Barbershop singers will present a special Bicentennial program of music tomorrow night at the Burroughs High school lecture center, beginning at 8 o'clock.

The program, hosted by the Indian Wells Chapter of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America, will be entitled "Salute to America" and include renditions of American music of the last 200 years by choruses, quartets and soloists.

Tickets for the event, priced at \$2.50 each, are available at the Medical Arts Pharmacy, the McCormick & Reynolds Tire Co. and The Music Man in Ridgecrest and from any member of the local SPEBSQSA chapter. They will also be available at the door on the evening of the performance.

Aproximately 60 performers will take part in the show, whose proceeds will be used to support the Institute of Logopedics in Wichita, Kan. Visiting barbershop song groups from Bakersfield, Antelope Valley and the Santa Clarita Valley in the Newhall-Saugus area will participate in the program, along with two local quartets, The Medallions and the Next Quartet, and the Indian Wells Valley Chorus.

Among those scheduled to sing a solo number is Rear Admiral R. G. Freeman III. NWC Commander, who will also be the narrator for this "Salute to America."



IN REHEARSAL - Rear Admiral R. G. Freeman III, NWC Commander, (seated at right) and Clay Panlaqui rehearse a number for the Bicentennial program of music to be presented by barbershop singers at the Burroughs High School lecture center tomorrow night at 8 o'clock. Looking on are members of the Indian Wells Valley Chapter of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America, who will also participate in the program. Panlagui is director of the show -Photo by Ron Allen

Spring Festival opens May 26 at fairgrounds

The 16th annual Spring Festival, spon- organizations at their booths. The sponsors sored by the Fr. Crowley Council of the Knights of Columbus, will get under way next Wednesday, May 26, at the Desert Empire Fairgrounds in Ridgecrest, and continue over the Memorial Day weekend (through Monday, May 31).

Gates will open at 5 p.m. on Wednesday, Thursday and Friday, while activity will begin at noon on the remaining three days of this yearly fete. Closing times will fluctuate, but the carnival is expected to shut down at around 11 p.m. on Wednesday and Thursday and remain open until midnight on Friday, Saturday and Sunday. There also will be an earlier closing hour on Monday, May 31.

SJM Fiesta Shows To Return

general chairman of the 1976 Spring at the Ridgecrest Lions Club booth. Festival, the SJM Fiesta Shows will again provide the carnival and midway attractions. In addition, a number of local booths along the midway.

Everything from hamburgers to popcorn the Coast Guard Auxiliary. will be offered by local clubs and

will cook their traditional Knightburgers. while hot dogs will be sold at the American Legion booth and the Eagles Lodge will be serving chili and tacos.

Soft Drinks, Refreshments

In the soft drink and refreshment line, there will be ice cream, hot chocolate and cold sandwiches at the Fleet Reserve booth, popcorn, an orange freeze drink and other soft drinks at a booth manned by members of St. Ann's Parent-Teacher Group, and the Eagles Auxiliary also will have soft drinks

Pizza will be prepared and soft drinks sold by the Kiwanis Club of Ridgecrest, and the National Association for the Advancement of Colored People will be According to Joe Schmidt, a past Grand cooking fried chicken. Other hot food will Knight of the local KofC who is serving as include corn on the cob with plenty of butter

In addition to activity on the midway, booths will be set up in Joshua Hall by candidates bidding for votes in the June fraternal, charitable and service Primary Election, by local automobile organizations will set up food and game dealers, the Ridgecrest Chamber of Commerce, the local Navy Recruiter, and

Members of the Lions Club of Redondo





SPRING FOLK DANCE FESTIVAL HIGHLIGHTS — The Community Center was the setting last Saturday afternoon and evening for a spring folk dance festival and international food bazaar. Special attractions for the folk dance fete, which was arranged by the Desert Dancers, were the musical entertainment provided by the Pecurka International Folk Band (at top right), and exhibitions of Scottish and Polish dances that were presented (top left and lower left) by members of the Royal Scottish Dance Society and by Polski Iskry (bottom row center and right). A sizable audience was on hand to watch the dancers perform, and some folk dance enthusiasts came from as far away as San Diego on the south to Mammoth Lakes on the north to participate in this event. -Photos by Ron Allen

Beach will be back at Joshua Hall with a booth offering leather goods for sale, and vet another booth will be set up to advertise the availability of kayak trips on the Kern

> Special entertainment that has been confirmed (as of press time) and will be presented either in Joshua Hall or at an outdoor stage area will include guitar playing by Joey Pickens and Laura Reymore from 8 to 8:30 p.m. on Thursday, May 27; square dancing by the Jim Dandies square dance club from 8 to 9 p.m., and music and song from 10 to 11 p.m. by The Crash, a local music group, both on Friday, May 28.

Admission to the Spring Festival at the fairgrounds' gate will be 25 cents per person for everyone 12 years of age and over. Prior to opening of the Spring Festival, books of discount tickets which are good for any of the carnival rides on the midway are being sold at various business locations in Ridgecrest, as well as by groups and organizations that are participating with the Knights of Columbus in this year's fete.

Orchestra, college choir to present concert on Sunday

Five soloists, the Desert Community Orchestra, and the Cerro Coso Community College Choir will combine their musical resources to bring the community a complete concert rendition of Mendelssohn's

The performance will be presented on Sunday, starting at 7:30 p.m., in the Burroughs High School lecture center. Although the orchestra and the choir usually hold their concerts in the college lecture hall, arrangements have been made to hold this performance in a larger hall in order to allow more local area residents an opportunity to have this musical ex-

Tickets, on sale at the door, will cost \$1 for students and \$2 for adults.

Two professional soloists from Los Angeles have been obtained for "Elijah." Richard Wagner, baritone, will sing the part of Elijah, while Tom Oberjat, tenor, will carry a number of parts in that range. Local outstanding singers to be featured as soloists include Karin Jain and Rosemary Matthews, sopranos; and Bonnie Wilson,

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

> (G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED

Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying

Parent or Adult Guardian CS - Cinemascope STD - Standard Movie Screen

Regular starting time-7:30 p.m. Program subject to change without notice

"BIG BAD MAMA" (87 Min.) Angie Dickinson, Tom Skerritt

(Crime Melodrama) Angie Dickinson's Uncle Barney was killed by federal agents. She and her two daughters try to carry on his bootlegging trade and pull off other capers, including the robbery of an oilfield payroll. In the final bloody shootout, Mama is killed. (R)

> "DOG POUND SHUFFLE" (97 Min.) Ron Moody, David Soul

(Drama) This feature centers around an old veteran of the English Music Hall, who is reduced to being a street entertainer. His most valuable possession is his dog, who he has taught to dance while he plays and sings. One day while chasing a cat his dog gets lost. There is pathos and mucl humor to be found in the veteran entertainer's efforts to get his dog back. (G) "SHAMPOO" (112 Min.)

Warren Beatty, Goldie Hawn (Comedy-Drama) During the 1968 elections, Beverly Hills hairdresser Jay Robinson (Warren Beatty) accommodates his customers with extracurricular services. This is a bawdy, and frequently outrageous sex farce. The film focuses on Robinson, a disreputable character, who wants a salon of his own while carrying on affairs with the wife and daughter of a potential benefactor. In addition, he has a long-time mistress who finally ditches him to lead a more normal life with another man. Beatty is then left hung-up as his little world falls apart. (R)

"THE DOVE" (105 Min.)

Joseph Bottoms, Deborah Raffin (Adventure Drama) "The Dove" is the name of a 24-foot sloop which carried a 16-year-old boy on an incredible, five-year, 33,000 mile voyage around the world. (PG)

"ISLAND AT THE TOP OF THE WORLD"

Donald Sinden, David Hartman (Adventure Story) Adventure story about a wealthy Englishman (Donald Sinden), who organizes an Arctic expedition in 1907 to search for his missing son. He and archeologist anthropologist David Hartman travel north in a dirigible piloted by senior navigator Jacques Marin. They find a lost civilization of Vikings living in an island paradise. (G)

"THE GREAT WALDO PEPPER" (108 Min.) Robert Redford, Bo Svenson

(Adventure Comedy Drama) A group of barn storming pilots relive their WWI experiences for Hollywood movies. The dramatic climax shows that these early fliers would rather live out their lives facing danger in the air than confronting everyday problems on the ground. (PG)

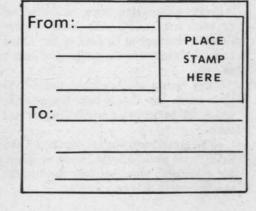
"LIVE A LITTLE, STEAL A LOT" (102 Min.)

Robert Conrad, Don Stroud (Suspense Drama) This is the picturization of an event that was front page news about ten years ago — the heist of the world's largest sapphire, the Star of India, (564.35 carats) from the supposedly impregnable New York Museum of Natural History. It is the story of "Murf the Surf" and Allan Kuhn, two Miami beach boys, who join forces for this and other thefts. (PG)

"DIRTY MARY, CRAZY LARRY" (93 Min.) Peter Fonda, Susan George

(Action Drama) Two stockcar-racing enthusiasts extort \$150,000 from a supermarket so they can buy a first-class racing car. Lawmen in the helicopters pursue the pair through a series of escapades, (PG)

U.S. Government Printing Office: 1976 - 642 / NO410



Center's EEO Award given to Floyd Castillo

Flovd R. Castillo, a supervisory general supply officer in the Material Division of the Supply Department, was singled out earlier this week to receive the Naval Weapons Center's Equal Employment Opportunity (EEO) Award.

The presentation of this award, which has occurred on just two previous occasions at NWC, was made Monday morning by Rear Admiral R. G. Freeman III. NWC Commander, during the weekly Commander's meeting.

Among those in attendance at the ceremony, during which Castillo received a plaque and a letter of commendation, were Capt. F. E. McDonald, NWC Director of Supply; William B. Porter, head of the Weapons Department and chairman of the EEO Committee; Alice A. Pastorius, acting deputy EEO officer, and Mrs. Castillo.

The Center's EEO Award was established in the latter part of 1973 as a means of recognizing employees for their significant achievements in providing equal employment opportunity at China Lake. Its purpose is threefold:

First, to demonstrate the value which Center management places upon employees, supervisors, and managers who actively and effectively contribute to EEO. Second, to give due and proper honor and distinction to those who, recognizing the right of equal opportunity for all, excel in providing this opportunity to others seeking

And, third, to give impetus to the EEO program by publicizing the superior accomplishments of the award recipients and (Continued on Page 5)

employment or already working for the

Federal service.

NAF helicopter carries injured man to hospital

Another successful mission, attesting to the value of having such a service available, was logged in this past Monday morning when a search and rescue team from the Naval Air Facility brought an injured fisherman out of a remote area of the Kern River Canyon via helicoper to the Ridgecrest Community Hospital.

The accident victim was Art Delano, 34, of Woodland Hills, Calif., who suffered a possible broken ankle when a minor landslide occurred and he was pinned down by several large rocks.

A fishing companion notified Tulare County deputy sheriffs about the predicament his friend was in, and a message to NAF via the Western Area National Search and Rescue Coordinator set the wheels in motion for the rescue mission that followed.

A UH-1N Huey helicopter, piloted by LCdr. Michael Rij, left the airfield carrying ADJ2 Gordon K. Draper, as crew chief; ADJ3 Robert Martino, as crewman; and two medical corpsmen, HM3 Michael D. Elam and HM Richard J. Schluber.

Enroute to the accident scene - about 16 miles north of Fairview along the Kern River - LCdr. Rij landed and picked up the injured man's companion who directed him to the exact spot where the accident victim was located.

Due to the hazardous terrain and wind conditions, the helicopter couldn't be landed, but LCdr. Rij was able to move 200 yards away and keep the powerful aircraft under control as it hovered 50 ft. above the ground.

ADJ3 Martino and HM3 Elam were then lowered in a hoist and made their way over rough terrain to the injured man, who was given first aid at the scene, strapped into a litter, and carried back to the point where he could be lifted into the helicopter for the trip to the hospital.

Enroute to the local medical facility, where Delano was treated and then released, HM Schluber monitored the injured man's vital signs.



May 21, 1976

Vol. XXXI, No. 20

NWC employee to pilot balloon on scientific flight to chart movement of air pollutants

Jimmie Craig, a Naval Weapons Center employee who has had extensive experience in piloting balloons for scientific missions, has joined a team of researchers who will go aloft in a giant balloon to probe and chart the movement of air pollutants emanating from a major American city.

Da Vinci II, as the helium-filled and heavily-instrumented balloon is called, will be launched near St. Louis, Mo., for a flight that is planned (weather permitting) to last up to 36 hours and could begin as early as Monday or as late as mid-June — again depending upon the weather.

The upcoming flight, second in the Project Da Vinci series, is a joint effort of the Energy Research and Development Administration (ERDA), its Sandia Laboratories, the National Geographic Society, and the National Oceanic and Atmospheric Administration (NOAA). Other major participants are the Environmental Protection Agency (EPA) and the Institute for Storm Research in Houston, Tex.

Direction Determined by Wind Depending upon the air currents, the balloon and its four-member crew could be carried along with the same general mass of pollutants over Illinois, Indiana, Kentucky or Ohio.

Craig, a program manager in the Swimmer Vehicle Branch of the Weapons Department, was the pilot on the first Da Vinci balloon flight that was launched on Nov. 2, 1974. The Da Vinci I flight lasted 12 hours and covered territory from Las Cruces to Wagon Mound, N.M. (near the Kansas border). This initial flight established the feasibility of using an instrumented, manned balloon as a basic tool



READY FOR NEXT BALLOON FLIGHT - Jimmie Craig (second from right), an NWC employee, will pilot the balloon for the upcoming Da Vinci II flight. He is now back in St. Louis, Mo., involved in scientific meetings and conferences that will precede the launch, which could be as early as Monday. The others who will join in this atmospheric research effort are Dr. Rudolph J. Engelmann (at left), Vera Simons and Otis Imboden.

for research in the lower atmosphere.

The same crew members who manned Da Vinci I will be on board the Da Vinci II flight. In addition to Craig, they are Dr. Rudolf J. Engelmann of NOAA, who conceived the total scientific program for the flights; Vera Simons, the co-pilot, who

originated the idea for Project Da Vinci and is an experienced balloonist, artist and inventor; and Otis Imboden, a National Geographic Society photographer. The latter will assist Dr. Engelmann with the scientific equipment and take documentary

(Continued on Page 3)

that as we get older, this is being lost to

some extent, and this may be because we

are getting older," the Research Depart-

ment head observed on the eve of his

He acknowledged that Dr. McLean's

ingenuity and know-how which led to

development of the Sidewinder missile was

retirement.

Dr. Hunter, Research Dept. head, to retire

combined valuable contributions to the tury he devoted to scientific endeavor at Federal government and the Navy in his China Lake and (for a time) at the NOTS role as a department head, as well as in Pasadena Annex, Dr. Hunter stated: "The other administrative and scientific posts at thing that impressed me most was the China Lake, will come to an end on Friday, substantial amount of freedom enjoyed by June 4, for Dr. Hugh W. Hunter, who will be retiring on that date.

supported research in the best traditions he added. of Dr. L. T. E. Thompson (NOTS' first Technical Director) and Dr. William B. McLean (who succeeded Dr. Thompson as Technical Director). That is, you start with the best people, give them full and complete
I've ever seen it to be in other government support to do their job, and you continue that support on the basis of excellent

Dr. Hunter has been commended many times for his contribution to the Naval Weapons Center's technical program accomplishments during the nearly 25 years that he has been associated with NWC and its forerunner, the Naval Ordnance Test Station.

Received Thompson Award

In addition, as head of the Research Department for the past 11 years, he has been singled out for his outstanding role in the integration and application of applied and fundamental research to the advancement of ordnance. In the spring of 1971, Dr. Hunter received the L.T.E. Thompson Award — the Center's highest recognition for outstanding individual achievement.

In recalling what has been to him the

A long and outstanding career that has most significant facet of the quarter cen- laboratories. I think it's fair enough to say technical people to explore things that seemed to them to be worthwhile exploring. As one of his long-time co-workers This wasn't just in the Research Departmmed it up, "Dr. Hunter has always ment, but pretty much across the board."

"Enabling the man who was closest to the work to put his own technical judgments into the act brought about a sense of involvement that has been deeper here than

Dr. Hugh Hunter

there also have been a whole flock of little things which followed the same pattern. "When Dr. McLean's conviction came along that we could put guidance into a missile, contributions came from all sectors of the technical and scientific community at China Lake," Dr. Hunter recalled. Change in Emphasis Noted

Since 1965, when he returned to China Lake following nearly 51/2 years as vicepresident for research for the Research Triangle Institute (RTI) in Durham, N.C., to head the Research Department here, the biggest change has been the increasing emphasis on the relevance of work to the current mission of the Center, Dr. Hunter

Some of the major accomplishments of this past 11 years have shown up as very real technology spin-offs, such as the ability to take advantage of certain natural conditions to create rainfall, the man who is soon to retire as head of the Research Department said.

Also mentioned were the contributions of John Pearson and Dr. John Rinehart to the knowledge about fracture of metals and in

(Continued on Page 4)



FIREMEN MOVE UP PROMOTION LADDER — Congratulations were extended recently by Fire Chief W. R. Knight (at left) to five of the men in the Fire Division who have been promoted. Shown receiving a certificate denoting his promotion to the post of fire prevention coordinator is Dick Rivers. The others, and their new assignments, are (I.-r.) Ron Bailey, fire captain in charge of Fire Station No. 1; Leroy O'Laughlin and Darrell Johnson, assistant fire chiefs, and Bill Pahl, deputy

Promotions in top echelon of **NWC Fire Division announced**

New top echelon assignments were announced last week within the Naval Weapons Center Fire Division by Fire Chief W. R. Knight.

Bill Pahl, a veteran of 30 years' experience as a civilian fire fighter with the Navy, has been promoted to deputy chief. He replaced Leonard Head, who has left China Lake for an assignment as deputy fire chief of the Naval base at Cubi Point on the Island of Luzon in the Philippines.

In addition there are two new assistant fire chiefs. They are Darrell Johnson (now in charge of the first platoon) who moved into the spot vacated by Pahl's promotion, and Leroy O'Laughlin, who commands the second platoon. The latter is filling the vacancy created by the departure of Andy Weiss, who was selected to fill a fire marshal position on the East Coast.

Also promoted was Ronald Bailey, a former lieutenant in the Fire Division, who is now the fire captain in charge of Fire Station No. 1. In addition, Dick Rivers has been appointed to serve as the fire prevention coordinator. He was previously a fire prevention inspector.

Deputy Fire Chief Pahl transferred to NWC this past February after serving for seven years as fire chief of the Naval Amphibious Base at Coronado, Calif. His 30 years in fire prevention work for the Navy have been centered in the San Diego area. where he spent 18 years as a fire boat and fire truck operator at the San Diego Naval Station and five years at NAS Miramar, where he worked his way up from fire fighter to crash crew captain prior to

moving to Coronado in 1969. Assistant Fire Chiefs Johnson and O'Laughlin are both former Navy enlisted men who served as fire fighters at the Naval Air Facility fire station from 1962-65. Upon his discharge from the Navy in 1966, Johnson joined the civilian fire fighting force at China Lake and has remained with the Fire Division ever since. O'Laughlin joined the NWC Fire Division in 1969.

Both men worked their way up from fire fighter to driver operator to fire lieutenant and fire captain before their most recent promotions to the position of assistant fire

Bailey, the newly-promoted fire captain, had one year of experience as a volunteer fire fighter in Trona before he joined the Fire Division here in 1967. As a fire captain at Station No. 1, he is responsible for directing the operations of two pumper trucks and crews, a rescue truck and the Fire Division ambulance.

Rivers, a former fire prevention inspector at China Lake, succeeds Johnson as fire prevention coordinator at the Naval Weapons Center. He has been employed by the Fire Division at China Lake since July 30, 1967, when he was hired as a firefighter

Before assuming his present duties as fire prevention coordinator, he served for varying lengths of time as a driveroperator, crew chief and fire prevention

Hours changed at Navy check cashing facility

New hours of operation are now in effect at the Navy Exchange check cashing

The facility is open Monday through Friday from 10 a.m. until 1 p.m. and on military paydays from 10 a.m. until 4 p.m. It will be closed on Saturdays.

Checks for up to \$50 may be cashed at the registers when the cash cage is closed. They also may be cashed at any time for \$10 over the amount of a purchase.

The Rocketeer

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NWC Commander

Dr. G. L. Hollingsworth Technical Director C F Van Hagan

Technical Information Department

Don R. Yockey James J. Stansell

Associate Editor Terri Jacks

Editorial Assistant

Ron Allen Staff Photographer



DEADLINES: Tuesday, 4:30 p.m.

3354, 3355, 2347

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Promotional opportunities

with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 652, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 656 or 657). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these ositions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Xerox Machine Operator, WP-4427-08, JD No. 274, Code 53431 — This position is located in the Documentation Center of the Graphic Arts Division, Technical Information Department. The incumbent will perform all phases of operation and maintenance involving the 3100; Bruning 880 (Ozalid); IBM Copier II; and the 3M VQC and Color Copier. Typical duties include checking toner, adjusting machines for various paper sizes, setting illuminating fuser controls, removing automatic feet devices with hand tools, determining appropriate machine speed, checking ammonia supply, and the cleaning, ser-Relevant Criteria: Ability to do the work of the position without more than normal supervision; demonstrated equipment; ability to interpret instructions and specifications; knowledge of reprographic materials; ability to communicate efficiently and effectively with

ROCKETEER

Motion Picture Film Processor, WG-3913-08, JD No. 110-1, Code 53521 - This position is located in the Motion Picture Laboratory Branch, Photographic Division, Technical Information Department. The incumbent in dependently operates production type continuous motion picture film processing equipment, either color or black and white film; pre-inspects and makes up film prior to film run (this includes turning on circulation, setting emperature, checking pumps, filters and squeegees, and film thread up); is responsible for performing preventive maintenance on the processing equipment and occasionally is called upon to mix chemicals. Job Relevant Criteria: Ability to do the work of the position withou more than normal supervision; demonstrated ability to operate motion film processing machines; knowledge of handling photosensitive materials; ability to perform quality work quickly and safely and to maintain a clean and orderly work area.

Supervisory Electronics Engineer, GS-855-13/14, PD No. 7635042, Code 3556 - This position is that of Head, Development Branch, Countermeasures Division, Electronic Warfare Department. This branch is responsible for developing subsystems within air defense weapon simulators. The incumbent is responsible for the administration of the branch and its personnel; prepares plans to efficiently and effectively utilize resources nec essary to meet the demands of the development tasks; directs the analysis and design of fire control and acquisition radar subsystems and ground support systems; suggests, reviews and approves new designs and concepts, laboratory and on-site test plans, reliability plans, and maintainability aspects of the designs. The incumbent also performs consultant duties for on-Center groups in the area of anti-radar guidance, design sophy, implementation and exploitation of foreign hardware, and circuit design. Job Relevant Criteria: Demonstrated expertise in the analysis and design of radar circuitry; knowledge in the area of radar systems operation and design; demonstrated expertise in various radar subsystems such as antennas, RF networks, radar transmitters and receivers, and digital and analog systems design; ability to supervise effectively and ef ficiently, and to effectively communicate both orally and in writing. Promotion Potential: GS-13 or 14 level con tingent upon high grade level allocation

Clerk (Typing), GS-301-3 / 4, PD No. 7453032, Code 534 — This is an intermittent position located in the Graphic Arts Division of the Technical Information Department. The incumbent prepares correspondence from rough drafts, notes or verbal instructions for the entire division. The incumbent also prepares supply requisitions, work requests and other similar requests requiring an official form; is responsible for records management and in formation transmitted within the division; and receiver visitors and phone calls. Job Relevant Criteria: Ability to type efficiently and accurately, to meet deadlines under pressure, to work well with others; demonstrated ability to factfully receive visitors and phone calls; knowledge current records management policies. File applications for the above with Pat Gaunt, Bldg.

Mail and File Clerk, GS-305-3 / 4, PD No. 7225041An Code 2513 — This position is located in the Administrat Branch, Planning and Administrative Division, Sup Department. Incumbent types letters, route shee memoranda, dispatches, stubs for material needed in branch, department code directory, lists of publication etc.; maintains files for the department; keeps tickler on various delegation of authority letters and delegation authority cards on Supply Department personnel; follows up on route sheets and routes message traffic; makes changes in manuals maintained for department use; and maintains Xerox machine. Job Relevant Criteria: Ability to exercise tact, diplomacy, and discretion in meeting and dealing with a large number of contacts daily; must be a qualified typist; reliability and dependability; ability to work rapidly and accurately. Advancement Potential: GS-

File applications for the above with June Adams, Bldg. 34. Rm. 210. Ph 2371

Clerk-Typist, GS-322-3 / 4, or Personnel Clerk (Typing), GS-203-4/5/6, PD No. 865018-2, Code 65 - Persons that applied for this position 4-23 through 4-28-76 will receive consideration and need not reapply. This position is located in the Personnel Service Division of the Personnel Department. Incumbent performs the following duties for a major department(s): Processes all actions affecting Center Restaurant appointments, promotion, change to lower grade, transfers, within-grade and quality step increases, pay adjustments, separations and conversion of appointments. performs non-competitive qualifications ratings, processes classification actions and maintains associated files and records; processes claims for retirement, etc. Job Relevant Criteria: Personnel Clerk (Typing) GS-5/6: Must be a qualified typist, possess the ability to work independently, have a firm regulatory background of current FPM, CMMI, SECNAV Instructions, OCMM Instructions, and NWC Instructions related to the processing Sunday of personnel actions of all types, have experience in no

competitive qualifications ratings utilizing X-118 and Element Standards, and be able to provide procedura information concerning Federal health and life insurance retirement, and other areas related to personnel. Per sonnel Clerk (Typing) GS-4, and Clerk-Typing GS-3/4: Must be a qualified typist, have the ability to comprehend and apply regulatory information such as FPM, CMMI SECNAV Instructions, OCMM Instructions, and NWC Instructions and to provide limited procedural information in such areas as health insurance, life insurance, retirement, and other areas related to personnel, and vancement Potential: GS-6. More than one vacancy may be filled from this advertisement.

May 21, 1976

Communication Operator, GS-081-5, PD No. 784011-1, Code 842 - This position is located in the Fire Division of the Safety and Security Department. Major duties include maintaining an alert watch in the dispatcher's office in the event of fire, injury or disaster. The incumbent must understand and keep current on the location of all Fire Division apparatus, equipment and personnel by keeping an accurate log of all movements. The incumbent mus know the procedures to take in case of a major emergency the Gamewell Fire Alarm equipment, running schedule and be able to assume the duties of driver-operator (which includes knowledge of the operation of all firefighting equipment / apparatus, their placement and capabilities Job Relevant Criteria: Knowledge of communications equipment, familiarity with terminology and nomen clature associated with communications equipment (i.e. radio transmitters and receivers, telephones), a general knowledge of the physical layout of NWC including NAF, the ability to write / type efficiently and accurately, and the ability to deal effectively with people at all levels

of the organization. This ad will run for two weeks. Engineering Technician, GS-802-9/10 or 11, PD No. 7537057, Code 3722 - This position is in the Track Operations Branch. The incumbent assists in test planning, range preparation, conducting of tests and post test clean up; is responsible for ordnance and personnel safety; is a designated firing officer; and writes operating procedures and assists contractors in test operations. Jo Relevant Criteria: Experience in test and evaluation functions, familiarity with NWC range facilities, knowledge of range / ordnance safety, and the ability to work with project engineers and contractors

File applications for the above with Tina Lowe, Bldg. 34

Artillery Repairer, WG-6605-7 / 9, JD No. 481, Code 4531 (2 vacancies) - This position is located in the Ballistics Test Branch of the Quality Assurance Division, Propulsion Development Department. The incumben performs various operations and duties required for ex perimental testing of ordnance and ordnance-related tems. This includes preparing test setups and handling related hardware for testing of warheads, explosive assemblies, solid and liquid propellant rocket motors, and airbreathing propulsion systems. The incumbent wi participate in a Prejourneyman Development Program Job Relevant Criteria: Ability to do the work of artillery

(Continued on Page 4)



DIVINE SERVICES

Sunday Wor	ship Service
Sunday Sch	ool — All Ages
Wednesday	Noon Bible Study
Sunday Sch	ool Classes are held in Chapel Annexes
(Dorms 5, 6	8) located opposite the Center Restaurar
Communion	Service first Sunday of the Month.
	ROMAN CATHOLIC
	MASS
Saturday	1700 fulfills Sunday obli
Sunday	0700 0830
	BLESSED SACRAMENT CHAPEL
	22AAA

CONFESSIONS 1115 to 1130 0800 to 0825

1130

RELIGIOUS EDUCATION CLASSES Pre-school thru 6th grades First thru sixth seventh & eighth (Junior High)

Above classes are held in Chapel Annexes across from

"In Home" Discussion Group Entry blanks are available at the CPO Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EAST WING - ALL FAITH CHAPEL Sabbath Services every Friday UNITARIANS CHAPEL ANNEX 95

Services - (Sept.-May

C.L. soccer players lose to teams from

The China Lake Soccer Club and its youth team were both defeated by opponents from the San Gabriel Valley last Sunday here at Kelly Field.

San Gabriel Valley

In the adult contest, which was decided by a score of 6-1. China Lake outshot the San Gabriel Oldtimers by a wide margin, but came up much too short on the scoreboard. At least a dozen hard shots by the locals sailed just outside or above the net.

The lone score for China Lake came after Scott Paige crashed into the Oldtimers' goal keeper while attempting to blast a shot at goal. The deflected ball was rammed into the net by midfielder Tom Henner. All in all, the local team's defense was not as bad as the six goals scored against it would in-

San Gabriel left winger Wilfried Gabriel notched three goals for the visitors.

The San Gabriel youth team defeated its China Lake rivals by a score of 7-2 in a game which the visitors, with their much greater experience, dominated from the outset.

But the China Lake youths did provide hometown fans with plenty of offensive thrills even though they could score only twice. Bobby Bruce repeatedly challenged the San Gabriel defense from his right wing position. He lost a possible breakaway goal when the ball bounced away from him on the rutted turf of Kelly Field.

The China Lake goals were credited to John Fry in the first half and Steve Fry in the second period. The defensive gem of the day was made by David Vigneault of the local team as he came from left fullback to save a ball which had gone by goalie Kirk Cathey and was heading into the opposite side of the net.

After the first half of the youth match ended 3-1, San Gabriel continued to score frequently against the inexperienced China Lake defenders and goalkeeper Adam

Wilt's Corner . . .

(Continued from Page 6) a.m. and 2 p.m., Monday through Friday by paying the required fee.

The COM pool will be open from 11 a.m. to 8 p.m. daily and the CPO Club pool will operate daily between the hours of noon and

Tennis Courts Reserved

The tennis courts will be reserved from 8 a.m. to 6 p.m. on Saturday and Sunday for a tournament sponsored by the China Lake Tennis Club.

The tournament will include men's singles, men's doubles, women's singles and mixed doubles competition.

Record try fails . . .

(Continued from Page 6) just two girls were able to keep going. Finally, because there was no one else to pass the baton to, the last runner had to call a halt at 6:43 a.m.

The official result that has been entered into the record of this event was 101 miles

Each of the girls who did their best in this grueling event will be presented a certificate by the NWC Special Services Division, co-sponsors of this activity, during the Murray Junior High School awards ceremony that will be held shortly before the end of the present semester.

Signups open for Golden **Anchor Golf Tournament**

Registration is now being conducted for the sixth annual CPO Club Golden Anchor Golf Tournament to be held at the China Lake Golf Course on the weekend of June 5 and 6.

Club office for the 36-hole tournament, which will be held on a best-ball-of-partner

All local residents who use the China Lake Golf Course as their home course of record are eligible to play, but only the first 48 teams entered will be accepted.

Employee in the spotlight

like the experimental aspect of the work. I like defining and evaluating problems."

Jim Baird's own words go far in explaining how he, hired off the campus of Portland State University in 1958 with a B.S. degree in physics, has come to be China Lake's war game director and the co-author of a well-known book on Indian petroglyphs.

A member of the Sea Control Studies Branch of the Weapons Planning Group for three years, Jim, as an "operations intelligence specialist," directs tactical war games which, without the use of computers and within the space of a few offices, save the Navy much money it would otherwise spend testing weapons systems and tactics 'in the field" - at sea.

A typical sponsor — such as COM-PHIBPAC (Commander Amphibious Forces Pacific) or the Third Fleet — comes to Jim's group needing to know how to, for instance, incorporate a prototype weapon into the Fleet. The problem is not to test the weapon system itself, but rather to test or develop the tactics which control its use.

Typical War Game Problems How does a task group commander employ the ships under his control which are armed with this new weapon? How do the commanders of the ships themselves get into a position to use the weapon - to find the target, get it in the sights, shoot it and evaluate results of an attack? These are the

questions war gaming attempts to answer.

The war game, in which opposing sides work in separate rooms, begins with a scenario — the overall description of the political, geographical and military situation which will affect the "battle." Included in the scenario are such things as weather, state of the sea, and the characteristics of all weapons systems involved, in order, according to Jim, "to make the environment as real as possible."

Jim explains that "subjective" factors are being tested, such as how weapons are employed by humans who might not know the position of the enemy. This is in contrast to the game of chess in which the players are able to "rise above the battle" and get

"I quit being a physicist because I didn't objective information about their opponents' positions by simply looking at the pieces on the board.

During a war game, one side communicates its moves to an umpire who informs the other side of that move only if the other side is in a position to detect it through the given capability of its own equipment. When the decision is made to fire a weapon, the umpire evaluates the results based on weapon characteristics and defensive capabilities.

Fleet Officers Participate

Fleet officers normally join these office exercises to which they contribute their operational expertise and experience and receive, at the same time, valuable training in tactics. "We've never had anyone involved in a game who said he wouldn't want to play in another," says Jim. Two years ago, he adds, his group supplied data to a sponsor who determined from it that 13 errors had been made in the doctrine associated with the control of electronic emissions whose sources included radios, radar, sonar and all other electronic equipment.

Jim has demonstrated tactical gaming to the Koreans and Tiwanese and has just returned from the Naval Postgraduate School at Monterey where he gave a seminar on the subject and helped instructors to develop the capability to add tactical war games to their curriculum.

Worked in Similar Field Prior to joining Code 127, Jim worked in a similar field for five years in Code 12's Scientific and Technical Intelligence Liaison Office as the liaison between the laboratory and the entire U.S. intelligence community. He studied the numbers, characteristics and capabilities of enemy weapons systems in order to inform NWC project personnel about the exact nature of the threat with which they were dealing.

When Jim came to China Lake in 1958, he began working for the Oceanographic Division of the Research Department as project engineer for Project NOTTY - an evaluation of the sonar, intelligence, and speed capabilities of porpoises. After a nine-

FINISHING TOUCHES - Final work is

now being done in preparation for the

opening of the new Enlisted Men's Club

which is slated in the near future. In the

photos, BM2 Sam Treece (above) and

PRAN Larry Parks help with the job of

moving furniture into the new club,

which is located at the corner of Blandy

Ave. and Hussey Rd. on the site of the

old Jolly Rodger Club. The new 15,000

sq. ft. structure will provide separate

Petty Officer and Enlisted Men's

bar / lounges and game rooms, a

central kitchen area, and common

dining and ballroom areas. Inland

Contractors, Inc., of Redlands, Calif.,

was awarded a \$1.1 million contract to

build the new club. It was designed by

the Los Angeles architectural firm of H.

Wendell Mounce and Associates.

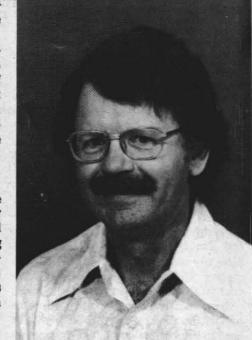
Catherine Bell, an architect in the

Plans and Specifications Branch of the

Public Works Department's En-

gineering Division, was the NWC pro-

ject design engineer.



month hiatus in federal service spent as a physicist for Tektronics, Inc., of Beaverton. Ore., Jim rejoined NWC - as a physicist working on a variety of one-of-a kind problems in the Research Department's Techniques and Devices Group. There he stayed for five years and thereafter went to the Scientific and Technical Intelligence Liaison Office.

Jim's penchant for evaluating problems was exactly the thing he needed when he began his study of petroglyphs in the Indian Wells Valley and surrounding areas. He, in conjunction with Ken Pringle, an NWC employee, and Campbell Grant, of Oxnard, co-authored a book entitled "Rock Drawings of the Coso Range" which was published in 1968 under the auspices of the Maturango Museum.

Rock Art Meaning Unknown

"Petroglyphs are a problem because nobody knows what they mean," says Jim. who spent every other weekend "uprange" while researching the mystery for three years. "Our book's hypothesis is that a culture evolved here about 2,000 years ago which then collapsed because of overhunting, the introduction of the bow (an efficient killer of animals) and the drying up of the land.

"Nobody I know can read the petroglyphs," according to Jim, "and I have a feeling that no one is ever going to be able to read them because one would not only have to understand the language but also the culture. And how is a modern man going to understand the motives and emotions of an ancient Indian?"

Other Archeological Interests

In addition, Jim and a number of other persons have investigated several excavations on the Center, including the Ray Cave site, a rock shelter used by Indians around 400 A.D. In 1968, he and Pringle helped to establish the Mojave-Sierra Archeological Society.

Jim says he has time now just to keep his interest up in archeology because most of his off-the-job efforts these days are devoted to his duties as chairman of the building committee of the new Maturango Museum, which will be constructed in Ridgecrest.

Helping him with committee business is his wife of two years, Eileen, an employee of the Technical Information Department's Distribution Branch. "We're a team, we really like to work together," says Jim. Eileen also enjoys doing macrame. weaving, sewing and working on the Cerro Coso College newspaper.

Finally, Jim has been a self-confessed "vegetarian health nut" since 1973. That's another story, however.

Dances at Chaparral

Ron Thompson and the Big Mac, a contemporary music group from the local area, will perform at Chaparral Club dances tonight and tomorrow night from 9 until 2

In addition, tonight is steak night, served from 6 until 9:30.

Clay again captures top honors in annual **Dewing Golf Classic**

Winners and runners-up in the annual Dewing Spring Golf Clasic for military personnel were announced this week.

For the third consecutive year, top honors in the championship flight were captured by Dick Clay, whose final day round of 73 coupled with an early round of 73, gave him a 146 total. Two other championship flight entrants, Jim Kincheloe and Dick Bauers, tied for second place with scores of 153.

This was Clay's last stand as a Dewing Spring Golf Classic entrant since, after a hitch at China Lake that will have covered 51/2 years, he is scheduled to leave in July for duty in the Dispensary at the Marine Corps Air Station in Iwakuni, Japan.

The more than 100 participants in this yearly tournament were divided into eight additional flights based upon their playing ability. The winners and runners-up in each, and their scores, were as follows:

1st flight - Bob Beck, 163, and Dr. Dave Crandell, 169; 2nd flight - C. L. Hiller, 170, and Bill Kowall, 172; 3rd flight - Dave Mann, 180, and G. L. Robinson, 183; 4th flight - B. E. Hunter, 189, and S. S. Pasag, 196; 5th flight - M. J. Verner, 204, and John Schmidt, 207; 6th flight - L. A. Ray, 216, and Jim Barnes, 217; 7th flight - Rick James, 237, and J. D. Smith, 263; and 8th flight - Thomas Ross, 351, and Lisa Clemmons, 380.

In addition to the individual plaques that were presented to the winners of each flight. special awards also were given out for the longest drive (by J. C. Warner, 340 yds.); drive closest to the pin on hole No. 6 (Larry Boyd, 8 in.) and a booby prize for taking the most strokes to shoot two rounds of golf on the China Lake course went to Linda McKenzie for her score of 412.

Gutsy try fails to produce record for Murray School girls

If all-out effort and determination would have been sufficient to turn the trick, a group of 10 seventh and eighth grade girls from Murray Junior High School would now be the holders of a national record for distance covered in a 24-hour relay race for youngsters in their age group.

As it was, however, their effort to exceed the current mark of 170 miles and 30 yards has to be logged under the heading of "valuable experience."

At 4:30 p.m. last Friday at the Kelly Field track on the Murray School campus, excitement was running high as Joy Ballard, a 14-year-old eighth grader, began the relay run in which each of the participants was to run a mile and then pass the baton to the next runner.

By 9:35 p.m., things were looking good as the runners - Jenny Slates, Sandi Faron, Brown, Leslie Bullock, Rhonda Mathews, Laurie Corlett and Kelli Hitt (in addition to Miss Ballard) - had logged 54 miles and were still doing well.

Runners Receive Support

Up until this time, as well as throughout the remainder of the night, fellow students, friends and other interested persons showed up to check on the progress being made and to help pace the runners as they circled the quarter-mile track.

Those who assisted in this latter category were members of the Over the Hill Track Club, Maturango Milers and Burroughs High School track team. Especially helpful to help pace the runners as they circled the paced the runners for a total of 18 miles and stayed through the night helping with the mileage chart.

At 10:15 p.m. Friday, the tide began to turn, however, as the first runners fell out from fatigue, which meant that the remaining ones were required to run at more frequent intervals.

By 3:30 a.m., just three of the original ten runners were left and, as daybreak came,

(Continued on Page 7)



ROCKETEER

3-TIME WINNER — Congratulations were extended by Capt. C. B. Olson (at right), Commanding Officer of the Naval Air Facility, as he presented a plaque to Dick Clay, winner for third year in a row of the Dewing Spring Golf Classic for military personnel. Clay's 146 total was tops in the championship flight.

Graham Assoc., still winless in league play, to host Visalia team

California Congress Softball League competition, the Graham Associates team will host the Royal Homes team of Visalia in a double-header tomorrow at Reardon Field, China Lake. Starting times for the two games will be 5 and 7 p.m.

The local all-star nine was defeated 6-3 and 5-4 by AMPCO of Bakersfield in games played here last Saturday.

In the first game, Mark Stoner of Graham Associates got his team off to a 2-1 lead with a pair of RBIs. Stoner hit a double that drove in one run in the first inning and a single that enabled another run to score in

Sandwiched in between these two tallies by the local nine was a home run off the bat of Ron Kyner, centerfielder for AMPCO. which came in the second inning. Decisive Fifth Frame

Trailing 2-1, the visitors came to bat in the fifth and broke the game open with a 4-run outburst that settled the issue. Bases on balls put two men on base and a triple by Ernie Yarbrough, third baseman for AMPCO, drove them in. Dennis Parks, the winning pitcher, then hit a home run to increase the visitors' lead to 5-2.

Mike Adams, catcher for AMPCO, also hit one out of the park in the top of the sixth inning while Parks, who gave up just three hits in the 7-inning contest, also served up a home run ball in the sixth frame to Greg Bishop, right fielder for Graham Associates, to make the final score 6-3 in

In game No. 2 of last Saturday's doubleheader, a single by Kyner that was followed by a home run by Mike Adams gave the AMPCO team a 2-0 lead in the second inning. The visitors then tallied another run in the third when Joe Dodder hit safely and came around to score on a double by Kyner.

Lead Chipped Away

The Graham Associates chipped away at their opponents' 3-0 lead by scoring one run each in the third and fourth innings. In the third, Denny Fuller drew a walk, moved to second on a fielder's choice and went to third on a sacrifice. He was then driven in to score on a hit by Greg Bishop.

In the fourth inning, Jim Ayers was struck by a pitched ball and, after two men walked to fill the bases, scored on a wild

Coming to bat in the top of the fifth with a 3-2 lead, the visitors from Bakersfield scored another pair of runs on a double by Yarbrough that was followed by a home run

This provided enough of an edge for AMPCO to also win the nightcap, since the best that the local all-star team could do was score one run each in the fifth and sixth

In the fifth frame, John Martin began the action with a single and then scored on a hit by Tom Mather, while in the sixth inning Danny Fuller hit safely and then scored on a double by Hank Alonzo. Both teams were scoreless in the seventh and final inning and the game ended with AMPCO on top, 5-4.



RUNNERS FALL SHORT OF RECORD — Valuable experience was gained by this group of teenage runners from Murray Junior High School who tried hard, but failed, in an attempt to set a 24-hour relay record for youngsters in their age group. In about 14 hours time, the girls logged 101 miles. The runners were (kneeling, from left) Rhonda Matthews, Lorie Corlett, Sandy Faron, Keli Hitt and Teresa Brown. Standing are (I.-r.) Leslie Bullock, Laura Dobbins, Joy Ballard, Jenny Slates and Mona Arredondo. -Photo by Ron Allen



Wilt's Corner

China Lake Tennis Club players shut out Edwards AFB

China Lake Tennis Club members soundly defeated their rivals from the Edwards Air Force Base Tennis Club in competition here last Sunday.

Although the Edwards team won no matches, and all were decided in two sets, they offered fine competition for the local

After the inter-club match, the participants were treated to a potluck dinner prepared by Linda and Bill Dunkan, social chairmen for the local club. All players enjoyed the chance to compete and the social that followed their matches.

Bernie Wasserman, the home and home match chairman, made all arrangements with the Edwards club in setting up this

Gymnasium, Indoor Pool Close

In order to help reduce potential safety problems of wet feet on cement, non-skid paint will be applied to the men's locker room during the period of May 25-28.

The paint must be allowed to cure properly, and consequently, the locker room will be remained closed until Tuesday, June 1. Locker rooms, showers and restrooms will be closed during this period. As a result, the gymnasium and indoor pool will have to be closed also.

The indoor pool will be drained and cleaned during this time in preparation for extensive use during the summer months.

COM, CPO Pools To Open Soon

Both the Commissioned Officers' Mess and Chief Petty Officers' Club pools are due to open Memorial Day weekend, May 29-31. Persons desiring to use either pool may

obtain the required tags at the Center gymnasium office between the hours of 9 (Continued on Page 7)

Tigers grab lead in Major Div. of China Lake Little League

Paired off against the Yankees and the Dodgers, two of the teams bringing up the rear in the Major Division of the China Lake Little League, the Tigers posted two victories last week and moved into undisputed first place.

The Tigers, who had won five of their first six games played this season as of this past weekend, edged the Yankees 1-0 and outscored the Dodgers, 7-4.

In other games played last weekend, the Red Sox posted a 2-1 victory over the Giants to climb into a second place tie with the Giants. In this tilt, the Red Sox tallied twice in their first time at bat and that was enough to turn the trick since the Giants were held scoreless until the fifth inning when they got their only hit off Dave Wooten, winning hurler for the Red Sox.

Wooten, who went all six innings on the mound, struck out 15 batters, walked none, and faced just 20 batters.

Scores of other Major Division games played last week were Giants 8, Yankees 4, and Red Sox 6, Dodgers 1.

In the China Lake Little League's Minor Division, the White Sox fattened their lead by defeating the Eagles and Orioles by scores of 24-10 and 14-7, respectively. Scores of other Minor Division games were: Orioles 16, Cardinals 13; Indians 28, Cardinals 12, and Eagles 21, Indians 7.

Admiral from **British Navy** visits Center

Rear Admiral Herbert Gardner, Royal Navy, president of the British Ordnance Board, visited the Naval Weapons Center recently for briefings and discussions concerning weapons system technology and safety.

He was accompanied by Capt. Ken Young, Royal Navy, and Wing Commander Bob Lomas, Royal Air Force, both of whom are attached to the British Navy Staff of the British Embassy in Washington, D.C. The prime purpose of RAdm. Gardner's visit was in connection with environmental testing, and he consulted at length with Crill Maples, head of the Quality Assurance Division in the Propulsion Development Department.

The visiting admiral summed up the responsibilities of his board by saving that its duty was to carry out independent appraisals of the safety and suitability for service use of weapons and weapon systems in which explosives were used in order to "ensure that the soldiers, sailors, airmen and civilians exposed to these systems and weapons would not be exposed to avoidable hazards.'

First Organization of its Kind

According to RAdm. Gardner, the Ordnance Board was the only organization of its kind in the world until very recently, when similar groups were established by both Sweden and Australia. The work of the board is directed collectively by the Controller of the Royal Navy, Master General of the Ordnance for the Royal Army and the Controller of Aircraft, RAF.

RAdm. Gardner said that the board's complete independence from outside pressures was the very core of its unique value and indicated that he would very much like to see such an ordnance board created in NATO.

History Dates Back to 1414

The history of the British Ordnance Board dates back to 1414, when King Henry V appointed a Master of Ordnance to "take and provide by yourselves or by your sufficient deputies, as many stonecutters, carpenters, sawyers, smiths and labourers as may be necessary for the works of engines, guns and ordnance aforesaid, together with sufficient timber, iron and all other things likewise necessary for the works aforesaid, and also with carriage for same when there is reasonable need for it, so long as you shall continue in your said

"And we shall therefore direct you to busy yourselves diligently about the premises and perform and execute them in the form aforesaid "

The modern history of the board began in 1855, with the establishment of an Ordnance Select Committee and by 1908, the group had indeed become known as the Ordnance

Local survivors of attack on Pearl Harbor celebrate

Members of Sierra Chapter No. 17 of the Pearl Harbor Survivors' Association celebrated the second anniversary of the founding of the local group last Saturday at the Elks Lodge in Ridgecrest. Entertainment that followed a baked ham

and prime rib dinner included vocal music selections by the Sweet Adelines and a men's barbershop song quartet, as well as music by a Dixieland band led by Jim McLean. Visitors who are members of other

chapters of the Pearl Harbor Survivors' Association from Seal Beach, Van Nuys, Palmdale, Lancaster, Bakersfield and the Lake Isabella area attended the party. The major door prize of the evening, a

hand-made quilt, was won by Joan Chartier, secretary in the NWC Fuze Department



ROCKETEER

INTERNATIONAL VISITOR — Rear Admiral Herbert Gardner (at left), Royal Navy, president of the British Ordnance Board, is shown exchanging mementos with Rear Admiral R. G. Freeman III, NWC Commander, during the former's recent visit here. Looking on is Dr. G. L. Hollingsworth, Technical Director.

Air pollutants' movement to be charted . .

to the instruments on board should stronger

winds cause it to overturn. "I can closely

control the balloon's vertical velocity, but I

can't do much about the wind," Craig ob-

served to emphasize the importance that

Weather Data To Be Provided

when the time comes for landing. Scientists

on the ground, using a pair of acoustic

sounders, will probe the structure of the

lower atmosphere in the vicinity of the

from the Institute for Storm Research and

Sandia will provide the weather predictions

for launch conditions and the updated

Two chase vehicles will follow the balloon

maintain communications with the flight

crew and meteorologists at the operations'

base station. It also will record scientific

data transmitted from the gondola. The

In coordination with the balloon flight, an

Environmental Protection Agency aircraft

will map the distribution of pollutants

downwind of St. Louis, and a mobile van will

measure ground-level pollutant con-

second vehicle will be a backup unit.

forecasts throughout the flight.

(Continued from Page 1)

photographs of the flight.

The objective of Da Vinci II is to determine the physical and chemical changes which occur in air pollutants as they travel over distances of several hundred miles from their source. It is known that pollutants can have great impact upon air quality far from their point of origin.

A balloon has several unique features which make it especially useful for studying air pollution. Slow moving and stable, it floats with the air, so that experiments and measurements can be made over a long period of time. Ground instruments, on the other hand, can only record data on the parcel of air as it moves by. In addition, a balloon has no propellers or engine to generate noise and electrical interference, or to contaminate the experiments and test

Low Altitude Flight

The Da Vinci II balloon will float at altitudes from 1,000 to 3,000 ft. A 70-ft. suspension line connects the gondola with the balloon, which is 70 ft. in diameter and 70-ft. high. The total length of balloon and gondola equals the height of a 15-story building.

The balloon will be launched from Arrowhead Airport, a small airfield located 15 miles west of St. Louis, and take off will be timed to enable the balloon to pass over the industrial portion of this large city at around 9 a.m. in order to merge into an air mass that contains both industrial pollutants and pollutants attributed to automobile usage during morning rush hour

"Predictably, we'll remain in the same body of pollutants and will study the physical and chemical changes which occur in air pollutants over a period of time, in addition to learning what influence other pollutants picked up along the way have on the initial mass of polluted air," Craig said.

Experiments To Be Conducted

To observe these complex changes as they occur, researchers aboard the Da Vinci gondola will conduct more than 20 experiments, using a variety of instruments to study the moving parcel of urban air pollutants. The result should be a detailed picture of what happens to a particular plume of polluted air as it slowly spreads across several states.

Because of the concern with thunderstorms and tornadoes in the mid-West at this time of the year, meteorologists from the National Weather Service have been making weather predictions for this flight since early March, Craig noted.

Not only is it essential prior to launch time that the wind be headed in the right direction to put the balloon in the atmosphere right above St. Louis, but the meteorologists must look ahead 36 hours and verify that the ground wind velocity will be safe for landing.

The gondola weighs 31/4 tons and is so tall

NRS fund drive brings in \$7,000 in first 2 weeks

The Navy Relief Society fund campaign brought in approximately \$7,000 during its first two weeks at the Naval Weapons Center, it was reported this past Monday by Cdr. J. J. Fleming, the 1976 fund drive

Interest is warming up in the Navy Relief queen contest, which is being run in conjunction with the fund-raising campaign, as well as in the VX-5 vs. NAF (BAT-NAF) challenge softball game that will be the concluding event of the fund drive on June 4.

Of the ten queen candidates, the front runner by a narrow margin is AZAN Patricia Stewart, while HN Susan Quackenbush is second, MSSN Karen Kukas is third, YN3 Linda McKenzie is fourth, and RMSN Anna Marie Barker is

Queen Contest Awards

For their efforts in boosting the Navy Relief Fund drive, the winner and top two runner-ups in the queen contest will receive U.S. Savings Bonds in the amounts of \$100. that the highest speed at which it can land \$50 and \$25, respectively. safely is 15 mph without suffering damage

Votes in the queen contest are based on contributions made in the candidates' behalf to the Navy Relief Society fund drive, and tickets (which count as votes) can be obtained from keymen in all departments on the Center.

wind speed will have on the duration of the The seriousness with which the opposing sides are looking upon the upcoming BAT-NAF softball game is reflected in the Throughout the flight, the balloonists will following messages that have been exbe receiving updated information on wind changed by the Commanding Officers of velocity and other weather data aimed at VX-5 and NAF. letting them know what can be expected

Messages Exchanged

Capt. R. N. Livingston of VX-5 wrote to Capt. C. B. Olson of NAF: "The officers of Air Test and Evaluation Squadron Five challenge the officers of the Naval Air balloon with sound waves. Meterologists Facility to battle in defense of their illdeserved softball title and trophy.

"In the remote possibility that you and your officers be so bold as to accept this challenge, I propose that the matter be settled honorably on the playing field on the ground. One, an instrumented van, commencing at 1400 hours, Friday, 4 June will serve as a mobile command post to 1976. My second is Lt. Terry Allen.'

Capt. Olson has responded: "In all the years since 1969, 'Ye Old Empty Keg Trophy' has graced the walls of my wardroom. The trophy has symbolized the strength and fidelity of my stalwart officers, stouthearted and true. There it will probably remain forevermore.

"I cast down my gauntlet in answer to your challenge. Upon the dawn of the 4th of June be prepared to defend your claim. Lt. Ian Refo will act as my squire."



ON NAVY RELIEF GIFT LIST — An Amana microwave oven, which is shown by Mary Paine, Miss Ridgecrest-China Lake, or the 17-in. portable color television set (on floor just to her left) are two of the three third place grand prizes that will be given away at the conclusion of the 1976 Navy Relief Society fund drive. Both of these prizes are from Loewen's in Ridgecrest. In addition, the list of third place grand prizes includes a Maytag dishwasher from Ace TV in Ridgecrest.









SCOUT SCENE — Seventeen scout units from the local area and Trona put on demonstrations of scouting skills, handcrafts, pioneering and cooking at the annual Scout-o-Rama that was held last Saturday at Schoeffel Field. The top photo shows some of the estimated 2,000 visitors who attended the traditionally popular event. In the middle row of photos, participants wait their turn to join in the fun at the dunking machine, at which a number of brave scouts hit the water; and a Cub Scout examines an astronomy exhibit set up by Second Class Scout Tom Nelson of Boy Scout Troop 35. In the bottom photos, a scout chins himself at the obstacle course which both visitors and scouts were invited to run through; and a crowd gathers for the Cub Scout Pinewood Derby runoffs for gravity-powered racers. The latter event was won by Jon Bergh, with Eddie Ackerman and Danny Barthel as first and second place runner-ups, respectively. -Photos by Ron Allen

Promotional opportunities...

(Continued from Page 2)

artillery repair trade practices, use of measuring in struments, ability to interpret instructions, specifications and blueprints, and troubleshooting. Advancement Potential: Can advance to Artillery Repairer, WG-11. Clerk-Typist, GS-322-3/4, PD No. 7488018, Code 883 -

This position is located in the Industrial Medical Division of the Naval Weapons Center Dispensary. The employing office is the Naval Regional Medical Center, Long Beach, Ca. The incumbent is responsible for the clerical work of the Industrial Medical Division and the Industrial Hygiene Branch: prepares clinical summaries of civilian patients admitted to the Center Dispensary; maintains records o employees reporting for periodic laser examinations to assure that all of those working with lasers are in compliance with Medical Department programs; and, in the absence of the receptionist, acts as her relief and during time of excessive work loads assists the receptionist. Job Relevant Criteria: Ability to type, knowledge of medical terminology, and the ability to operate MTST and dic

Medical Records Technician, GS-675-4/5, PD No. 7488006, Code 88 — This position is located in the Medical Records Office of the Dispensary, NWC, China Lake. The employing office is the Naval Regional Medical Center, Long Beach, Ca. The incumbent is responsible for the preparation, filing, coding and disposition of all inpatient records; compiles and prepares summaries of medical records, reports messages and letter replies; does timekeeping and is collection agent for the dispensary, collecting money for hospitalization charges, maintaining accounting ledgers and accounts receivable; schedules Job Relevant Criteria: Be familiar with medical terminology, have a basic understanding of medical-surgical and probable diagnosis; be familiar with data processin procedures; knowledge of NAVCOMP Manual, Volume IV, Chapter 4; ability to deal with persons in all levels o

Mechanical Engineer, GS-830-7 / 9, PD No. 7645025, Code 4561 — This position is located within the Warhead Development Branch, Conventional Weapons Division, Propulsion Development Department. The incumbent will assist project engineers responsible for the development of warheads in collection and reduction of data as well as coordinate testing for various programs. This branch performs feasibility analysis advanced development and engineering development on warheads for surface-tosurface rockets, air-to-air guided missiles, air-to-ground guided missiles, and air-to-ground rockets and bombs. Job engineering principles used in explosives and weapons systems design, and be familiar with military ordnance.

Chemist, Physicist, or Engineer, GS-12/13, PD No. 7645029, Code 4563 - This position is located in the Weapons Systems Branch, Conventional Weapons Division, Propulsion Development Department. The incumbent will be responsible for directing and conducting supporting research efforts in Fuel-Air-Explosive technology. The incumbent will also provide liaison with other agencies concerned with blast technology. Job Relevant Criteria: Must be versed in detonation physics and weapon effects and must have the ability to prepare informal and formal technical reports and presentations File applications for the above with Mary Morrison

IOR OPPOPTUNITY

Supervisory Recreation Assistant UA-189-05, PD No. 76SS104, Code 0891 — This is not a Civil Service job. This position is located in the Recreation Services Branch. The incumbent is responsible for the management and operation of the Electronics, Woodworking, Ceramic and Auto Hobby Shops. He supervises the employees at the various shops, prepares the budgets, sets up the recreation programs, orders and displays merchandise, and instructs Job Relevant Criteria: Should have experience managing recreation programs and knowledge of hobby shop operations; must have ability to deal with the public. File applications for the above with Dora Childers, Bldg.

Report to be given on local medical services

Cdr. Jess Hayes, administrative officer of the local branch clinic of the Regional Medical Center in Long Beach, will be the guest speaker at the next meeting of Desert Flower Chapter No. 125 of the Navy Wives Club of America on Thursday evening, May

Cdr. Hayes' talk, which will concern the services available at the local clinic, will begin at 7:30 p.m. at 415 McIntire St. All retired and active duty military personnel are invited to attend.

Local members Linda Fleeger, June Tracey and Shortie Brode recently left for the N.W.C.A. Southwest Regional Convention being held in San Diego.

Dr. Hunter to retire June 4 . . .

((Continued from Page 1) widely in industry.

optical components were mentioned as returning in March 1965, Dr. Hunter examples of things that don't have to be forced on industry. Instead, because of their and has held this position from that time up value, industry has sought them out from government-employed researchers.

"On a personal basis, I've been real days of NOTS and to have seen some of the social, economic and political experiments, as well as the technical activities which took place," Dr. Hunter continued.

Physicist at Pasadena Annex A graduate of Indiana University with an A.B. in chemistry and a Ph.D. in physics, Dr. Hunter was a college instructor, research associate and assistant professor prior to going to work as a physicist in 1946 brief period in Pasadena, Dr. Hunter accepted an assistant professorship of physics at the University of Colorado (his home state), then - two years later (in 1948) - he came to China Lake to serve as head of the Technical Planning Staff under

Dr. Thompson. With 21/2 years of experience in that assignment behind him, Dr. Hunter joined the Research Department in August 1951 first as associate head of the Physics Division and (just two months later) became associate head of the department.

From March 1955 through December 1956. Dr. Hunter headed the NOTS Central Staff (now called Office of Finance and Management). This additional experience in a position principally related to the administrative and financial operations of NOTS was followed by his selection in December 1956 to head the Propulsion Department.

Break in Civil Service

September 1959 marked the start of a break in Civil Service for Dr. Hunter, who was contacted by Dr. William Whyburn, a Department, and left here for Durham, N.C., where he became the vice-president for research of the Research Triangle Institute. For approximately 51/2 years his primary job was building the staff of RTI, an organization that was the nucleus of what is now a highly diversified complex of industrial and research laboratories which currently employs more than 100,000 per-

Dr. Hunter looks back upon the years he spent in North Carolina as being very valuable because of the experience he acquired in handling financial matters related to a broad range of technical problems that he wouldn't have gained had he remained here.

In the spring of 1965, he was approached, the area of impulsive loading. Pearson, it Dr. Hunter said, by three people who he was added, holds basic patents on such holds in highest esteem, all of whom wanted things as explosive welding and explosive him to return to China Lake. They were Dr. forming that have been adopted quite McLean, H. G. (Hack) Wilson, who succeeded Dr. McLean as Technical Director. In addition, the contributions by Drs. and Capt. John Hardy, who was then Harold and Jean Bennett in the field of Commanding Officer of NOTS. Upon became head of the Research Department until the present.

May 21, 1976

Dr. and Mrs. Hunter (Clare) have two children, both of whom live in Escondido grateful to have been involved in the early not far from where the Hunters will be making their retirement home in Pauma Valley at the foot of Mr. Palomar.

> Their daughter, Mrs. Nancy Hunter Easley, has two children and their son, Tom, who is married and has one son, is the manager of a nursery in Rancho Bernardo, just south of Escondido.

Both Dr. and Mrs. Hunter have been involved in a variety of community activities during their many years at China at the NOTS Pasadena Annex. After only a Lake. He was a member of the China Lake Elementary School District's board of trustees and also served on the Kern County board of education — holding the office of president for a term.

Active in Community During her early days at China Lake, Mrs. Hunter was a charter member of the Pink Ladies Auxiliary at the Ridgecrest Hospital, worked for and held a number of offices in the PTA, and was a teacher in Sunday School and vacation Bible school. Mrs. Hunter also was involved in numerous activities of the Women's Auxiliary of the Commissioned Officers' Mess (including helping at the Thrift Shop); and more recently was a volunteer member of the Museum Mondays Luncheon Group. For almost four years, she was a kindergarten class aide at Pierce Elementary School.

In addition, Mrs. Hunter was active in the American Field Service program and, as a result of that involvement, the Hunters provided a home for Hans Von Durckheim, a foreign exchange student who attended Burroughs High School for one year.

While life in the rural area where the former consultant to the NOTS Research Hunters will be making their retirement home will be a change in many ways from being on the desert, by moving to the area which they have chosen for their retirement they will not only be close to their children and grandchildren, but will be able to enjoy visits with many former China Lakers who also have settled in this same general area after retiring following many years as Civil Service employees at the Naval Weapons

Dance set at CPO Club

Dancing to the music of the Younger Half, a contemporary music group from Victorville, will be held tomorrow night at the CPO Club from 9 until 1 a.m.

The dinner special that evening will be turf and surf, served from 6 until 9 o'clock.

Ur. Lauritsen's contributions cited

(Editor's Note: In order to provide an added appreciation of the name chosen for the new Lauritsen Laboratory, The ROCKETEER is publishing brief episodes in the life of Dr. Charles C. Lauritsen, highlighting the period that he was influential in the development of the Naval Ordnance Test Station (NOTS), forerunner of NWC. The laboratory will be dedicated at 9:30 a.m. on June 18.)

A small airplane circled over the Mojave Desert in the summer of 1943. The pilot, Cdr. Jack C. Renard, and his passenger, Dr. Charles C. Lauritsen, intently scanned the wasteland below. Suddenly they spotted signs of civilization. It was a Kern County emergency landing strip, near the tiny village of Inyokern.

As Renard remembered it, " . . . it was a two-way airstrip laid out right in the darn desert and nothing around it . . . Great Day! Who owns this? So we landed there and of course there was no one there. As you looked around it was hardbaked, you know, that desert, cracked ground, no water . . ."

"It seems to me," Renard continued in his 1969 reminiscences of the event, "some old guy saw us out there and came out in a truck and wanted to know if we were in trouble or something. We talked to him, and . . . as I recalled we were) asking him questions, 'Anybody live around here?' '

The two explorers were intently interested in the old prospector's negative answers. The search was on for a large expanse of ground that would be suitable for rocket testing and aircraft ordnance development. The isolation, lack of population, clear skies, and barren expanse of this valley were what Dr. Lauritsen. head of the World War II California Institute of Technology rocket program, was looking for. "I want it; this is it!" he said.

Thus was found the land upon which was established NOTS, now NWC - one of the Navy's largest and most productive weapons research and development



NEW NAVY LEAGUE OFFICERS — New officers for 1976-77 were installed last week by the Indian Wells Valley Council, Navy League of the United States, at the group's annual dinner. They are (from the right) Jack Strayer, president; Leo Ponder, treasurer; (John Rau, of Costa Mesa, 11th regional president of the Navy League who was the installing officer for the occasion); Harry Parode, executive vice-president; Loren Kinne, judge advocate; Earl Wicker, historian; Dr. Eugene Brandt, second vice-president; Ralph Herrick, secretary; Archie Meyer, executive director of the Air Test and Evaluation Squadron Five Sea Cadet Squadron, and Mike Molner, Navy affairs chairman. Molner was the outgoing president, having served for two terms.

American Rock Art Research Ass'n slates symposium here

Wells Valley.

another week.

Indians to the present day - on the Indian

Presentation of papers will begin at 9:30

a.m. and continue until adjournment at

4:30, with a break for luncheon served by

the museum's Gourmet Club. Presentations

will resume at 9 o'clock on Sunday, May 30,

The business portion of the symposium

will begin at 2:30 p.m. on Sunday. A banquet

will be held at 7 o'clock that evening at the

commentator on the Los Angeles scene.

Monday, May 31, to either the Little or Big

Petroglyph Canyons, beginning at 7:30 a.m.

The B-29 Superfortress bomber that was

originally scheduled to fly last Saturday

from the Naval Air Facility to the museum

of Yesterday's Air Force in Barstow will not

leave China Lake for approximately

The pilot for last weekend's abortive

flight fell ill at the last minute, and the

museum is now seeking a qualified

replacement for him so that the vintage

World War II aircraft, one of a number that

were flown in here by the Air Force in the

1950s, eventually can be put on public

B-29 Superfortress

take-off is delayed

with a similar break for luncheon.

The second annual national symposium of the impact of man — from times of the early the American Rock Art Research Association (ARARA) will be held at the Community Center on Memorial Day

The symposium, which is expected to attract rock art experts from throughout the continent, will be hosted both by the Maturango Museum and the Naval Weapons Center.

There is a \$10 registration fee for individuals, and a \$5 fee for a spouse. Application forms may be obtained from the Maturango Museum, and the public is invited to participate. The registration deadline is Tuesday.

The symposium will begin at the Community Center on Saturday morning, May 29, with registration and check-in formalities. Dr. Klaus Wellmann, president of the ARARA, will deliver the welcoming address at 9, followed by a talk by K. H. Robinson, Maturango Museum director, on

Professional groups to install officers at meeting May 28

A combined dinner meeting of three local professional organizations during which new officers will be installed has been scheduled next Friday, May 28, at The Hideaway in Ridgecrest.

The three groups co-sponsoring this affair are the local chapters of the American Institute of Aeronautics and Astronautics, the American Society of Civil Engineers and the California Society of Professional

A social hour will precede the 7:30 p.m. dinner, and the program for evening will feature a talk by William F. Chana, a pilot and member of the board of the directors of the San Diego Aerospace Museum.

During his presentation, entitled "Understanding and Appreciating the Wright Brothers," Chana will present 60 film slides of historic events progressing from the Wright brothers' early glider flights to their eventual success with engine powered aircraft.

Chana, a former test pilot employed by the Consolidated Aircraft Co. in San Diego, is now president of American Innovative Development Associates, a firm that offers consulting services or product development assistance in a wide variety of fields ranging from aerodynamic analysis to static, dynamic and flight testing, as well as certification of air, ground, water and energy systems.

Reservations for the dinner, which must be made no later than next Wednesday, May 26, may be made by calling Jim Serpanos, at ext. 3340; Bob McCarten, ext. 7243; John Cox, ext. 3538, or Bruce Bartels, ext. 3493.

"Frankly Feminine," an informationpacked program featuring presentations by local doctors who will be discussing some of the medical problems of women, will be presented next Thursday, May 27, starting Philippines for the Armed Forces Institute. at 7:30 p.m. at the Burroughs High School

lecture center. Arrangements for this program have been made by the Nurses Club of Indian Wells Valley, and the speakers will be Drs. Lon Graves, Ron Hempling and Craig Woodward.

Among the subjects to be discussed will be various aspects of gynecology and urology, menopause, cancer, birth control, toxemia and tubal ligation.

Women residents of Indian Wells Valley are invited to attend. Ample time will be provided for answers to questions from the

Band Booked at COM

The Kapmanbu, a Los Angeles-based band specializing in popular and country and western music, will perform for the listening and dining pleasure of Commissioned Officers' Mess patrons tonight and tomorrow night from 9 until 1 a.m.

The dinner special tonight, which is membership night, will be steamboat round served buffet style from 7 until 9 o'clock. In addition, comedian Bobby Monahan, accompanied by a female vocalist, will provide the floorshow entertainment beginning at 10 p.m.

Watercolor Demonstration Set

LaVere Hutchings of Whittier will present a watercolor demonstration at the next meeting of the Desert Art League on Monday evening at the Community Center. The meeting, which will be the league's

Community Center. Its cost is \$5 per person. last until September, will begin at 7:30. Featured speaker at the Sunday evening Educated at Chouinard's in Los Angeles banquet will be Ralph Story, well-known TV and at the Art Students' League in New York City, Hutchings has his work on Participants may join field trips on

EEO Award . . .

(Continued from Page 1) the impact and positive effect these ac-

complishments have had on others seeking equal opportunity.

Castillo was selected for this award in recognition of the superior manner in which he has maintained an effective EEO program within the Material Division of the Supply Department. He established entry level positions for which women and minorities could qualify and as a result increased the hiral of minorities by 100 per cent in his division.

In addition, he continually emphasizes to his managers his commitment to increase minority representation within the Material Division, he encourages EEO training for both managers and personnel below the supervisory level, and assists employees in establishing training plans for themselves.

Happenings around NWC display in over 600 private collections and it has been included in the last two Watercolor West exhibits. During World War II he was an art instructor in the

New Price Guide Available

A new labor pricing guide which establishes standard procedures for the most common services or repairs performed by Navy Exchange service stations is now available at the China Lake Navy Exchange service station.

The guide will enable patrons to determine actual labor costs before any work is performed. Repairs listed in it apply to American-manufactured cars.

Imported models will be considered identical to American autos if labor time for repairs is approximately the same.

Hrs. of Operation Changed

Hours of operation for the Special Services camping issue facility have been changed, it was announced recently.

The facility is open from 1 to 5 p.m. on Mondays, from 6 to 10 p.m. on Tuesdays through Fridays and from 10 a.m. to 5 p.m. on Saturdays. It is located off Lauritsen Rd., just south of the former Center

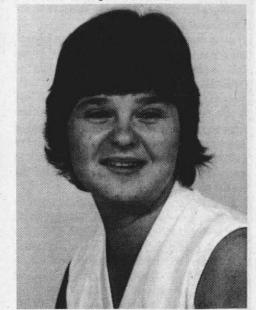
Open forum to be held on Nuclear **Power Initiative**

An open forum for the purpose of discussing the California Nuclear Power Initiative (Prop. 15 on the June 8 Primary Election ballot) has been arranged by the Mojave Desert Section of the American Institute of Chemical Engineers (AIChE).

This program, which is open to the public, will be held on Monday, starting at 7:30 p.m., in the Burroughs High School lecture

The speakers will be Stan Clift, chairman of the local section of AIChE, Jim Fairchild. Michael Hinton and James A. Radosevich. All four men are chemical engineers employed by the Kerr McGee Chemical Corp.

In addition to listening to the personal views of four panelists, there will be a



reading by Michelle Ballenger, a Burroughs senior, of her paper on the use of atomic energy for power production for which she received a \$150 first place prize that was presented by the local chapter of AIChE.

Miss Ballenger, a life member of the California Scholarship Federation and recent winner of the Bank of America Achievement Award in the field of liberal arts, has been a local student since her family moved here from Corona in 1970 when she was a seventh grader.

She is acting president of the New Life Fellowship, an interdenominational religious group for high school age students, and also will be a speaker at the Burroughs High baccalaureate program on June 6.

Upon graduation from the local high school, she plans to attend the University of California at Davis and major in chemical engineering.



EEO AWARD PRESENTED — For only the third time since it was established in 1973, the Naval Weapons Center's Equal Employment Opportunity Award was presented this week. The recipient, Floyd R. Castillo, is shown being congratulated by Rear Admiral R. G. Freeman III, NWC Commander, for being chosen to receive this singular honor.