

3rd anniversary fete slated Sunday at Women's Center

"Let's Be Sisters" is the theme of the third anniversary celebration of the Women's Center-High Desert to be held at 5 p.m. Sunday.

This evening of comedy, drama, poetry and music will be held at the Senior Citizens Center, 125 S. Warner St., Ridgecrest.

Among the participants in this program is Bob Huey, talented singer, dancer and actor, who will sing "Loves Me Like a Rock," a Paul Simon hit about mother-love.

Rebecca Conner, whose singing talents range from opera to contemporary music, will perform "I Am Woman," Helen Reddy's famous song symbolic of the women's movement of the '70s.

Janice Anderson, familiar to local music fans along with her guitarist husband, John, will team up with Conner for a rendition of Dolly Parton's recent hit "9 to 5."

A dramatic interpretation from the play, "For Colored Girls Who Consider Suicide When the Rainbow Is Enuf" will be presented by Ava McClendon-Whitman.

Marj Boehme, public relations administrator at Desert Counseling Clinic, will give a reading from Tillie Olsen's widely acclaimed play "Tell Me a Riddle."

In its third year, the Women's Center is primarily an information and referral center. Resources ranging from battered women's shelters to child care facilities are kept on file and constantly updated.

A non-profit organization, the Women's Center-High Desert holds the distinction of being the only women's center in California that operates entirely on membership fees and donations. Women interested in volunteering their help at the center are asked to contact Helen Koimer by calling 375-7525 or 375-1724.

Tryouts scheduled for 'Grease,' next CLOTA production

Tryouts for "Grease," the Community Light Opera and Theater Association's summer production of the '50s rock 'n' roll musical, are scheduled for June 9, 10, and 12 from 7 to 10 p.m. in the Burroughs High School multi-use room. An additional audition session also is slated on Saturday, June 13, from 1 to 5 p.m.

Mark Claunch is production director, with Jean Lehmann as his assistant.

The performance schedule of "Grease" is unique in that it follows the standards of professional Broadway shows with performances on Friday and Saturday, Aug. 7 and 8, Sunday and Monday off, and then performances Tuesday through Saturday, Aug. 11 to 15.

Parts are available at the open auditions for eight males and seven females who can look and act like super-cool, teenage boys and gum-chewing, hip-swinging teenage girls. The parts of Miss Lynch, a high school English teacher, and Vince Fontaine, a smooth talking disc jockey, can be played at any age.

Working with Claunch on the technical crew will be Bill Lutjens, musical director; Steve Carter, choreographer; Mary Lee Thomas, vocal director; and Brian Thomas, technical director. Rehearsals are set for Monday through Thursday from 7 to 10 p.m.

For more information on "Grease," call Claunch at 446-2614 after six, or Jean Lehmann at 377-4890 in the morning.

Dine, dance at CPO Club

The Friday special of prime ribs of beef and Icelandic cod will be featured this evening from 6 to 9 o'clock in the Chief Petty Officers' Club dining room.

After dinner, from 8:30 p.m. until 12:30 a.m., "TNT," a local 4-piece country-rock band, led by Teresa Bagley will entertain for the listening and dancing pleasure of members and guests in attendance.

Dinner special tomorrow evening is a 12oz. top sirloin steak served from 6 to 8:30 p.m. in the CPO Club dining room.



SUNSHINE FESTIVAL GIRLS — Candidates for the title of "Miss Sunshine" and "Miss Junior Sunshine" are eagerly awaiting the outcome of the contest they are engaged in that is a part of the annual Sunshine Festival at Inyokern. The "Miss Sunshine" hopefuls are (seated, l.-r.) Angi Miller, Beth Holley, and Michelle O'Connell. Standing behind them are the "Miss Junior Sunshine" candidates (from left) Christine Gage, Laura Farris, Stacey Frazier, and Laura Maedie.

Inyokern's Sunshine Festival to be held Saturday, Sunday

The annual Sunshine Festival, sponsored by the Westside Civic Associates (WCA), will be held tomorrow and Sunday in the town of Inyokern.

The two-day celebration will get underway with a parade that will start at 11 a.m. Saturday at the corner of Third and Plains Sts. in Inyokern.

The procession, which will be led by a color guard from the Naval Weapons Center's Sidewinder drill team, will head east on Plains and then north on Broadway to Inyokern Park, which will be the center of activities for the Sunshine Festival.

Theme of the parade, which is being organized by Mike Molner, as chairman, is "Proud Moments," a motto inspired by the recent U.S. Space Shuttle flight.

A picnic and reunion of "early timers," those who resided in the Indian Wells Valley prior to World War II, is planned tomorrow at Inyokern Park, where there also will be games for both the young and those who are young at heart.

A rummage sale, conducted by a senior citizens' group, and a flower show, staged in the park building by members of the Oasis Garden Club, also are included in the schedule of events tomorrow during the Sunshine Festival.

Festivities on Saturday night will begin at 7 o'clock with a barbecue arranged by the WCA, and the winners and runners-up in the

Recital benefiting spay, neuter program to be presented by Ballet Arts Theatre

Ballet Arts Theatre will present a gala benefit performance for the Indian Wells Valley Spay and Neuter rebate program on Saturday, starting at 7 p.m. in the Burroughs High School lecture center.

The program will open with "Carnival of The Animals" (music by Saint Saens). Dancers will portray fossils, gnus, lions, elephants, horses, tortoises, fish, coucous, kangaroos, hens and roosters, and the graceful swan.

The evening of entertainment continues with "La Grande Valse" featuring Terrie Jacks, Christa Goetz, Ellen Reed and Cathy O'Drobinak. The ensemble concludes the program with a lively jazz number, Henry Mancini's "Hangin' Out".

Admission is \$3 for adults, \$2 for senior citizens, high school students and military personnel, and \$1 for children under the age of 12. The entire admission will go to the IWV Spay and Neuter program to support the rebates for those in the community who have their pets spayed or neutered.

"Miss Sunshine" and "Junior Miss Sunshine" contests will be crowned. The candidates are Angi Miller, Beth Holley, and Michelle O'Connell (for "Miss Sunshine") and Christine Gage, Laura Farris, Stacey Frazier, and Laura Maedie (for "Miss Junior Sunshine").

Barbecue tickets, priced at \$7.50 for the general public and \$4.50 for senior citizens and children under 12 years of age, can be ordered by calling Mrs. Margaret Kirshenman at 377-4976 or 377-4906. They also can be purchased at the Farris Restaurant in Ridgecrest.

The evening's activities tomorrow will be topped off by a dance on the tennis courts at Inyokern Park. Music will be provided by the Easy Lovin' band, a local musical group.

The Sunshine Festival will continue on Sunday with a pancake breakfast that will get underway at 8 a.m. at the Inyokern Park.

Also scheduled as part of the Sunshine Festival is a fly-in at the Inyokern airport that is being coordinated by Bill Reed and Bill Farris. In addition, there will be a bicycle race on Saturday morning north on Highway 395 to Brown Road and back via Brown Road to Inyokern, as well as a 5-mile run on Sunday from Brown Road to the Inyokern Park. This latter event is being sponsored by the Over-the-Hill Track Club.

Tickets can be purchased in Ridgecrest at The Gift Mart, Medical Arts Pharmacy, Center Professional Pharmacy and at the lecture-center door tomorrow evening.



Terrie Jacks

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: 7:00 p.m.

FRIDAY JUNE 5
JUNIOR HIGH SCHOOL GRADUATION
Murray — 5 p.m.
Monroe — 7 p.m.

SATURDAY, MONDAY JUNE 6, 8
"NINE TO FIVE"
Starring
Jane Fonda, Lily Tomlin and Dolly Parton
(Comedy, rated PG, 110 min.)

SUNDAY JUNE 7
"FLASH GORDON"
Starring
Sam J. Jones and Melody Anderson
(Action-drama, rated PG, 112 min.)

TUESDAY JUNE 9
Matinee — 2 p.m.
"THE LAST FLIGHT OF NOAH'S ARK"
Starring
Elliot Gould and Genevieve Bujold
(Adventure, rated G, 98 min.)

WEDNESDAY JUNE 10
"CHANGE OF SEASONS"
Starring
Shirley MacLaine and Bo Derek
(Comedy, rated R, 102 min.)

THURSDAY JUNE 11
Matinee — 2 p.m.
"BUGS BUNNY AND ROADRUNNER"
(Animated, rated G, 98 min.)

NWCA anniversary to be celebrated by local chapter

The Navy Wives Club of America (NWCA) observed its 45th anniversary on Wednesday, June 3.

In celebration of this milestone, officers and members of Desert Flowers Chapter No. 125, NWCA, will hold a party at the group's next meeting on Thursday, June 11, starting at 7:30 p.m.

The party will be held in the Navy Wives Club's new meeting place (formerly the Station Restaurant) located at the corner of Blandly Avenue and Lauritsen Road.

The wives of all enlisted Navy, Marine Corps and Coast Guard personnel (both active duty and retired) are eligible for membership in the NWCA and are invited to attend this birthday fete.

Information about membership or activities enjoyed by members of Desert Flowers Chapter No. 125, NWCA, can be obtained by calling Diane Wadelin, president, after working hours at 337-4594.

Supply Dept. to sponsor 'Oldies but Goodies' party

The NWC Supply Department is sponsoring an "Oldies But Goodies, '50s Party" on Saturday, June 13, at 8 p.m. at the Community Center.

Everyone is invited to come rock and roll to the popular music recordings of Lyle Gregory, a local disc jockey.

Girls, pull out the old poodle skirts, and guys put on that old hair oil and prepare for a costume contest that will highlight the evening.

There will be dancing and a no-host bar with munchies.

For more information about this party contact Loy Vincent by calling NWC ext. 3648.

U.S. Government Printing Office: 1981 - No. 28

From: _____

PLACE
STAMP
HERE

To: _____

More land open for geothermal development

An agreement which will allow opening a high potential geothermal area on the Naval Weapons Center in Inyo County for commercial development was announced jointly on Monday by Capt. William B. Haff, NWC Commander; and James B. Ruch, California State Director for the U.S. Bureau of Land Management.

A modified public land order to permit the development, agreed to by Secretaries of the Navy and the Department of the Interior, was scheduled for publication in the "Federal Register" on May 29.

Dr. Carl Austin, head of the Geothermal Utilization Division at NWC, said the agreement represents a significant forward step by both Federal departments in achieving a major multiple-use energy program on lands controlled by the Department of Defense.

AGREEMENT SETS PRECEDENT

"The agreement sets a precedent," he said, "and, if we find that the Navy can carry out its mission and industry operations are compatible in the same area, it will mean that similar agreements can take place elsewhere."

Ruch commended Dr. Austin and others at the Naval Weapons Center who worked to achieve the unique agreement. "Their efforts could lead to opening up other important energy resources on military lands throughout the United States, where such developments are feasible. This would be of tremendous benefit," the BLM State Director said.

The Navy lands affected make up a little over half of the 66,000 acres contained in the Coso Known Geothermal Resource Area (KGRA), which the BLM plans to offer in a competitive bid lease sale in September. The area is about 45 miles north of Ridgecrest.

Dr. Austin said preliminary studies indicate that the resource will be both steam and water with a temperature of about 425 degrees Fahrenheit, considerably hotter than needed for the production of electricity.

Estimates of the potential generating capacity of geothermal resources in the

(Continued on Page 5)

Cerro Coso Commencement

Graduates urged to do their part for America

in life.

Capt. Haff cautioned, however, against overemphasis on the idea of "winning at all costs" at the expense of teamwork, self-discipline, and fair play. "Cooperation with each other is as important to our country's betterment as competition," he remarked.

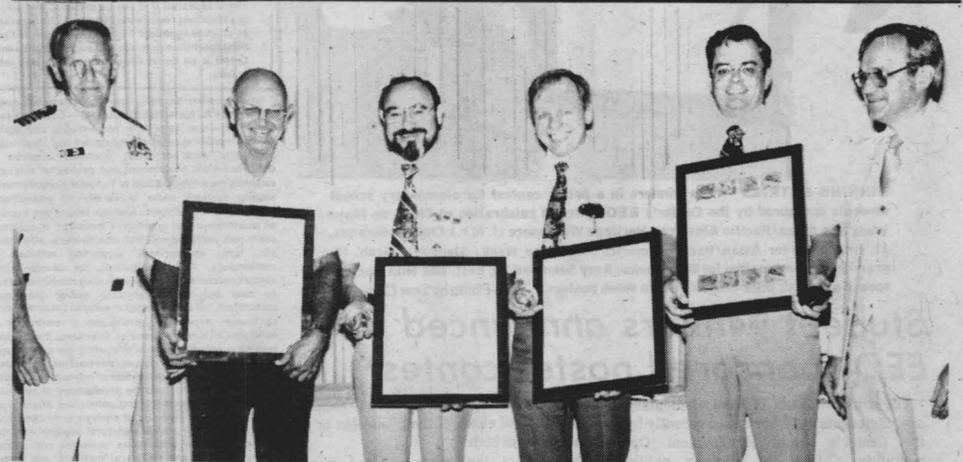
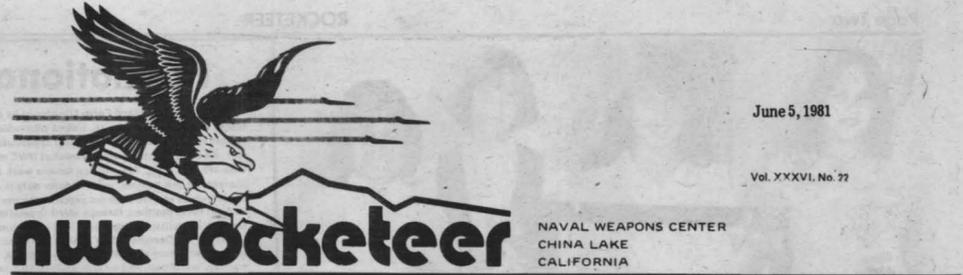
The NWC Commander also cited the need for ingenuity and resourcefulness to improve the quality of education in America,

"The problems may sound overwhelming, but they are not as great as the problems faced by the colonists who founded this nation," the NWC Commander stated as he warmed up to the theme of his talk in which he called for a "better and reUnited States of America."

Capt. Haff, speaking at the eighth annual Cerro Coso College graduation, emphasized that the graduates, as individuals, can make a difference in the direction taken by this country as he called for a revival of the American sense of individual and community responsibility.

Even though their future professions and life styles will cover a wide range, the manner in which they collectively approach their professions, as they relate to America's renewal will have direct impact on a "reUnited States of America," Capt. Haff told the graduates.

He also remarked about the strong competitive spirit found in this country as nowhere else on earth, and urged individual involvement in sports competition, even on an informal basis, because of the way such competition can contribute to success later



OUTSTANDING EFFORT RECOGNIZED — Four Naval Weapons Center employees were highly honored during a luncheon held last Friday at the Commissioned Officers' Mess during which it was announced that they were the latest recipients of the L. T. E. Thompson Awards and William B. McLean Award. Capt. William B. Haff (at left) NWC Commander, presented Thompson Awards to (l.-r.) Ernest Cozzens, Gaylon E. Ryno and Dr. Victor L. Rehn. The McLean Award was presented by Bob Hillyer (at right), NWC Technical Director, to W. R. Magorian, who is standing next to him.

Thompson, McLean Awards presented to 4 of NWC's outstanding employees

Four of the Naval Weapons Center's outstanding employees were honored at a well-attended luncheon held last Friday at the Commissioned Officers' Mess during which it was announced that they were the latest recipients of the L. T. E. Thompson Awards and William B. McLean Award (which recognizes exceptional creativity) were presented.

The Thompson Awards were presented by

Capt. William B. Haff, NWC Commander, to Ernest G. Cozzens, associate head of the Engineering Department; to Dr. Victor L. Rehn, head of the Semiconductor Surface Science Branch in the Research Department's Physics Division; and to Gaylon E. Ryno, head of the Radio Frequency Branch in the Fuze and Sensors Department's Sensor Systems Division.

The lone recipient of the McLean Award,

which was presented by Bob Hillyer, NWC Technical director, was W. R. Magorian, a Division and head of the Division's Exploratory Development Branch.

To date, 65 employees have received the Thompson Award, which was established in 1965 to pay tribute to the Center's first Technical Director. By his leadership, vision, and persistent efforts, the late Dr. Thompson gathered at China Lake a strong complement of outstanding men and women.

The success achieved by the Center in the field of ordnance has been in great part due to the initial guidance of Dr. Thompson and to his skill in integrating military and civilian personnel into an enthusiastic, effective group.

The Thompson Award consists of a certificate and a medal that is cast in the likeness of the late Dr. Thompson. The medal is inscribed with the recipient's name and the words, "In recognition of outstanding contribution to the advancement of ordnance."

BASIS FOR AWARD

Cozzens was recognized for his exceptional leadership in maintaining the productivity and quality of weapons and equipment developed at the Naval Weapons Center and its forerunner, the U.S. Naval Ordnance Test Station.

Through 30 years of dedicated effort within the Engineering Department, Cozzens has emerged as an authority in the process of moving systems along from development to production and into military use.

His expertise in documentation, production engineering, environmental engineering, manufacturing, and product assurance have been effectively applied to such weapons as Shrike, Sidewinder, and Sparrow missiles, as well as to various conventional bombs and rockets.

Cozzens' efforts have resulted in millions of dollars in production cost savings, while at the same time insuring high quality hardware.

Cozzens, who is now a reemployed annuitant, began his career at China Lake



Capt. William B. Haff Commencement Speaker

something he feels that can be done without spending an immense amount of money.

Turning his attention next to the state of the economy, the college graduation speaker noted that American society thrives on free enterprise, but added that the "business world's competitive edge has been somewhat dulled over the past years." He urged that the graduates play a part in helping to restore America's competitive edge, which will require a change in the way government and business management operates if industry is to win back markets at home and abroad.

"This kind of a change cannot come about without emanating from our younger generation," the NWC Commander said as he mentioned the need for the "right" kind of tax cuts to encourage savings and investment. "The United States can't grow unless all Americans start saving more and spending less. This is a major hurdle for all of us to overcome," he stated.

Despite the somber picture he had painted, Capt. Haff was quick to counter with what he referred to as an "amazing balance sheet of assets." As an example of this, he mentioned the historical flight of the Space Shuttle Columbia.

"This scientific achievement tells me a couple of significant things. The first is that this achievement places us at the edge of the unknown and, secondly, our country has halted the perceived retreat from the greatest of all frontiers — outer space," the NWC Commander said.

Key to achieving a "reUnited States," the

(Continued on Page 3)

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WINNING ENTRIES — Top winners in a poster contest for elementary school students sponsored by the Center's EEO Office in celebration of Cinco de Mayo Week and Asian/Pacific American Heritage Week...

Student winners announced in EEO-sponsored poster contest

The artistic talents of local elementary school students were harnessed recently by the Center's Equal Employment Opportunity Office to enhance public awareness of both Cinco de Mayo Week (which began on May 4) and Asian/Pacific American Heritage Week, which began the following Monday.

All Faith Chapel Vacation Bible School starts Mon.

Plans have been announced for the 1981 Vacation Bible School at All Faith Chapel, Catholic and Protestant congregations of the Naval Weapons Center's All Faith Chapel.

"Jesus, Your Word Lives in Me" will be the theme of classes that will be held in the various Chapel Annexes. Youngsters in prekindergarten through sixth grade will meet from 8:30 to 11:15 a.m. while junior high and high school sessions are planned from 7 to 9 p.m.

Coordinators of the Vacation Bible School are Eleanor Hartwig, of the NWC Protestant congregation, and Agnes Winter, a member of the NWC Catholic congregation.

The program will include basically the same learning activities as last year's session. Bible stories, Bible learning activities, craft work, and recreation programs geared to meet the interests of the different age groups will be included in the program.

Registration for Vacation Bible School is being handled at the All Faith Chapel following regularly-scheduled religious services and during the week at the chapel office.

The Rocketeer

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Captain W. B. Hoff NWC Commander

R. M. Hillier Technical Director

S. G. Payne Public Affairs Officer

Don R. Yockey Editor

Mickey Strang Associate Editor

Beverly Becksvort Editorial Assistant



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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 (i.e., career/career conditional and VRA) NWC employees only. All others desiring employment at NWC may contact the Employment-Wage & Classification Division, Code 092, Ext. 3505. 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.

Announcement No. 0846, Operations Research Analyst, DP-1515-1, PAC No. 8106537E, Code 081 — Cost analyses are performed using data, both performance and cost, including manual simulations, computer cost modeling and probability and statistical methods, acquired and developed from government and contractor sources, to establish the estimated cost or budgetary requirements of weapon systems under a variety of acquisition or programmatic strategies. Analysis results are expressed as quantitative and qualitative measures of system life cycle cost, performance, cost effectiveness, affordability, etc., with appropriated supporting rationale and methodology. The development of models and specialized cost models and estimating relationships based on cost and system physical and/or performance parameters, the effect on cost of weapon commonality and contractor competition, evaluation of contractor cost estimates in support of source selections, the support of weapon program offices in evaluating the cost impact of various programmatic issues, development of measures for cost uncertainty, derivation of methods for assessing weapon affordability and the development of new and/or improved techniques for cost estimating and economic evaluations. This diversity of analysis activities requires the application of a wide variety of analysis techniques including manual simulations, computer cost modeling and probability and statistical methods. Job Relevant Criteria: Knowledge of weapons system cost analysis; knowledge of cost and economic analysis technique and procedures; ability to communicate effectively both orally and in writing. Promotion potential to DP-3.

Announcement No. 24032, Police Officer, GS-083-3/4, PD No. 7824034N, Code 2413 — Position is located in the Patrol Branch of the Police Division, Safety and Security Department. Incumbent performs basic law enforcement duties under the direction of a field training officer or a police supervisor. Routine cases, traffic control, traffic citations and investigation of NWC administrative violations may be handled independently. Incumbent must be available to work any one of three shifts. Applications will be accepted from reinstatement/status eligibles. Supplemental is required and may be picked up from the reception desk in the Personnel Department. Code 2522 — This position is located in the Purchase Branch, Contracts chase a wide variety of commodities; both standard commercial items as well as technical items. Purchases are made within and outside the local trade area. For the more technical items, research may be required to identify a qualified source of supply. Selection of the appropriate method of purchases as well as selection of the method of soliciting quotations is the responsibility of the incumbent. Job Relevant Criteria: Knowledge of small purchase procedures; ability to work under pressure; ability to deal effectively with others; ability to work without close supervision. Applications accepted from status eligibles.

Announcement No. 25-053, Supply Clerk, GS-2905-5, PD No. 742928, Code 2514 — This position is located in the Quality Assurance Branch, Planning and Administrative Division, Supply Department. The incumbent carries out the operating methods, systems, techniques and procedures for the accomplishment of accurate and reliable inventories assigned; physically counts stock items and supervises count people assigned to his/her inventory; prepares and extends money value tapes of manual inventories conducted and prepares machine tapes of computer input; investigates and reconciles discrepancies between actual count and stock record balances. Job Relevant Criteria: Knowledge of the Federal Supply System; ability to plan and organize work and establish priorities; ability to work independently; ability to meet and deal effectively with others. Applications will be accepted from status eligibles.

Announcement No. 26-096, Electrical Engineering Technician, GS-092-9, 10 or 11, PD No. 8126021E, Code 2635 — (1 position) Position is located in the Electrical Branch, Engineering Division, Public Works Department. Incumbent performs design and development of facility related projects including requirements definition, load analysis, and engineering studies. Job Relevant Criteria: Knowledge of electrical design; knowledge of National Electrical Code; ability to perform engineering calculations.

Announcement No. 3427, Supervisory General Engineer, DP-401-4, PAC No. 8034581E, Code 3482 — This position is that of head, Quality Assurance Branch, Product Assurance Division, Engineering Department. The incumbent is responsible to the head, Product Assurance Division for providing quality assurance support for a wide range of complex weapon systems and related equipment developed or managed by the Naval Weapons Center. This branch serves as the Center's point of contact for quality assurance and is responsible for providing direct technical quality assurance and quality engineering support on assigned programs and has the responsibility for establishment, coordination and implementation of Center Quality Assurance Policies and Procedures consistent with applicable Center, DoD, NAVIAIR, and NAVAIR requirements and policies. The branch is responsible for maintaining a balance between the workload, personnel and facilities to insure efficient utilization of all resources. The incumbent is responsible for defining program quality requirements appropriately tailored to program objectives and make technical decisions regarding pre- and post-contract and surveys, quality by results and reviews, implementation of DoD and Navy regulations and implementation of all Government Plant Representative Policies and Operating Procedures. Job Relevant Criteria: Ability to supervise a large branch through subordinate section head supervision; background knowledge of the system acquisition process and weapon system development including design, test and documentation; knowledge

sufficient to manage subordinates conducting detailed work in quality assurance; ability to communicate orally and in writing.

Announcement No. 3628, Electronics Technician, GS-056-12, PD No. 8136011E, Code 3623 — This position is located in the Missile Support and Test Branch, Systems Engineering Division, Engineering Department. The incumbent is responsible for design, development, and maintenance of specialized prototypes and associated test equipment, for planning and coordinating Sidewinder test programs, preparing and conducting complete systems tests on passive infrared detecting missile guidance and control groups, and providing technical liaison with test program sponsors, vendors, and other government activities. Job Relevant Criteria: Knowledge of AIM-9L rate table and bore-sight table test equipment and the principles of electronics, mechanics and optical physics as associated with the AIM-9L missile system; experience in management of a project effort, the field use of military ordinance, and planning and conducting of test programs for the AIM-9L weapon system; must be knowledgeable of the types of test hardware used for IR air-to-air and surface-to-air missiles; must be able to effectively communicate, orally and in writing, with personnel of varying technical backgrounds.

Announcement No. 38-022, Administrative Assistant, GS-341-7, PD No. 8138014N, Code 381 — This position is a part-time (16 hrs. per week) administrative assistant in the Physics Division, Research Department. The function of the position is to provide administrative support services essential to Physics Division personnel. The incumbent assists in putting proposal packages in the appropriate format, gathers fiscal information required to initiate, update, or close out project budgets, and advises individuals of their spending rates and balances. Incumbent is responsible for assembling various packages required to accomplish division personnel actions including hiring, transferring, promoting, awarding, and detailing. Incumbent accommodates guest lecturers by writing official letters of invitation, arranging conference room and security clearances. An important duty of the incumbent is to assist the staff in their effort to buy equipment, material and contracts. Job Relevant Criteria: Ability to establish and maintain effective personal relationships in a work situation; ability to follow and interpret complex written directions, regulations, instructions and procedures; ability to make clear verbal and written presentations; ability to apply a general understanding of management principles, practices, methods and techniques; knowledge of the budgeting process, personnel procedures, and procurement process at NWC.

Announcement No. 39-013, Electronics Engineer, DP-055-3, PAC No. 8139525E, Code 3954 — This position is located in the RF Systems Branch, RF Division of the Weapons Department. Incumbent will be responsible for the design, fabrication, an operation of test equipment for the Demonstration of Air-to-Air Missile Technology (DAAAT) Seeker. The test equipment will be used to simulate target

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DIVINE SERVICES

PROTESTANT Sunday Worship Service 1000 Sunday School — All Ages 0830 Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. Communion Service first Sunday of the Month.

ECUMENICAL Wednesday Noon Bible Study 1130 Thursday Men's Prayer Breakfast 0630

ROMAN CATHOLIC MASS Sunday 0830-1130 Nursery, Chapel Annex 1 0815-1245 Daily except Saturday, 1135 Blessed Sacrament Chapel

CONFESIONS Daily 1115 to 1130 Sunday 0800 to 0825 Sunday 1100 to 1125

RELIGIOUS EDUCATION CLASSES Sunday Pre school thru 11th grade 1000 Above classes are held in the Chapel Annexes across from the former Center Restaurant Sunday afternoon 12th grade 1630 As announced "Home" Discussion Groups and Youth Rallies

Contact Chaplain's Office for specifics JEWISH SERVICES EAST WING — ALL FAITH CHAPEL Sabbath Services every Friday

UNITARIANS CHAPEL ANNEX 95 Sunday Services (Sept. - May) 1930

Softball scores . . .

(Continued from Page 6)

play, but gave up 14 runs to Kelly's in the top of the fourth. Instead of collapsing, however, the Realtors blasted in 13 runs of their own in the bottom of the fourth to knot the count at 20-20. A triple by Michelle Strawmyer for Home Town Realty was the longest hit of the game.

CSC, the team that is leading the Women's Division, moved into sole possession of first place with a 6-1 record after posting two wins last week over High Desert Imports and the NWC Gatlin Girls by scores of 12-6 and 14-1, respectively.

CSC had a 7-run third inning and picked up four more runs in the fourth inning to clinch the win over High Desert Imports.

Pat Brightwell led CSC at the plate in the 14-1 win over the Gatlin Girls as she hit a home run and a triple in three times at bat.

Results of other games played last week in the Women's Division were Kelly's Earthworks 25, NWC Gatlin Girls 3; Rosas Roofing 21, Foxtails 16; and High Desert Imports 30, Foxtails 9.

Leading 14-2, Kelly's Earthworks scored 11 runs in the fifth inning to demolish the Gatlin Girls, 25-3.

The Rosas Roofing team broke open a 12-12 third inning tie with the Foxtails by out-scoring their rivals 9-4 in the fourth and final inning of this game to win it 21-16. Laurie Killilea hit a home run, a triple and two doubles for the winners in four times at bat.

The High Desert Imports team scored in every inning to win, going away, by a score of 30-9 over the Foxtails. The Imports' squad started off with an 8-run first inning, tallied another 8 in its last turn at bat in the fifth, and sandwiched in 14 runs in the second, third and fourth frames.

No games were played last week in the three-team Military Division.

Replacement needed now on Military Athletic Committee

Due to his imminent discharge from the Navy, a replacement is being sought for AE3 Chris Long on the Military Athletic Committee.

This group meets monthly to make arrangements for Commander's Cup athletic events, and its members also are available to answer questions regarding sports or recreational activities for active duty military personnel at China Lake.

AE3 Long, a computer operator in the Quality Assurance Branch of the Aircraft Support Division, has served three years of his 4-year hitch in the Navy at NWC, and has been a member of Military Athletic Committee for about seven months.

Following his discharge from the Navy, he plans to return to his home in Macon, Mo., enroll in a college or university, and seek further education in the computer field.

Code 612 personnel interested in serving on the Military Athletic Committee are asked to contact AE3 Long by calling ext. 5221.

Registration now open for racquetball tourney

Registration is now open for a summer racquetball tournament that will be held on the weekend of June 19, 20 and 21 at the Naval Weapons Center's racquetball courts. Entrants will be placed in advanced, intermediate or novice divisions, depending upon their playing ability, and there is a \$5 entry fee that can be paid at the time of registration at the Recreation Coordination Office.

The first place winners in each division will win a dinner for two at El Charro Avitia, Mexican food restaurant in Ridgecrest. In addition, there will be gift certificates — redeemable for merchandise at the bowling alley or China Lake golf course — that will go to the winners and top two runners-up in each division of the racquetball tourney. The deadline for entries is June 17.



MIGHTY DETERMINED — Joe Norris, who shared mound duties for the Inyokern Wildcats, cranks up and gets ready to throw during Monday night's game against the Yankees. Between them Norris and Todd Rowland struck out 11 and gave up just 3 hits to the Yanks.

Little League . . .

(Continued from Page 6)

May 26. The Yanks won the first half with a record of 6 wins and 1 loss, while the Wildcats posted a 4-3 record to garner second place. The Dodgers and Tigers were the also-rans with records of 2 wins, 4 losses and a tie, and 1 win, 5 losses and a tie, respectively.

The second half of the China Lake Little League Minor Division season began last Monday.

The first half title went to the Pirates, who compiled a record of 6 wins, 1 loss, and a tie. The Cubs and Royals tied for second with 4 wins, 3 losses and a tie; while the Cardinals and White Sox brought up the rear with marks of 2, 5 and 1 (tie), and 2-6, respectively.

In the Farm and T-ball Divisions of the China Lake Little League, the Angels were undefeated in the Farm Division, and there was a showdown earlier this week between the previously undefeated Astros and Twins in the T-Ball Division.

PE courses offered this summer at Cerro Coso

A dozen physical education courses will be offered during the summer session by Cerro Coso Community College. Summer classes begin June 15 and conclude July 24.

Beginning, intermediate, and advanced classes will be offered in archery. The classes will meet on the lower field on Monday, Tuesday, and Wednesday from 6:30 to 8:30 p.m.

Nancy Webster will instruct beginning and intermediate golf. Class will meet at the China Lake golf course on Tuesday, Wednesday, and Thursday from 7:30 to 9:30 a.m.

Tennis, all skill levels, will be offered at two separate times — Tuesday, Wednesday and Thursday from 9:30 to 11:30 a.m. and Monday, Tuesday, and Wednesday evenings from 5:30 to 7:30 p.m.

Basic mountaineering will be offered this summer with two rope climbs planned. Dr. Carl Heller will instruct the class in mountaineering safety, demonstration and practice of rock climbing skills. Students will learn to belay, climb, rappell and to handle a climbing rope. The mountaineering class will start at 7 p.m. on June 15, at the college, and be conducted on Tuesdays from 5 to 9 p.m. in the field, beginning on June 16.

Bicycling will be instructed by T. J. Frisbee and will meet on Tuesday, Wednesday and Thursday from 6:30 to 7:30 p.m. The class will cover the theory and practice of bicycling, including touring, bicycle selection, components, multi-gear, safety, maintenance and short tours.

Energy conservation tip

Keep the lint screen in the clothes dryer clean. Remove lint after each load. Lint impedes the flow of air in the dryer and requires the machine to use more energy.

Classes planned for tiny tots up to intermediate swimmers

Now that summer is here, the Recreation Division of the Recreational Services Department has scheduled a series of swimming classes that will begin in the next two weeks.

Registration is now being taken at the Recreation Coordination Office for tiny tot swim classes for children 4 months to 3 years of age that will be held at the indoor pool in the Center gym.

Adrienne Swinford will be the instructor for the two sessions that last three weeks each, and there is a fee of \$9, per child that is payable at the time of registration.

The first series of classes to get underway will be held on Tuesdays and Thursdays, from June 16 through July 2. One session from 10 to 10:30 a.m. is for tiny tots from 4 to

18 months of age. Other classes for those 19 months to 3 year of age are scheduled from 10:30-11 a.m.

For those unable to make it now, this same series of lessons will be repeated at the same time and place from July 7 through July 23.

The swimming pool at the indoor pool will be the setting for a series of 2-week-long swimming classes that will be offered at 30-min. intervals Monday through Friday from 8 to 10:30 a.m. during the period from June 15 through Aug. 8.

The Recreation Coordination Office also is handling registration for these classes, for which there is a \$12 fee that is payable in advance. Instruction will be provided by Recreational Services Department lifeguards.

Classes will be provided for basic beginners (non-floaters), advanced beginners, and intermediate-level swimmers. Students must be four years old to enroll in the basic beginners' classes. Ability to float on the stomach and back unassisted is a prerequisite for attending swim classes for beginners.

Further details, including the schedule of classes and dates they will be offered, can be obtained from the Recreation Coordination Office by calling NWC ext. 2010.

Season's final race by OTHC slated on June 11

The final race of the 1980-81 season — an event dubbed the "Sunstroke Mile" — will be staged next Thursday, June 11, at the Burroughs High School athletic field by the Over-the-Hill Track Club.

Registration will begin at 5 p.m., and the first race of the evening is scheduled to get underway at 6.

There is an entry fee of 50 cents per person, and boys and girls, men and women will compete in various divisions determined by their age.

Additional information can be obtained by calling Mike Mumford, the race director, at 375-5876 after working hours.

Promotional opportunities

(Continued from Page 2)

Announcement No. F1836, Accounting Clerk, AS-4, \$4.91 per hour plus benefits, permanent, full-time, Recreational Services Department, Financial Branch — This is not a Civil Service position. Responsible for accumulating, auditing and reconciling monies on a daily basis; preparing reports; making bank deposits; preparing weekly payroll, summary, and checks; processes purchase orders, billing invoices, leave records; maintains inventory records; responsible for security and handling of signed checks; other duties as assigned. Qualifications: Must be expert in use of business machines; in control of accountability for cash receipts and preparation of reports relating to same; must be familiar with payroll procedures; must be a high school graduate.

Announcement No. CC637, Child Care Attendant, PS-3, \$3.92 per hour plus benefits, permanent, full-time, Recreational Services Department, Children's Center — This is not a Civil Service position. Will provide guidance, care, and development experiences, meeting appropriate educational and emotional needs of the children; promoting the mental growth and encouraging each child to his/her full potential; preparing a daily lesson plan geared to meet the needs of the children; providing a classroom environment that is cheerful and stimulating. Qualifications: Must be a high school graduate or equivalent and have either 12 college units of child development, or one year experience or training under a qualified supervisor in working with children at the preschool age.

Announcement No. CC638, Child Care Attendant, PS-2, \$3.46 per hour plus benefits, permanent, part-time, Recreational Services Department, Children's Center — This is not a Civil Service position. Helps care for children and clean up of area. Qualifications: Must be a high school graduate or equivalent; capable of determining when child is sick; familiar with techniques of consoling frightened or injured child; able to discipline; be familiar with first aid and fire safety.

Announcement No. 06374, Electronics Engineer, DP-055-2 or 3, PAC Nos. 8139526E or 8139527E, Code 3954 (Multiple vacancies). This position is located in the RF Systems Branch, RF Division of the Weapons Department. Incumbent will be responsible for the design, fabrication and test of monopulse seeker circuits for the Demonstration of Air-to-Air Missile Technology (DAAAT) missile. Circuits will include phase locked loops for doppler tracking, frequency synthesizers, IF amplifiers, phase detectors, mixers and amplifiers. Incumbent will interface with other areas of the DAAAT Seeker design such as antenna, transmitters, signal processor and power supply systems to assure that the resulting design and hardware meets the requirements for the DAAAT flight test. Incumbent will perform analysis of semiautomatic and active radar systems to determine the capabilities/limitations of the DAAAT Seeker. Job Relevant Criteria: Knowledge of the theoretical aspects of radar, monopulse tracking and in the design and fabrication of electronic circuits for radar systems; ability to analyze radar systems both coherent and non-coherent; ability to deal effectively with people of diverse backgrounds; ability to communicate well both orally and in writing.

Announcement No. CC637, Child Care Attendant, PS-3, \$3.92 per hour plus benefits, permanent, full-time, Recreational Services Department, Children's Center — This is not a Civil Service position. Will provide guidance, care, and development experiences, meeting appropriate educational and emotional needs of the children; promoting the mental growth and encouraging each child to his/her full potential; preparing a daily lesson plan geared to meet the needs of the children; providing a classroom environment that is cheerful and stimulating. Qualifications: Must be a high school graduate or equivalent and have either 12 college units of child development, or one year experience or training under a qualified supervisor in working with children at the preschool age.

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Golden Anchor Golf Tourney shapes up as best in years

Entries have closed with a field of 54 two-member teams in what is shaping up tomorrow and Sunday as one of the best Golden Anchor Golf Tournaments in many years.

Golfers will be traveling here from as far away as San Diego and Huntington Beach to participate in this partner's best ball event sponsored by the Chief Petty Officers' Club.

Southern California Golf Association (SCGA) handicaps for the month of June will be used to equalize the competition.

Among the numerous awards that will be at stake are 12 net score prizes that will be presented along with low net score prizes to the teams and individuals who turn in the best scores (without handicap) on each day of this two-day tourney.

In addition, there will be awards for the golfer whose tee shots on hole No. 8 and hole No. 17 stop closest to the pin on Saturday or Sunday, and there also will be putting contests on both days of the tourney.

The team entry fee covers the cost of a dinner and dance that will be held tomorrow night at the CPO Club. Musical entertainment for this occasion will be provided by Doug LaValley, a country-western star from Nashville, and his 4-piece country-rock band.

There also will be a buffet on Sunday afternoon at the CPO Club during which winners in the various divisions of the tournament will receive their awards.

George Oatman, manager of the CPO Club, expressed appreciation for the efforts made by members of the Golden Anchor Golf Tournament committee in handling advance preparations for the tourney.

Summer hours of operation at swim pools to begin Sat.

The summer hours of operation have been announced for the outdoor swimming pools at the Commissioned Officers' Mess, the Chief Petty Officers' Club, the Enlisted Mess, as well as for the indoor pool at the Center gym.

Starting tomorrow and continuing through Labor Day, the swimming pool schedules will be as follows:

COM pool — noon to 9 p.m. on Tuesdays (family night); noon to 7 p.m. Wednesday through Friday; 11 a.m. to 6 p.m. on weekends; closed Mondays. This schedule was adopted in order to permit lap swimming by COM members during the lunch hour.

CPO Club pool — 11 a.m. to 6 p.m. Tuesday through Sunday; closed on Mondays.

Enlisted Mess pool — 1 to 8 p.m. Tuesday through Sunday; closed on Mondays.

Indoor pool at gym — lap swimming 6 to 8 a.m. and 11 a.m. to 1 p.m. Monday through Friday; open swimming Monday, Wednesday and Friday, from 1 to 7 p.m., and on Tuesdays and Thursdays from 1 to 5 p.m.; lap swimming on Saturdays from 11 a.m. to 12 noon; open swimming on Saturdays from 12 noon to 6 p.m.; lap swimming on Sundays from 12 noon to 1 p.m.; open swimming on Sundays from 1 to 5 p.m.

Except for enlisted military personnel, who have free use of the EM pool, fees are charged all other swimming pool users. Information on these charges can be obtained at the various club offices (COM, CPO and EM) or from the Recreation Coordination Office in regard to use of the indoor pool at the gym.

3 softball teams tied for lead in American Div.

Three teams ended up last week locked in a 3-way tie for first place in the American Division of the men's open competition in the Ridgecrest Recreation Department's Slow Pitch Softball League.

Tied for first place are Pizza Villa, Stare Montagne and ARCS, all with identical records of five wins and one loss each.

The key to this turn of events was Stare Montagne's 15-10 win over the previously undefeated Pizza Villa squad, and the 12-11 victory posted by ARCS over the NWC O's.

In the Stare Montagne vs. Pizza Villa contest, thanks, in part, to a 7-run spurt by Stare Montagne in the last half of the third inning, the score was tied at 10-10 halfway through the 7-inning tilt.

Five runs in the top of the fourth turned out to be the last gasp for the Pizza Villa squad, however, while Stare Montagne

tallied 3 runs each in the fourth and fifth innings and added a pair of runs for insurance in the sixth and seventh frames.

Leading hitters in this game were Stare Montagne's Bernie Williams and Dale Kellogg, who had three hits in four times at bat. Williams hit two home runs and Kellogg had one circuit clout. Phil Bowen, of Pizza Villa, had four hits (all singles) in four times at the plate.

The NWC O's nearly upset ARCS with a 5-run surge in the sixth inning, but this still fell one run short of the 12 runs racked up by ARCS in the preceding five innings of play. The result was a 12-11 win for ARCS.

There was one home run hit in this ball game by Art Castillo of ARCS, who also had two singles in four at bats.

Results of other American Division games played last week were Stare Montagne 24,

CSC 1, and ERA Raiders 13, CSC 6. CSC's lone score in its lopsided loss to Stare Montagne was a home run hit by Andy Bertrum. Stare Montagne closed out the abbreviated five inning contest with a 12-run onslaught in the top of the fifth inning.

The ERA Raiders' 13-6 win over CSC was highlighted by a 6-run splurge in the final inning that turned what had been a 7-3 lead into a 13-6 final margin of victory.

In a pair of games played last week between National Division also-rans, the NWC Varsity edged the winless Clancey's-Home Center team by a score of 16-15, and the Knights defeated the High Desert Saloon 13-10.

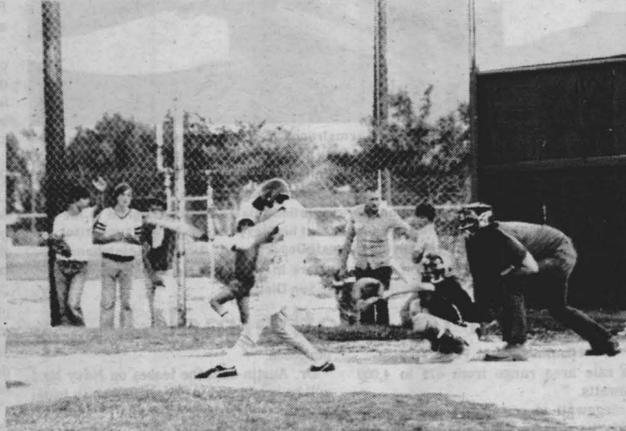
In the free-scoring slugfest between the NWC Varsity and the Clancey's-Home Center squad, Clancey's came up with two runs in the bottom of the seventh to tie the score at 14-14. In the extra inning of play necessary to decide the winner, the NWC Varsity scored twice, while holding the opposing team to a single tally.

Heavy hitters for the NWC varsity were Kent Daniels and Dan Ward, who had a home run and two doubles, and a home run, a double and a single, respectively.

In the Women's Division of the Slow Pitch Softball League, Kelly's Earthworks muffed the chance to share a first place tie with CSC as the result of being held to a 20-20 tie by the Home Town Realty team.

In this 4-inning contest, Home Town Realty was leading 7-6 after three innings of

(Continued on Page 7)



TAKES HEALTHY CUT — It's a swing and a miss for Paul Douglas, of the Wildcats, who drove in a run for his team during Monday night's 3-2 win by the Yankees over the Inyokern Wildcats in this China Lake Little League Major Division contest. Scott Roby, winning pitcher for the Yankees, whiffed 12 opposing batters as the Yankees continued to set the pace in the Major Division. John Harris is the Yankees catcher. — Photo by Don Cornelius

Yankees win 3-2 pitchers' duel in Little League Major Division

A pitchers' duel, won 3-2 by the Yankees over the Wildcats, gave the Yanks a leg up in their quest for the second half championship of the China Lake Little League's Major Division.

In this game, played Monday night at Little League Diamond No. 4, the Yankees, defending champs of the Major Division of the China Lake Little League, tallied three runs in the bottom half of the first inning, and then held on for a 1-run victory over the Wildcats.

The Yankees got rolling on a walk issued to Mike Anderson, center fielder, and soon had two men on base with one out when Scott Roby, the winning pitcher, was safe on an error.

Danny Ray came through with a single that drove in Anderson, and John Harris,

catcher, picked up two RBIs on a hit that enabled both Roby and Ray to score.

During their next at-bat in the top of the second, the Wildcats scored a run on two hits — one by Gleaton, the catcher, who singled and advanced to second on a pass ball. Todd Rowland, relief pitcher for the Wildcats, also hit a single that brought in Gleaton.

The Wildcats left two runners stranded on base in the third inning, but (in the fifth inning) tallied what turned out to be their final run of this hard-fought game.

Dennis Adams, of the Wildcats, was safe at first on an error, stole second, and scored on a single by Paul Douglas. A strike out followed and the Yankees worked a smooth double play to end the inning and get out of further trouble.

A ground ball hit to the Yankee short stop forced Douglas to hold up briefly at second while the play was made at first base to get the hitter. From first base the ball was rifled back to third in time to put out the Wildcat base runner attempting to move from second to third.

The Wildcats also threatened to score in the sixth and final inning of Monday night's game. The visitors had a runner on second base with two outs when a long fly ball to deep center field was hauled in by John Harris of the Yankees to end the game.

Roby, the Yankee pitcher, was tagged for 4 hits and struck out 12 as he went the distance on the mound for the Major Division leaders. Pitching chores for the Wildcats were divided between Joe Norris and Todd Rowland, who allowed just 3 hits and struck out 11.

The second half of the China Lake Little League Major Division season began on

(Continued on Page 7)

20-mile bike race slated at Sunshine Festival tomorrow

A 20-mile bicycle race, planned as part of this weekend's Sunshine Festival at Inyokern, will be held tomorrow morning.

There is a 50-cent entry fee, and there will be separate competitive divisions for men and women and boys and girls 17 years of age and under.

For those who want to go all out, trophies will be awarded to those with the fastest times in each division, and there will be ribbons to those who place second through fifth in each division.

In addition, prizes donated by Frisbee's Bicycle Shop in Ridgecrest will be given to those who come the closest to predicting their time for traveling the 20-mile distance.

Those who wish to vie for these prizes can pedal at a more leisurely pace.

Registration for the bicycle race will take place at 7:30 a.m. tomorrow at a point on Inyokern Rd. 100 yds. east of the freeway section of Highway 395, and the race will get underway at 8 o'clock.

The cyclists will pedal north on Highway 395 past Brady's Cafe and Greenacres to Brown Rd., and then return to Inyokern via Brown Rd.

Additional information can be obtained by calling Chuck Lewis at NWC ext. 2525 or after working hours at 375-9580.

Motocross races set Sun. at Valley Wells Cycle Park

This weekend, Indian Wells Valley and Searles Valley motocross racers and enthusiasts are invited to attend motocross races that will be held on Sunday at the Valley Wells Cycle Park, located five miles north of Trona.

Beginner, intermediate, and expert riders in 80cc, 125cc, and 250cc divisions have an opportunity to compete in this event. There are also 50-60cc, powder puff and old-timers' divisions.

For entrants, there is a \$10 fee, and for spectators there is a gate fee of \$3.

Trophies will be awarded to winners in the various classes.

For more information about the upcoming race call Ron Matheny at 372-5709. The all-new Valley Wells Cycle Park has a playground and shade trees, as well as a concession stand.



FAREWELL TO NAVY — Four chief petty officers exchange salutes with sideboys assembled for the occasion as they are "piped over the side" during a retirement ceremony held last Friday at the Chief Petty Officers' Club. The four retirees are (l.-r.) ADCS Arthur Underwood, AMCS David Fena, AEC Samuel Morrison, and DPC Donald Derryberry. ADCS Underwood was assigned to duty at NWC. The other three CPOs served their last hitch in the Navy as members of Air Test and Evaluation Squadron Five (VX-5).

Retirement ceremony conducted for four CPOs

A retirement ceremony for four chief petty officers who had served a combined total of more than 80 years in the Navy was held last Friday afternoon at the Chief Petty Officers' Club.

Capt. Paul F. Hollandsworth, Commanding Officer of Air Test and Evaluation Squadron Five (VX-5), served as master of ceremonies for this occasion, during which the retiring CPOs and their wives were honored.

Three of the chiefs who joined the ranks of retired military personnel were from VX-5. They are DPC Donald Derryberry, AMCS David Fena, and AEC Samuel Morrison. The fourth retiree was ADCS Arthur Underwood, of NWC.

Each of the chief petty officers from VX-5 received retirement papers, an American flag, and a VX-5 plaque. In addition, their spouses were the recipients of corsages and letters of appreciation.

OFFICERS TAKE PART

Three different VX-5 officers handled the individual retirements, with Capt. N. B. Nash, Cdr. R. L. McKinney, and LCDR. R. K. Hull going through the time-honored ritual with AMCS Fena, DPC Derryberry, and AEC Morrison, respectively.

Capt. Nash is the VX-5 Executive Officer, Cdr. McKinney is the squadron's Chief Operational Test Director, and LCDR. Hull is the VX-5 Maintenance Officer.

The presentations to ADCS Underwood were made on behalf of Capt. W. B. Haff, NWC Commander, by LCDR. B. L. Dieckman, who heads the Aircraft Department's Maintenance Control Branch.

ADCS Underwood received both an NWC retirement plaque and a retirement plaque from the Indian Wells Valley Chief Petty Officers' Association that was presented by Chief Chicky, president of the CPOA.

Eight sideboys — four each from VX-5 and NWC — saluted the retiring petty officers as they were "piped over the side" at the conclusion of the combined retirement ceremony.

During the reception that followed, a large cake that was decorated with the VX-5 and NWC emblems, as well as the names of the four veterans of service in the Navy, was cut and served to those in attendance at this event.



Haff speaks at graduation . . .

(Continued from Page 1)

Commencement speaker continued, is the necessity to pay the price of peace. This can only be achieved through military preparedness, he emphasized.

Major emphasis was placed on personal integrity by the NWC Commander. "You know what it is," he told his listeners. "It's that old standard that tells you what is good or bad, right or wrong, honest or deceitful.

"Always maintain your personal integrity," Capt. Haff urged. "Let it drive your life and you'll give this country of ours a fabulous gift. Use every ounce of your personal integrity all the time. Try to wear it out. Reach for an overkill," he added.

"Your mundane daily habits set the tempo for your life. Give this country and our society the very best you have, for if you don't it will cost you. That cost will be in your relationship to others, but more importantly it will cost you in your relationship to yourself.

"If you want to climb the real mountains in life, you must have integrity," the NWC Commander stated at the conclusion of his Commencement address.

Capt. Haff paraphrased a statement by the late President Dwight Eisenhower, stating: "Until war is eliminated from

international relations, unpreparedness for it is well nigh as criminal as war itself."

It was the view of the NWC Commander that the "guns-or-butter debate stands out starker today than ever. "Treating defense as just another social service competing for funds will dangerously confuse present efforts for a sound defense policy," he added.

Capt. Haff concluded his Commencement address by imploring all those in attendance — graduates, parents, faculty members, and others — to "join in the search for a 'reUnited States of America'" as he expressed his belief that each individual can and must do his or her share in helping to resolve the crises that America faces.

Student speaker for the Commencement exercise was Glen Banister, who was the recipient of the Fire Mountain Foundation Award as the outstanding student in the graduating class.

Among the members of the Cerro Coso College Class of '81 was George Ann Grogan, who at 72 years of age was the oldest member of the class. A resident of California City, she completed studies three years ago for an Associate in Arts degree, but had not applied for it until this year. She plans to study data processing during the coming year and hopes to earn an Associate in Science degree a year from now.

An example of persistence for other students to follow was set by Mimi Merrill, who earned her AA degree at age 55 after nine years as a student at Cerro Coso College. She is Cerro Coso's first graduate to major in philosophy, and plans to continue her studies in this subject at the University of California in Berkeley.

Gift from WACOM's Thrift Shop boosts NRA fund drive to \$3,500

A contribution of \$2,025, made directly to the local Navy Relief Society office by the Women's Auxiliary of the Commissioned Officers' Mess, has boosted the annual fund drive for support of Navy Relief to a total of more than \$3,500, campaign officials reported this week.

The donation from WACOM was derived from profits that have accrued from operation of the Thrift Shop.

The goal announced at the beginning of the Navy Relief Drive was to exceed last year's goal of \$8,000. In the hope of realizing this goal, the fund drive was extended two weeks from its original closing date of June 5 and will wind up on June 19.

LCdr. E. J. Lancaster and Lt. J. D. Martin, co-chairmen of the NRS fund drive central committee, are hopeful that the principal contacts in each of the departments and attached activities on the Naval Weapons Center have made

substantial progress in contacting prospective NRS donors among the work force at China Lake.

Key persons will be collecting such contributions and turning in the money they receive either to LCDR. Lancaster, Lt. Martin, or to any of the following NRS fund drive committee members: Ens. Dennis Eberhart, Ens. Cynthia Kurtz, Ens. Ken Dorrell, Lt. Rick Feauto, Lt. John Kelly, and Ens. Sharon Beck.

The Navy Relief Society provides emergency financial assistance to active duty and retired Navy and Marine Corps personnel to help meet basic needs. These needs may be food, shelter, medical and dental expenses, or financial aid needed for travel on emergency leave.

Such help is given in the form of no-interest loans and outright grants, or a combination of the two.

The Navy Relief Society also does budget counseling and makes referrals to other agencies when problems are not within the scope of Navy Relief policy.

Although the primary purpose of the NRS is to provide monetary assistance for the basic needs of active and retired Navy and Marine Corps personnel, their dependents, or surviving widows and children, the Society also performs other services.

One such service is to provide vocational training for widows or orphans at either public or private schools when the training is needed in order to support the family.

Navy Relief policy is governed by a list of guidelines that state what the Society may or may not do. Occasionally unusual circumstances will arise and an exception to the policy is then considered.

Contributions to the Navy Relief Society are not used to pay salaries or any kind of administrative expenses.

The Navy Relief Office at China Lake is located on King Avenue, next to the CACC Office and Enlisted Dining Facility. It is open from 11 a.m. to 2 p.m. on Monday, Wednesday and Friday. If an emergency should arise outside of regular working hours, a volunteer can be contacted through the OOD, the chaplain, or the Red Cross office.



BOOST FOR NAVY RELIEF — Cdr. John Allen, senior chaplain at the All Faith Chapel and executive director of Navy Relief at NWC, accepts a donation of \$200 for the Navy Relief Society fund drive from Dr. Robert F. Burnes, president of PRC Ridgecrest Engineering Co. The Navy Relief fund drive at China Lake has been extended to June 19. —Photo by Don Cornelius

Talk about TransPac Yacht Race slated at NavyLeague meeting

Ruel Cameron, a contestant in the TransPac Yacht Race that will get underway on July 3 from Los Angeles Harbor for Honolulu, will speak at the June 11 meeting of the Indian Wells Valley Council, Navy League of the United States.

Cameron, a budget analyst at NWC, will describe preparations for this race along with his navigator Doug Blew, an engineer at the Naval Weapons Center.

This will be Cameron's third time out in the TransPac Yacht Race, and he has been working on preparations for the 1981 race since 1979.

LCdr. Byron Dieckman, head of the Maintenance/Material Control Branch in the NWC Aircraft Department's Aircraft Support Division, is also a crew member on the Tahuna, a 36-ft. Columbia sailboat, as are Lt. Col. Scott Smith, of the Marine Corps Liaison Office at NWC, and his 19-year-old son, Scott, and Sam Walker, of Redlands.

All interested persons are invited to attend the Navy League dinner at 7:30 p.m. on June 11 at El Charro Avitia Restaurant in Ridgecrest.

Wednesday, June 10, is the deadline for reservations which may be made by calling 446-5488 or 446-7244.



MARINE M/SGT. RETIRES — Twenty years of service in the Marine Corps ended in mid-May for M/Sgt. Paul Proctor, USMC, an aviation ordnance missile technician, who is shown receiving best wishes from Lt. Col. W. S. Smith, acting Marine Corps Liaison Officer at NWC. M/Sgt. Proctor was transferred here from the 1st Marine Aircraft Wing at Iwakuna, Japan, and served nearly five years at China Lake. He plans to remain in the local area and will be involved in aviation ordnance work for a contractor in Ridgecrest. —Photo by Don Cornelius

Thompson, McLean Awards . . .

(Continued from Page 1)

in 1951 following graduation from the University of Utah with a bachelor of science degree in electrical engineering.

Dr. Rehn was singled out to receive the Thompson Award in recognition of his exceptional scientific ability, creative contributions, and energetic approach to the development of the technique that has now become internationally known as photon stimulated ion desorption (PSID). Dr. Rehn, who is the co-inventor of this technique, also was commended for conceiving and establishing the Michelson Laboratory Synchrotron Radiation Project (MLSRP).

PSID is a powerful new technique that already has proven vitally important in shedding light on mysteries surrounding the Naval Air Systems Command's program of superconducting microwave cavities, and has helped to identify critical surface contamination of superconducting materials prepared under the Joint Services Electronics Program.

According to Dr. E. B. Royce, head of the NWC Research Department, who nominated Dr. Rehn for the Thompson Award, PSID will solve major questions in the field of surface interaction of semi-conductors and optical thin films.

16 YRS. IN RESEARCH DEPT.

Dr. Rehn joined the Research Department in 1965 as a physicist in the Physics Division. He has a bachelor of science degree in physics from the University of California at Berkeley, and a Ph.D. from the University of Pittsburgh.

Ryno received the prestigious Thompson Award for his contributions to improved methods of fuze and sensor development.

In 1968-69, Ryno recognized the potential impact of Microwave Integrated Circuit (MIC) technology (then in its infancy) on uze development. He selected for in-house development one approach that has since become the national standard.

According to R. A. Boot, head of the Fuze and Sensors Department, who recommended Ryno for the Thompson Award, the honoree installed a prototype fabrication plant and, in 1974, produced the first MIC subsystem for the new fuze for the Side-vinder AIM-7F missile.

Since then MIC technology has been used in every new microwave development undertaken by the Center, including FAE I, RIM-7F, and AIM-54 — with dramatic benefits accrued in system size, weight, cost, producibility, and performance.

Ryno also has designed and developed specialized antenna systems operating at frequencies up to 80 GHz for all of the scaled-frequency analogs used at the NWC Encounter Simulation Laboratory and aircraft antennas for attack warning radar systems.

In the field of radio frequency (RF) propagation and scatter, Ryno perceived a critical need in the fuze development program to calculate the total radiation and scattering characteristics of aircraft, missiles, ships, and the ocean surface. This need stems from requirements to install antenna systems on aircraft and warships that are capable of detecting enemy aircraft and warships in high clutter environments.

TEAM EFFORT PLAYS OFF

Ryno selected an approach best calculated to solve the Navy's problems, attracted into his group two specialists skilled in these disciplines, and established what his department head referred to as "an extremely productive relationship with similar specialists at Ohio State University. As a result of this effort, the Center has acquired an unequaled capability to perform in this field." Boot wrote in recommending Ryno for the Thompson Award.

Ryno began his Civil Service career working for the Sacramento Signal Depot for five months prior to attending California State Polytechnic College. Following his graduation with a bachelor of science degree in physics, he went to work for the Naval Ordnance Laboratory, Corona. With other members of what is now the Fuze and Sensors Department he transferred to China Lake in 1970.

The McLean Award was established in 1968 to recognize outstanding creativity among employees in furthering the mission of the Naval Weapons Center as evidenced by significant inventions.

This award pays tribute to the late Dr. McLean, NWC Technical Director from 1954 to 1967, whose leadership, vision, and tremendous personal contributions to the mission of the Center brought lasting recognition and a distinguished reputation to China Lake.

Magorian was chosen to receive the McLean Award for his contributions to the advancement of technology in the fields of fuze and tactical radar design and testing. He is universally recognized as one of the Center's, the Navy's and the nation's foremost leaders in these areas, as evidenced

by his extensive list of inventions.

Magorian, who has a bachelor of science degree in electrical engineering from the University of Nebraska at Lincoln, transferred to China Lake in 1970, after having worked at NOL, Corona, since 1956. Magorian's many inventions have been applied to the development of advanced fuze and sensor systems that are now finding their way into the Fleet. Among the systems that are now in the advanced or engineering development state at NWC that have utilized his inventions are:

(1) The Dual Gate Target Detecting Device (TDD) found direct application in the Fuel Air Explosive (FAE) II weapon proximity fuze system. The primary feature of this invention is its foliage penetration capability that permits the TDD to distinguish foliage while providing a highly accurate means of determining proximity to the surface immediately beneath the foliage.

(2) A radar missile detector and warning system for the protection of helicopters was successfully demonstrated, and led to the later development of the Attack Warning and Protection System for which Magorian also has applied for a patent. The concepts Magorian developed have found their way into industry, most notably in the Missile Warning System now being developed by Honeywell for the protection of the Air Force's A-10 aircraft.

(3) Concepts developed in the Range Tracking Device for Portable Attack Warning, as well as for the Ranging Communicator on which Magorian has applied for a patent, have been applied to the RF subsystem of the Hybrid Terminal Assist Landing System (HYTAL).

The HYTAL system is still in development, but field tests have shown that this very simple range tracking technique is highly accurate and has great potential for a variety of applications.

Other notable developments that took place either under Magorian's direction, or which he accomplished personally, include:

(1) Experimental verification of target signature generation by radar modeling techniques.

(2) Definition and assessment of several Soviet missile fuzes.

(3) Definition and assessment of radar seeker/fuze concepts.

(4) Assessment of U.S./USSR chaff technology.

(5) Development of the Encounter Simulation Laboratory.

Police

reports . . .

With the start of the summer season at hand, the past week's reports from the China Lake Police Division were marked by a rash of bicycle thefts — a total of six in all.

In only one instance had the owner locked his bicycle, but this was to no avail as the two-wheeler (valued at \$200) was taken — lock and all — Monday night from a bike rack outside the Center theater.

An NWC employee also called China Lake police shortly after 11 a.m. Monday to report that his bike, which had been left unlocked on the north side of the Michelson Laboratory compound, had disappeared. Value of this bicycle was set at \$125.

Since Thursday, May 28, four other bicycles were stolen — one of which was recovered the next day in Ridgecrest.

A Navy enlisted man lost a \$200 bicycle that had been left unlocked in the Bachelor Enlisted Quarters area.

Two other bicycles were stolen from the Capehart A and B housing areas last Friday and Saturday. One, valued at \$10, was later recovered in Ridgecrest, but the owner of the other bike (worth \$100) wasn't so fortunate.

Still missing also is a bicycle, valued at \$75, that disappeared Sunday from its parking place outside the Center gym.

BURGLARY INVESTIGATED

Forced entry into a room at Barracks 880 has been investigated by China Lake police, who learned of the incident when the victim reported the loss of his wallet containing \$26 in cash. The burglary occurred sometime between 9:30 and 10 p.m. on May 28.

INCIDENTS OF VANDALISM

Vandalism caused a problem last Saturday at the Enlisted Mess swimming pool when unknown persons dumped a yellowish-green dye into the water.

The swimming pool was shut down for the day and the water was circulated through one complete cycle to clear it so that the pool could be reopened for use on Sunday.

An enlisted man from VX-5 was the victim of another incident of vandalism. He complained to China Lake police upon discovering that some initials had been scratched into the top of his car while it was parked during the noon hour last Friday in Bennington Plaza.

New airline to fly in, out of Inyokern starting on June 15

Starting on Monday, June 15, passenger service from the Inyokern Airport to Los Angeles, San Francisco and other destinations in California will be provided by the Inland Empire Airline.

Based in LaVerne, Calif., Inland Empire Airline will be flying in and out of Inyokern Airport with aircraft equipped to carry up to 19 passengers.

According to a spokesman for the Inland Empire Airline, the flight schedule has been designed to allow passengers from Inyokern to make excellent connections in both Los Angeles and San Francisco to points across the U.S. and overseas.

All northbound flights originating at Inyokern will make stops in Visalia and Fresno before continuing on to San Francisco and Sacramento.

The Inland Empire Airline currently serves Burbank, Fresno, Ontario, Los Angeles, Sacramento, San Francisco, and Visalia.

Navy Exchange Garden Shop now closed Sundays

Starting this Sunday the Navy Exchange garden shop, located next to the gas station, will be closed on Sundays.

The regular hours of operation are Tuesdays, Thursdays, and Fridays from noon to 5 p.m.; Saturdays from 10 a.m. to 3 p.m.; and on military pay days from noon to 5 p.m.

The garden shop is closed on Mondays, Wednesdays and Sundays.

Proposals outlined to improve quality of life in military

Legislative proposals designed to improve the quality-of-life in the military have been addressed to the Congress by Secretary of Defense Casper W. Weinberger.

The proposals, which include a July 1, 1981, pay raise of 5.3 percent for military personnel, are in addition to the compensation improvements of the fair benefits package which became effective on Jan. 1, 1981.

Secretary Weinberger said in outlining the proposals: "In combination with major compensation legislation enacted by the 96th Congress, the Administration Program will reduce long-standing deficiencies in military pay and restore past levels of compensation comparability. These changes not only will significantly enhance our ability to attract and retain the kinds and numbers of people we need to meet our military manpower requirements, but will also once again make our military people first class citizens."

Other details of the quality-of-life proposals include:

(1) Improvements in family housing, barracks, commissaries and related facilities.

(2) New construction of seven dependents' schools in Germany, Japan and Korea.

(3) Additional reimbursements to help defray moving costs when service members are reassigned.

(4) Cost of living allowances for single or unaccompanied members stationed overseas.

(5) Full funding of aviation continuation bonuses for aviation officers.

Talk on 'Structured Documentation' set at next IEEE meeting

The Institute of Electrical and Electronics Engineers, Inc., has announced its next meeting that will be held on Monday, from 11:30 a.m. to 12:30 p.m. in the Chart Room at the Commissioned Officers' Mess.

Gene Schneider, the guest speaker, will present a talk entitled "Structured Documentation."

According to Ms. Schneider, "Structured Documentation" is for anyone who is involved in either planning or writing manuals of any sort, for any product or process. It is needed for two reasons: there is no formal theory of what constitutes effective documentation, and there is no way to automate or delegate most documentation tasks.

"Documentation standards abound," Ms. Schneider states, "but most are unusable for the above reasons. Structured documentation solves both problems by providing a standard format for text and exhibits within a document and a standard process for planning and design of documents," she added.

Ms. Schneider is the chief consultant to NWC's Central Computing Facility in the areas of documentation and data acquisition/reduction. She is also in charge of maintaining the Cinetheodolite Data Collection System, which conditions data from the tracking cameras on the Center's ranges.

Movie matinees slated at theater this summer

"The Last Flight of Noah's Ark" will be the first of seven matinees scheduled during June at the Center theatre.

"The Last Flight of Noah's Ark," an adventure story, starring Elliot Gould and Genevieve Bujold, will be shown at 2 p.m. on June 9. Doors will open at 1:30 p.m., and the price of admission is 85 cents.

Other movie matinees scheduled for this month are "Star Wars" on June 16, "Song of the South" on June 23, and "The Love Bug" on June 30.



RETIREES FROM NAVY — George Armstrong, an aviation machinist mate 1st class, retired recently from the Navy during a ceremony conducted by Lcdr. E.J. Lancaster (at left) Executive Officer of Enlisted Personnel. AD1 Armstrong, a veteran of 19½ years of service in the Navy, has moved to the Seattle, Wash., area, where he intends to seek a civilian job in aviation-related work. Assigned to the Naval Weapons Center for the final 1½ years of his Navy career, he was supervisor of the maintenance check crew in the Aircraft Department's Aircraft Maintenance Division prior to his retirement. He came here in 1979 from Helicopter Combat Support Squadron 11 at NAS, North Island, in San Diego.

More land for geothermal . . .

(Continued from Page 1)

lease sale area range from 675 to 4,000 megawatts.

A megawatt is considered sufficient to provide the electrical energy needs of 1,000 people. Thus, at the more conservative estimate of 675 megawatts, there would be enough electricity for 675,000 people.

"If the upper estimates by some universities are reached," Dr. Austin said, "the output would be equivalent in crude oil savings to the entire production of Elk Hills — 175,000 barrels a day — or equal to one large nuclear generating plant."

Dr. Austin said the Navy soon will invite industry to conduct explorations in the NWC portion of the sale area for 90 days prior to the bid opening. He said the explorations will be carried out under Navy escort, guidance and scheduling. He also said his office will make available to industry non-proprietary information it has accumulated in the area to date.

Not open for bidding in the sale area boundaries on Center land will be 4½ square miles where the Navy has contracted with California Energy Corporation for geothermal development, and 2,560 acres which the Navy has reserved for other purposes.

Use of vehicle seat belts mandated by Navy Instruction

Is your life worth a few extra seconds?

Capt. John Patterson, NWC Vice Commander, has expressed concern for the safety of all personnel at the Naval Weapons Center in both government vehicles and in private vehicles and hopes that everyone will get the message and "buckle up."

According to OPNAVINST 5100.12A, all vehicles that are purchased, leased or rented for official government use shall be equipped with seat belts.

In addition, NWC regulations state that it is the responsibility of the vehicle driver to insure that all personnel, both military and civilian, either operating or riding as a passenger in the vehicle are using the seat belts both on Center and off.

The instruction also requires that in case of an accident, when no seat belt is worn and injury results, an addendum must be attached to the accident report and signed by the Commanding Officer or his designated representative, fully explaining why the seat belts were not used by the injured person and what action will be taken to prevent a recurrence of this type of incident.

purposes.

Dr. Austin said the leases on Navy land will be conducted in accordance with usual Interior Department rules and regulations, plus such access and operational constraints needed by the Navy and agreed to by the Department of Interior.

"As of this date," he added, "there is no requirement for a unit operator — that is, to have all successful bidders operate through one operator."

Three major transmission lines already cross an edge of the KGRA: Southern California Edison, Pacific Northwest Intertie, and the Los Angeles Department of Water and Power. It is estimated that electricity production from the KGRA could be on line in about five years from the award of leases.



SAFETY FIRST — Capt. John Patterson, NWC Vice Commander, calls attention to the Navy Instruction that calls for both operators and passengers in government vehicles to fasten seat belts when driving or riding in a motor vehicle. This also applies to the use of vehicles leased or rented for official government use.

Advisory gp. to set up college physics course hard at work

Cerro Coso Community College and the Naval Weapons Center have jointly established an advisory group on undergraduate physics course to assist the college in providing a proper instructional program in this subject.

To ensure the offering of Physics 1A this fall, this group has, for the past month, visited schools, assembled reference books, lab manuals and texts, inventoried equipment on hand, outlined possible experiments, and ordered materials.

The next step is to identify an instructor. The fall semester at Cerro Coso will begin on Aug. 19 and run through Dec 18. The Physics 1A class involves 3 hours of lecture and 3 hours of laboratory.

The Physics 1A advisory group is currently involved in assessing the equipment that is available and preparing it for classroom use. In addition, a text must be selected and lesson plans and experiments outlined.

A job order will be provided by the NWC Personnel Department's Personnel and Organization Development Division (Code 094) covering an NWC employee's time to prepare for and teach the class. Aid to the instructor in the form of a lab assistant or teaching aide also is a possibility.

Prospective instructors of the Physics 1A class are invited to submit a resume of their experience to Vicki Munro, Code 094, by June 19. Qualifications are a master's degree in science, engineering, math or a related field.

In addition to meeting the qualifications for instructor, applicants must have a high degree of interest and motivation in teaching this class, as well as the time to devote to the task of setting up the physics program at Cerro Coso College.

The following members of the Physics Advisory Group will provide advisory support and other required assistance to the instructor: Charles Frederickson, Code 36801; Steve Lee, Code 32; Vicki Munro, Code 094; Ken Pringle, Code 383; Alex Shlanta, Code 3918; and Andy Victor, Code 324.

Saving water means energy saving says Dept. of Energy

According to Department of Energy figures, 30 gallons of water are required to adequately fill the average home bath tub with about 9 inches of water.

A short shower, using a shower head that restricts water flow to 3 or 4 gallons a minute, can take considerably less water. Along with the water saving comes energy saving as well because less hot water is needed. (People generally do not take long cold showers.)

The Energy Program Office encourages energy saving throughout the Center, including in the housing area. About 14 percent of the Center's total energy is consumed by the residential area. Of this amount, about 20 percent — nearly 43,000 MBTUs — is used to heat water.

'Neighborhood Policing' subject at ASPA meeting

Bob Norman, Ridgecrest chief of police, will speak on the subject of "Neighborhood Policing, Watchword for the 80s," at an open lunch meeting of the American Society for Public Administration on Friday, June 19.

The meeting will be held at the Commissioned Officers' Mess and will begin at 11:30 a.m. Members of the public are welcome to attend.

Lunch tickets must be purchased by close of business on Monday, June 15. Tickets can be ordered by telephoning either Joan Crista at NWC ext. 3537 or Bill Eichenberg at 375-1321. Menu selections are either chef salad or roasted chicken. Both cost \$3.75 per plate.