to let the defending Golden League champs from Burroughs build up any kind of a substantial

Clinic slated on playing position of soccer team goalie

Young soccer players interested in learning more about playing the position of goalie are invited to attend a special clinic that will be held tomorrow, starting at 10 a.m., at the Burroughs High School football field.

Through arrangements made by the China Lake Soccer Club, Robert LaCavalier, a former all-Quebec (Canada) youth goalie, will be here to conduct the clinic.

The instruction session is open to local youngsters who are serious about their desire to improve upon their skills in playing the goalie position on a soccer team. Adult coaches of local soccer teams also are invited to attend.

Regular off-season practice sessions for those interested in sharpening their ability as soccer players will be resumed on Saturday, Jan. 17. Practice for seventh through ninth graders will begin at 9 a.m., while fifth and sixth graders are to turn out at 10:30 a.m.

lead, as they hit a good percentage of their shots from outside, as well as in close under the basket.

What little momentum in favor of either team that could be detected seemed to shift momentarily to the Canyon Cowboys in the final 4 minutes of the fourth quarter, when the visitors, who trailed throughout the second half, took a brief 65-64 lead.

During the pressure-packed time remaining to play in the final period, the lead changed hands six times. The Cowboys had a chance at the 1 minute mark to go ahead by 3, but missed the second half of a 1-and-1 penalty shot parlay from the free throw line.

The Burros then trailed 70-72 but, after calling a time out with 29 sec. showing on the scoreboard clock, worked the ball in to Dalton Heyward, who hit a short jumper from inside the lane to knot the count at 72-72.

The Burros still had a chance to win the game in regulation playing time, but a missed free throw with just 2 sec. left to play sent the game into overtime. In the 3-minute overtime period, the Burros literally blew the Canyon Cowboys off the court. Cool, accurate shooting by Dalton Heyward contributed 6 points; Danny Drake managed to steal the ball and score two field goals, and Billy Brown cranked another 2-pointer on a fast break. Drake, who was fouled scoring his second field goal of the overtime period, also cashed in on the charity toss that followed.

During the overtime, the Cowboys were limited to one field goal each by Fernando Sanchez, Todd Ridenour, and Roman Desoto — the last one a gift in the final 10 sec. of play as the Burros already had the

(Continued on Page 7)

NWC varsity team loses to hoopsters from Edwards AFB

The Naval Weapons Center varsity basketball team, coached by John Smith, started off the new year with an 83-66 loss to the Edwards Air Force Base Rattlers in a game played last Saturday at the NWC gym.

The hoopsters from Edwards were invited here for the game on Jan. 3 when the Camp Pendleton Marines couldn't make it to China Lake for a pair of previously scheduled contests on the evening of Jan. 2 and afternoon of Jan. 3.

Next action for the NWC varsity cagers will be tomorrow afternoon at the Miramar Naval Air Station in San Diego.

The players for both NWC and Edwards showed the effects of holiday period inaction and lack of practice in the game played here on Jan. 3.

The score was tied a half dozen times and the lead (seldom more than 2 points) bounced back and forth between the two teams until midway through the first half when a slam dunk by Tom Schneeberger gave the Rattlers a 5-point edge of 21-16.

Both teams battled on even terms for the remainder of the first 20 min. of play. The China Lakers tied the score at 21-21 and trailed by just 1 (28-29) in the final minutes before the end of the first half, which came to a close with the Edwards AFB team out in front by a score of 35-30.

Skip McIntosh kept the China Lakers in the game with 11 points in the first half, while Schneeberger of Edwards was close on his heels with 10.

Schneeberger opened the second half with a basket for the Rattlers, who proceeded to pull away steadily for the remainder of the game. Midway through the second half, the visitors held a 14-point lead of 61-47 that was increased to a 17-point margin of 83-66 at the final buzzer.

With 10 minutes left to play in the game, the Rattlers put the contest on ice by rattling the hoop with a barrage of eight straight unanswered points that boosted their lead to 20 points (69-49), and it was a downhill pull for the visitors from that time until the end of the game.

High point honors were shared by McIntosh, stellar guard for the NWC team, and Schneeberger, of the Rattlers, who both tallied 23 points. In addition, Millard Bell and Kent Daniels scored 17 and 11 points, respectively, for the China Lakers, while Michael Hector looped in 12 points for the Edwards AFB team.

Plans announced for Commander's Cup racquetball tourney

Plans are shaping up for the next Commander's Cup athletic competition event—a racquetball tournament for teams: representing NWC Gold, NWC Blue and VX-5.

This event is scheduled on the evenings of Jan. 27, 28 and 29, and prospective participants are urged to begin preparing now for entering the racquetball competition.

Military personnel interested in taking part in the racquetball tourney are asked to contact their team representatives who are: Ens. Ken Dorrell, for NWC Gold, call 3411, ext. 243; AE3 Chris Long, for NWC Blue, phone NWC ext. 5478; and Ltjg. G. L. Pritchard, for VX-5, phone NWC ext. 5273.

The tourney schedule calls for games at the Center's racquetball courts at 5, 6 and 7 p.m. In the first matches on Jan. 27, it will be VX-5 vs. NWC Gold, and VX-5 and NWC Blue players will tangle on Jan. 28. In the tourney finale, players representing NWC Gold and NWC Blue will vie on Jan. 29.

One Navy woman must be included on the playing roster of each racquetball team.

Energy conservation tip

Remove unnecessary weight from the car. The lighter the car, the less gas it uses. An extra 100 pounds decreases fuel economy about 1 percent for the average car, 1 1/4 percent for small cars.



Bart Immings

Immings takes over duties of China Lake police chief

Bart Immings, a veteran of 20 years of service in the Marine Corps during which time he rose from the ranks of enlisted personnel to become a captain, is the new chief of police at China Lake—filling a vacancy left by the departure of Ronald D. Nelson this past summer.

Police Chief Immings began his new duties here on Dec. 18—leaving a post as Safety and Security Director with the Owens Corning Fiberglas Co. in Santa Clara, Calif., to come to the desert with his wife Myra, who has been hired as an architect in the NWC Public Works Department.

Immings, who is originally from Aplington, Iowa, enlisted in the Marine Corps in July 1958 while living in Iowa, and began a career that involved him extensively in law enforcement work both as an enlisted man and an officer.

ATTENDED FBI ACADEMY

While in the Marine Corps he attended junior colleges in Albany, Ga., and San Jose, Calif., as well as San Jose State University. His specialized training in law enforcement work included attending the Federal Bureau of Investigation (FBI) National Academy, the Naval Investigative Service (NIS) Special Agent Course, the Orange County (California) Peace Officers' Academy, the Naval Justice School, and a number of other civilian and military law enforcement courses.

Immings served 8 of his 20 years in the Marines at the Marine Corps Air Station (El Toro) in Santa Ana, Calif., and first became acclimated to living on the desert while stationed at the Marine Corps Supply Center in Barstow, where he received his commission as a warrant officer in 1972.

All of the prior law enforcement training received by Police Chief Immings came in handy during the Vietnam War, when he served a tour of duty (1969-70) as Officer-in-Charge of the Criminal Investigation Division in DaNang.

Immings' retirement from the Marine Corps in 1978 was followed by his work with Owens Corning Fiberglas in Santa Clara prior to moving to China Lake.

Police Chief Immings has eight children and two grandchildren.

Workmen getting air coolers ready for use

Employees in the Air Conditioning Shop of the Public Works Department are now in the process of getting air conditioning equipment in family housing units ready for use when needed during the spring and summer months.

In most cases it will not be necessary to enter homes to check thermostats, since this can be done in the equipment rooms that house the air coolers.

This work will be continuing for the next two to three months. Tenants with questions about work that is needed to put their air coolers in operation are asked to call Bob Hooper at 939-3411, ext. 277.

Mandated 10% cut in energy use met by Navy Laboratories

The dramatic drop in energy use by the Naval Weapons Center from the base year of 1975 (a total 23.2 percent for industrial use) has enabled the Navy Laboratories as a group to meet the mandated 10 percent reduction of energy usage by the end of 1980.

NWC, as the largest of the Navy's R&D laboratories, consumes approximately 27.3 percent of the energy used by the laboratories. Consumption by the other six laboratories includes: Naval Underwater Systems Center, 20.7 percent; Naval Surface Weapons Center, 17.8 percent; David Taylor Naval Ship Research and Development Center, 13.1 percent; Naval Ocean Systems Center, 9.5 percent; Naval Air Development Center, 8.9 percent; and Naval Coastal Systems Center, 2.7 percent.

Without the NWC contribution, the overall laboratory community average energy consumption is down only 7.3 percent; when NWC is averaged in, the laboratory community has dropped 15.7 percent overall.

The dramatic success in energy conservation at NWC is generally attributed to a combination of strong top management support and the concerned awareness of all NWC personnel.

Technical Director Award . . .

(Continued from Page 1)

formulations. Recently, it was added by Dr. Joyner, Dr. Yee has scaled up the apparatus, investigated process parameters, demonstrated continuous operation, and produced sufficient quantities of purified TATB for the initiation of research aimed at practical cast explosives.

Dr. Yee, who has the responsibility for the operation, maintenance and upgrading of one of the Ordnance Systems Department's major laboratory buildings and its equipment, also is carrying out research on new binder systems that may improve the safety and reliability of formulations made with either conventional or new explosives.

The latest recipient of the NWC Technical

Housing rental rates to go up effective Feb. 1

Information on the annual adjustment in civilian shelter charges for Naval Weapons Center housing facilities has been received from the Western Division of the Naval Facilities Engineering Command in San Bruno, Calif.

The new shelter charges that will be in effect during 1981 (commencing on Feb. 1) are the result of the increase in the annual Consumer Price Index. The increase will be an average of 8.9 percent.

The increase affects shelter portions of the rent only, since the utility portion has just been adjusted and became effective on Jan. 1, 1981.

Active duty military personnel assigned to public quarters for which Basic Allowance for Quarters (BAQ) is deducted are not affected by this change in rental charges.

New rental rates effective Feb. 1

Type	Shelter Rent	Utilities	Total
SOQ (4)	\$597.90	\$154.80	\$752.70
SSQ Sage (3)	374.70	175.20	549.90
Sierra (4)	346.20	170.10	516.30
Coso (3)	385.50	124.50	510.00
Panamint (4)	369.30	124.50	493.80
Panamint (3)	352.80	113.10	465.90
JOQ (Rear Terrace) (3)	342.70	117.60	460.30
JOQ (Front Terrace) (3)	325.80	113.70	439.50
JOQ (Front Terrace) 1 Bath (3)	325.80	113.70	439.50
JOQ (Rear Terrace) (2)	284.00	122.60	406.60
MOQ (3)	225.20	122.60	347.80
Hill Duplex (3)	292.50	101.10	393.60
Hill Duplex (2)	238.50	94.50	333.00
Wasp Circle (3)	276.40	134.40	410.80
Joshua (4)	331.50	116.40	447.90
MOQ Apartment (1) (with Grounds Maintenance)	320.10	108.60	428.70
Tamarisk (3) (Convertible)	27.60	104.70	132.30
Juniper (3)	303.90	104.70	408.60
Old Duplex (3)	252.90	100.50	353.40
Old Duplex (2) (Dining Addition)	242.10	94.80	336.90
Old Duplex (2)	211.20	91.80	303.00
Old Duplex (1)	144.30	64.80	209.10
Motel Apartment (1) (with Grounds Maintenance)	195.90	41.10	237.00
Motel Apartment (1) (without Grounds Maintenance)	183.50	41.10	224.60
Motel Apartment (6) (with Grounds Maintenance)	168.90	36.60	205.50
Motel Apartment (6) (without Grounds Maintenance)	136.20	36.60	172.80
Old Apartment (3)	205.80	95.40	301.20
Old Apartment (2)	167.70	76.20	243.90
Old Apartment (1)	147.00	45.60	192.60
Mobile Home Space	27.60	60.90	88.50
Dormitory Single with Private Bath	136.20	27.30	163.50
Single with Semi-Private Bath	108.60	27.30	135.90
Double with Semi-Private Bath	81.40	27.30	108.70
Dormitory Apartment	168.90	36.60	205.50



Capt. William B. Haff

Capt. Haff to speak at annual business outlook conference

Capt. William B. Haff, NWC Commander, will be the opening speaker at the 23rd annual Kern County Business Outlook Conference to be held next Wednesday at the Bakersfield Civic Auditorium in Bakersfield.

The topic of his talk is "The Navy and Kern County: Partners in Energy."

An overflow crowd of more than 1,900 people is expected at this prestigious conference where business and industry leaders explore the county's economic prospects for the upcoming year and decade.

Maj. Gen. Philip J. Conley, Jr., Commander of the Air Force Flight Test Center, Edwards Air Force Base, joins Capt. Haff as the other military speaker on the panel of 10 speakers. He will discuss the outlook for the Flight Test Center.

KEYNOTE SPEAKER

The keynote address during the luncheon session will be given by John R. Grey, president and director of the Standard Oil Company of California; his topic is "Energy Outlook in the '80s."

Other speakers include Conrad C. Jamison, vice president and economist at the Security Pacific National Bank; James L. Burke, president and owner of Jim Burke Ford; William H. Park, president, Environmental Protection Corporation, and owner of a geological consulting service; William L. Pereira, a world-renowned architect and planner; Martin J. Zaninovich, vice president of Jasmine Vineyards, Inc.; Larry J. Kimbell, associate professor of Business Economics at the Graduate School of Management of UCLA; and Jim Tunney, head referee of the National Football League.

Fed' blue collar workers due 2 pay increases in FY81

Federal blue collar workers can expect to receive two pay increases in Fiscal Year 1981.

As of Oct. 1, 1980 a "catch-up" pay raise became effective for wage employees covered by appropriated and non-appropriated fund wage schedules.

Under Public Law 96-369 the increase is limited to 75 percent of the difference between last year's 7 percent pay ceiling and the rates payable had there been no ceiling.

In addition, wage earners will also get a regular annual pay increase based on approximately 140 local wage surveys conducted by primary blue collar employers in various geographic areas in the U.S.

Totaled, the two pay increases cannot exceed 9.1 percent, though some increases will be less than the maximum.

Blue collar workers will get the regular pay raise at their normally-scheduled times during FY 81.

Centerwide safety, health review will be held Mon., Tues.

A Centerwide safety and health review will be conducted on Monday and Tuesday.

For all personnel other than aviators and range personnel, this review will be conducted on Monday. It will be continued on Tuesday for all aviators and range personnel, as appropriate.

The purpose of the review is to enhance the safety and health posture of the Naval Weapons Center, and to assess the adequacy of the various safety and health policies, regulations, and general procedures in order to strengthen and improve their effectiveness.

On one or the other of these two days, all departments will observe a stand down from operations in order to review safety and health policies, regulations, general procedures, and practices.

In addition, it is intended that this period be used to discuss related internal problems and to propose corrective action. Special emphasis is to be given to responsibility for operational safety and proper attitudes.

Active participation by all levels of management will re-emphasize to all employees the importance that is placed on safety and health by the NWC Command, and the Command's commitment to the principle that the safety and well being of all NWC personnel are paramount in the conduct of operations at the Center.

Memoranda are to be submitted by all departments to the Safety Office, Code 2405, on the participation in and activities accomplished during this safety and health review.

Goals for '81 to be aired at FEW breakfast meeting

A special treat is in store for members of Federally Employed Women and others who choose to join them for a special breakfast meeting to be held tomorrow morning at the Ridgecrest Bowl Banquet Room at 117 E. Ridgecrest Blvd. in Ridgecrest.

Breakfast will be served at 8 a.m., with a discussion led by Elizabeth Lane, Administrative Librarian at the Naval Base, San Diego, and FEW Regional Representative, to start at 9.

The discussion will center on FEW goals for 1981; impact of the new administration on pay reform, Universal Social Security Coverage, child care, ERA, and contracting out; and on what is being done about sexism in books and how books are chosen for Navy libraries.

Those who wish to come for breakfast as well as the discussion must make reservations by telephoning Joann Kovaleski at NWC ext. 3782 or Wanda Clark at NWC ext. 3361, promptly. Anyone who wishes just to attend the discussion does not need to make reservations.

'Clinical Hypnosis' seminar slated at Ridgecrest Hospital

A two-day seminar on "Clinical Hypnosis for the Health Professional" will be offered at the Ridgecrest Community Hospital conference room on Jan. 23 and 24.

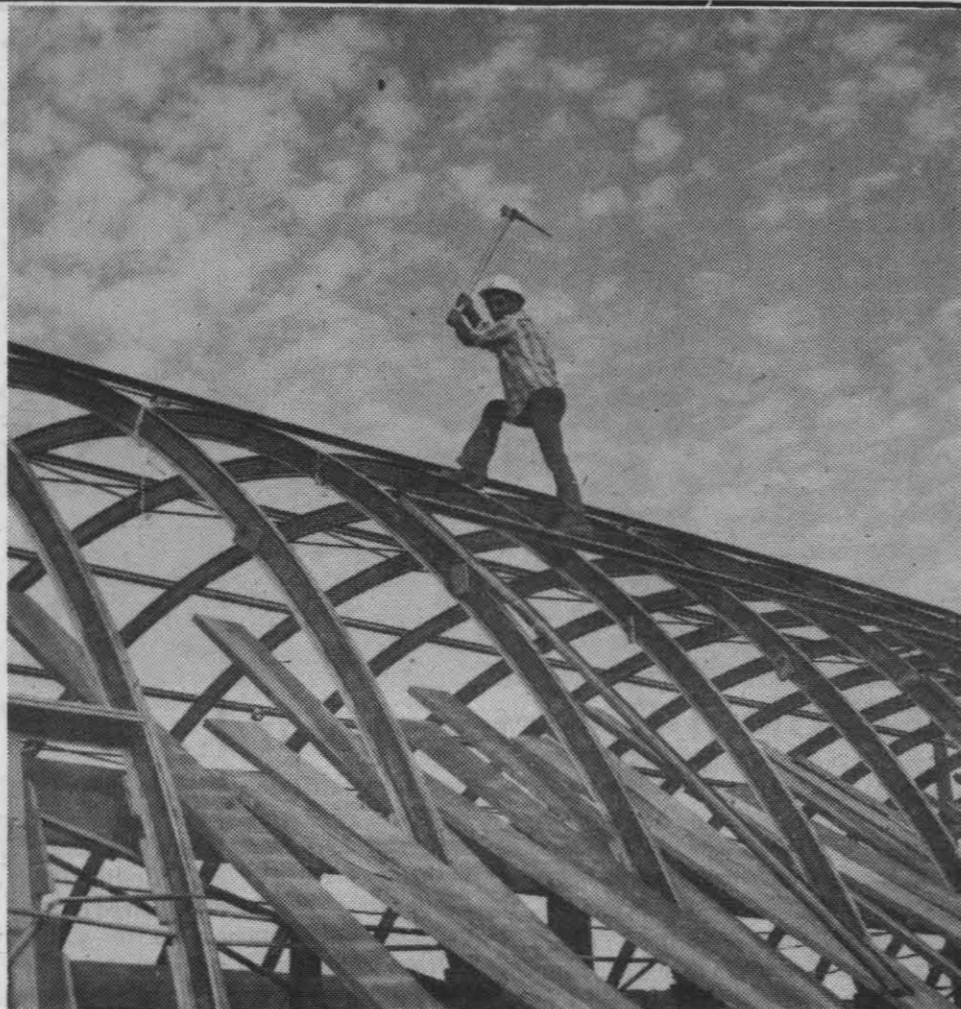
The seminar will be conducted by Janet Bilas, a hypnotherapist, who will discuss using hypnosis as a therapeutic tool in clinical settings.

Fee for this Cal State Bakersfield class is \$40; the class offers 10 hours of continuing education recense credit for registered and licensed vocational nurses, and one quarter unit upper division credit or one continuing education unit in psychology.

Those wishing to enroll should contact the CSB Division of Extended Studies by calling (805) 833-2207 before the close of business on Friday, Jan. 16.

AFGE to meet Monday

The American Federation of Government Employees, Local 1781, will hold its regular monthly meeting on Monday at 7 p.m. at 65-B Halsey Ave., China Lake.



ONLY MEMORIES LEFT — Early timers at China Lake might have shed a turtive tear as two more of the buildings dating back to the early days of the Center are reduced to a few splinters and dust. A workman from Pratt Equipment Co. of San Juan Capistrano, Calif., loosens one of the remaining steel girders from the building that finished life as a Navy Exchange warehouse. In its earlier years, this building served as a social center, "The Anchorage," before the Community Center was built.

—Photo by PHAN Mark Reinhard

4 month period of enrollment in DEERS to begin here Jan. 15

An intensive four month enrollment period in the new Defense Enrollment Eligibility Reporting System (DEERS) will get underway here, as well as throughout southern California, Arizona, and Nevada, on Jan. 15.

DEERS is a computerized system of registering active duty and retired military personnel, their dependents and survivors. When fully implemented it will be used to verify eligibility for health care and other military benefits—both direct care in military facilities and care from civilian sources under the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS).

This new Department of Defense program involves members and dependents of the seven uniformed services — Army, Navy, Air Force, Marine Corps, Coast Guard, Public Health Service, and the National Oceanic and Atmospheric Administration.

DEERS has two goals. The first is to improve uniformed health care services by reducing fraudulent abuse within the military medical and health care facilities.

SECOND GOAL OF DEERS
The second goal of DEERS is to determine health care needs of a particular area. (How many doctors and nurses will be needed at a particular hospital? Where should medical facilities be located?)

Active duty military personnel will be enrolled automatically. However, it is their responsibility to enroll their dependents. Retirees and known survivors of deceased military personnel will receive letters from the Department of Defense on how to enroll.

At the time of enrollment, proof of relationship to sponsor will be required. In the early stages of DEERS, no one will be refused health care as a result of their eligibility not being confirmed by DEERS.

However, if a person is later proven to be ineligible for military health care, administrative and/or legal action may be taken to require payment for medical services rendered.

When DEERS registration is complete, military members, dependents and retirees seeking medical service from a uniformed service health facility will have their eligibility quickly verified through a telephone-computer link through centers in

Monterey, Calif., and Alexandria, Va., each time they visit a facility. Normally this will take no more time than that currently required for credit card checks.

Eventually, approximately nine million beneficiaries will be enrolled in the system and their eligibility for CHAMPUS benefits will be verifiable through telephone hookups with DEERS computer banks.

CHAMPUS officials say that the DEERS integration into CHAMPUS claims processing will not interfere with the timeliness of the claim processing. Combined with CHAMPUS, DEERS is expected to reduce the number of claims that have to be returned because of inaccurate or inadequate eligibility information.

Graduate level class in mech. engineering to begin on Jan. 15

A graduate-level mechanical engineering class, ME 222, Compressible Fluid Mechanics, will be offered on-Center starting Thursday, Jan. 15, and running each Thursday until March 19.

The 30-hour class will be taught at the Training Center from 10 to 11:30 a.m. and 1 to 2 p.m. each week by Dr. Roy ("Scotty") Hickman, chairman of the Mechanical Engineering Department at the University of California Santa Barbara.

The course work will include a review of thermodynamics; waves in supersonic flow; flow in ducts and wind tunnels; frictionless flow and small perturbations theory; similarity rules, theory of characteristics; and introduction to physical gas dynamics.

The textbook for the course will be sold at the first class meeting.

Anyone who has any questions about registration for the class or has any questions about the graduate mechanical engineering program may telephone Vicki Munro at NWC ext. 2359.

Reduction goal exceeded

Full-time permanent employment in the federal government had dropped 23,775 as of August 1980. This exceeds President Jimmy Carter's partial freeze reduction goal of 20,000 by Oct. 1, 1980.

Eva Bien returns to Personnel Dept. after 18 mos. at SRI

Eva Bien, who served as Civilian Personnel Officer at NWC from December 1975 until July 1979, has returned to that position. She has been on a leave of absence for the past 18 months, during which she was vice president of human resources at SRI International, Menlo Park, Calif.

AT SRI International (formerly Stanford Research Institute), she was in charge not only of personnel functions, but also health, safety, affirmative action, and internal communications.

Dr. William Miller, president of SRI, noted that "In her brief tenure at SRI, Eva has done an outstanding job in developing the broad spectrum of human resources and personnel services. Our personnel management advising and career development programs for employees are in a large part the result of her work here."

Ms. Bien says that she found that the people and organization problems in private industry were not that different from government, but the methods and processes varied.

SRI is a multi-disciplinary research and consulting organization. The main office is in Menlo Park, but the organization has field offices in Europe, the Far East and various parts of the U. S. The organization was an extremely complex and diverse one in that employees were active in over 150 different markets.

Ms. Bien says the 18 months experience was really worthwhile and much too short; however, the only things she truly misses are the beautiful green hills; the hugh oak trees, flowers of every imaginable variety and the ocean.

Police

reports . . .

A one-vehicle traffic accident occurred the evening of Friday, Dec. 26, when a west-bound Toyota landcruiser left the road on Nimitz Ave. and struck a fire hydrant.

The vehicle overturned, injuring the driver, who was transported to the NRMC branch clinic by NWC ambulance. The driver suffered minor injuries, according to police reports, and was held overnight for observation.

TV, STEREO STOLEN

A television/stereo valued at \$300 was reported stolen from a shop building at Armitage Airfield on Dec. 30.

BURGLARY AT AIRFIELD

A theft of government-owned tools valued at \$350 was reported on Monday, Jan. 5, to China Lake police.

The tools were taken from a room in Hangar 3 at Armitage Airfield, and disappeared some time between Dec. 29 and Jan. 5.

CIGARET MACHINE DAMAGED

An estimated \$50 damage was caused by vandals who broke open a cigaret machine in the Bachelor Enlisted Quarters' office.

A lock on the machine was broken and the door pried open. The incident occurred sometime between Dec. 31 and Jan. 5.

FLIGHT GEAR MISSING

Reports of two burglaries that occurred in Hangar 3 at Armitage Airfield were received Tuesday by China Lake police.

In the first incident, flight gear valued at \$200 was stolen from an unlocked locker.

Also reported to police was theft of \$20 from the desk of a civilian employee at the airfield.

VEHICLE ACCIDENT

China Lake police responded Tuesday afternoon when notified of a vehicle accident at the intersection of the Randsburg Wash Rd. and the Trona-Red Mountain Rd.

Injuries were suffered by the driver and passenger in an eastbound sedan that smashed into the side of a Trona railroad contractor's water truck. The latter vehicle reportedly had pulled out from the stop sign at the intersection.

Investigation of the accident was turned over to the California Highway Patrol.



25MM AIRCRAFT GUN INSPECTED — Before the recent test of a one-of-a-kind 25mm aircraft gun, some of the visitors who came here to observe a test of this weapon had the opportunity for a close-up look at the gun as it was mounted on a modified AV-8 Harrier aircraft. The visitors in this group are (l.-r.) Col. Curtis Lawson, Capt. K. D. Wilson, Robert Kirkpatrick, Col. Alan Walker, Charles Murphy, Joe Westner, Tom Culligan, and Maj. Vincent D. DiLoreto. Capt. Wilson and Col. Walker are both from the Air Munitions Requirement and Development Committee, Office of the Secretary of Defense (R&E); Kirkpatrick is the 25mm gun project engineer for General Electric; Col. Lawson is from the Office of the Secretary of the Navy (R&D); Murphy is on the staff of Congressman John Edwards, a member of the House Appropriations Committee; Westner is on the staff of Congressman Richard Schulze, a member of the House Ways and Means Committee; Culligan is a legislative assistant to Congressman Earl Hutto, a member of the House Armed Services Committee; and Maj. DiLoreto is the Naval Air Systems Command program manager for the 25mm gun program.

25mm aircraft gun tests . . .

(Continued from Page 1)

for future Navy and Marine Corps aircraft.

According to Bates, locally-developed specifications on size, weight, and firing rates served as guidelines for the new 25mm gun that was designed and built by the General Electric Co. using the firm's in-house funds.

In March 1979, a technical film was produced at NWC based on the GE-developed 25mm gun. This film showed the operation of the gun as it was being fired from a test stand at the K-2 range. This demonstration proved that the gun system as initially designed met the requirements for it that had been established by the Navy.

After that, the Navy entered into a contract with General Electric to build and install this one-of-a-kind engineering test unit of the 25mm gun on an AV-8A Harrier aircraft. This was the unit tested on Dec. 10.

Prior to this test, the 25mm system in its

exact aircraft configuration underwent acceptance testing by the General Electric Co. in Burlington, Vt.

As NWC personnel were planning the Dec. 10 test, preparing the targets for it, and making preparations for combat data damage assessment, the 25mm gun-equipped AV-8A Harrier was back at the Naval Air Test Center, Patuxent River, Md., going through flight tests to determine how well the problems of integrating the gun with the aircraft had been met earlier this year by General Electric and the McDonnell Douglas Co., manufacturer of the aircraft.

Principle purpose of the test at NWC was to establish the effectiveness of the 25mm gun as it might be employed against heavy armor.

This test also was carried out to provide data points that can be used to a limited degree to help verify computer models of the results of gun vs. tank attacks.

Secondary objectives of the test included determination of the effectiveness of the new PGU-20 25mm gun armor piercing, incendiary rounds as fired from an AV-8A Harrier against heavy armor; establish a 25mm gun vs. armor data base that will be used, as appropriate, to check gun effectiveness computer technology; and to develop data for use in comparing the effectiveness of the 25mm gun with an Air Force 30mm aircraft gun.

Clean-up day . . .

(Continued from Page 1)

will then be transported to the county dump, with aluminum cans and bottles sacked separately so that they can be taken to the recycling center instead of the dump.

The City of Ridgecrest has decided to join with NWC's Project Community Pride by also holding a clean-up day on Jan. 17 under the chairmanship of Bill Bersie, Ridgecrest Recreation Director.

FOR NAVY NEWS

P.A. LINE

X 2345

Lecture slated on Voyager encounter with planet Saturn

A lecture accompanied by photo slides on the subject of "Voyager, the Saturn Encounter" will be presented next Friday, Jan. 16, at 1 p.m. in the Michelson Laboratory Auditorium (Rm. 1000 D), and also at 7 p.m. at the Cerro Coso Community College lecture center.

Speakers for this program, which is co-sponsored by the China Lake Section of the American Institute of Aeronautics and Astronautics (AIAA) and Cerro Coso College, will be Kristan Lattu and Dr. Dennis Matson, both from the California Institute of Technology's Jet Propulsion Laboratory (JPL).

Ms. Lattu, a former air traffic controller with the Los Angeles Air Route Traffic Control Center, has been with JPL, for three years.

Dr. Matson, a planetary scientist at JPL is now working on the Voyager program. The holder of a degree in planetary science from CalTech, his special interests include planetary and satellite surface investigation and infrared spectroscopy.

After 370 years of observing and studying Saturn, scientists are in agreement that they still have much to learn about this most beautiful of planets, and the two Voyager spacecraft missions to Saturn have provided a vast amount of new information.

Ultraviolet and infrared instruments have scanned the Saturnian system, measuring the composition and temperature of Saturn's cloud tops and surfaces of the planet's satellites. In addition, magnetometers and particle detectors have been used to analyze Saturn's magnetic field in order to determine how it reacts with the solar wind.

Also, cameras (both wide- and narrow-angle) have captured on film many segments of the planet showing its rings and satellites.

Additional information on next Friday's lecture program can be obtained by calling AIAA members George Benedict or Frank Wu, at NWC ext. 3449 or 3551, respectively, or Cerro Coso College, phone 375-5001.

NWC, college co-op education program taking applicants

A Cooperative Education Program is now being offered through the combined efforts of Cerro Coso Community College and the Naval Weapons Center.

Those entering this program have the opportunity to earn either an Associate of Arts or an Associate of Science degree from Cerro Coso College while receiving on-the-job training at NWC.

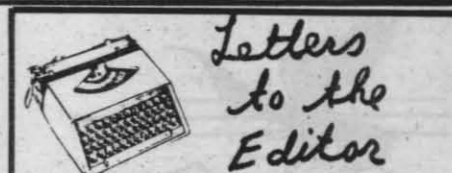
The Cooperative Education Program will take from 3 to 3½ years to complete. It will be held on a continuing basis, with openings announced each semester.

At the present time, there are nine position openings in the fields of electronics technician, engineering technician, and physical science technician.

In order to be eligible to apply for this program, applicants must be (1) a U.S. citizen, (2) a high school graduate or the equivalent, (3) be enrolled as a full time student (12 units or more) at Cerro Coso College, (4) maintain at least a 2.0 grade point average. It also is necessary to complete an SF 171 form and the Cooperative Education Application form, both of which can be obtained at the College Counseling Center.

It also will be necessary for applicants to provide copies of their high school and college transcripts and to take the College Placement Exam.

The deadline to apply for the Cooperative Education program is next Friday, Jan. 16. Additional information can be obtained from the Cerro Coso College Counseling Center.



To the Editor:

I am seriously inconvenienced in my work by the new placement of gates, and I would like to have a few questions answered before I can relax to endure the change.

Of all the places formerly enclosed by the NWC fence, where is it most likely that range and Armitage Airfield employees will go during the work day when they leave their offices?

I suggest that the answer is Michelson Lab, Lauritsen Lab, and the Administration Building.

Was a traffic study made of the relative usage of Sandquist, Knox and Lauritsen Roads during working hours?

If so, did it show, as I suspect, that Knox Road was more traveled than Lauritsen Road?

If it happens that most of the answers I propose are correct, why has the most direct route between "main side" and the ranges been closed forever?

Gene Schneider
Code 6224

From the Editor:

The following information has been provided by the Safety and Security Department in response to the questions asked by Ms. Schneider:

Traffic counts taken during morning rush hours showed that Sandquist Road is most heavily traveled (39 percent), Lauritsen Road is second (32 percent), and Knox Road ranks third (21 percent). Traffic counts were made only during the period from 6:30 to 8 a.m.

Sandquist Road and Lauritsen Road were selected because they are the most direct routes to the airfield and north range areas for emergency fire, ambulance and police equipment. In addition, there are existing gate houses at Sandquist and Lauritsen Roads.

Gate houses were placed at these two locations because Sandquist Road is the most direct route to and from the NWC main gate, while Lauritsen Road is the most convenient for military personnel in the BEQs. In addition, long range plans show that most government housing will be in the area nearest to the gate on Lauritsen Road.

Traffic flow studies showed that Sandquist and Lauritsen Roads appeared to constitute the most direct, non-congestive routes to and from the range areas. What inconvenience this may have created means no more than a 2 minute drive through the gate on Lauritsen Road.

Talk set on nuclear magnetic resonance

Dr. Rodney L. Willer, of the Energetic Materials Branch in the Research Department, will present a discussion on nuclear magnetic resonance, "The Chemist's Window on the Molecular World," as a Technical Director's seminar on Wednesday at 3 p.m. in the Michelson Laboratory auditorium (Rm. 1000 D). All NWC personnel are invited to attend.

NWC was a pioneer in applying the nuclear magnetic resonance spectrometer to chemical research, resulting in a quarter-century of work on propellants, explosives, laser dyes and synthetic polymers.

Nuclear magnetic resonance research facilities at the Center have undergone three major levels of improvement since 1956, with a new high-field multinuclear system proposed for 1981 that promises a still more dramatic upgrading of capability for materials research workers.

Sidewalk sale at NEX

A sidewalk sale will be held next Thursday, Jan. 15, from 10 a.m. to 3:30 p.m., in front of the Navy Exchange Store in Bennington Plaza.

The NEX will offer reductions in price ranging from 33 to 50 percent on such items as clothing, giftware, and Christmas decorations.