Renowned 'cellist to present concert on Dec. '

been internationally acclaimed as "one of the greatest present-day 'cellists," will play for a concert program at the Center theater at 7:30 p.m. next Thursday, Dec. 1. under the auspices of the Indian Wells Valley Concert Association.

Since 1964 and the completion of 12 years as the principal 'cellist of the Indianapolis Symphony Orchestra, Reese has been engaged throughout the United Stattes and Western Europe as a solo artist.

During this, the third program of the IWV Concert Association's 1977-78 season, the celebrated musician will be accompanied by Ralph Linsley at the piano as he plays selections by Haydn, Beethoven, Schuman, Chopin and other renowned composers.

For his concert program here, Reese will be playing an instrument made by Antonius Amati in Cremona, Italy, in the year 1615.

A native of Long Beach, Calif., Reese began piano lessons at the age of 4 and, the following year, started the 'cello on an improvised instrument - a viola with an end-pin attached to it.

Reese, who is described as a 'cellist with extraordinary ability and artistry, as well as a winning personality, has to his credit 24 concert tours of western Europe during which he has been highly acclaimed in press reviews wherever he played.

Studying with Alexander Borisoff, then principal 'cellist of the Los Angeles Philharmonic, the youth appeared as a soloist with the Long Beach Symphony at

Military Christmas party set Dec. 17 at Community Center

An all hands military Christmas party is being planned and will be held in the Community Center on Saturday, Dec. 17, from 6 in the evening until 2 a.m.

"Mr. Magic and Co." starring Len Finney his wife, Nancy, and daughter, Shelli, will be the featured entertainment, and the Marine Corps Recruit Depot stage band will provide music for the evening dancing. Door prizes will be awarded.

Dinner will feature prime rib, with baked potatoes, salad, corn, peas and wine.

Tickets, including dinner, are \$5 per person for NWC active duty military personnel, and \$7 per person for any civil who wish to attend. Tickets may be purchased at the Weather Office in Hangar III, Military Personnel Office, the Chaplain's Office in Hangar II, and at the Community

Military personnel to take part in BBC documentary film

Seven China Lake military personnel will be used by the British Broadcasting Corp. in filming a documentary on the advances of

These volunteers will be used to portray the parts of sailors actually used by Dr. Albert Michelson as assistants in experments he carried out at the Mt. Wilson Observatory. Filming of the pertinent segment of the documentary will be carried out at that site this weekend.

Those who have volunteered to appear in the film are A01 Steven Depauw, PN2 Sam Thompson, ABH2 Rick Jones, AME1 Stephen Bajoros, AMS2 Robert Howel, ABAN David Penrose, and AE2 Ron Fleeger. Transportation to and from the film site will be provided.





Gilbert Reese, renowned 'cellist

the age of 16 and made his Los Angeles recital debut that same year. When he was just 21 years of age, Reese made his debut appearance as soloist with the Los Angeles Philharmonic Orchestra then under the direction of Bruno Walter.

Following studies in New York, Reese went to Paris, France, to continue his musical education at the Ecole Normale de Musique and his studies on the 'cello with the famous Pablo Casals in Prades, France.

After receiving his diploma in composition and his master's degree in 'cello, he made his first European recital tour before returning to America for his Town Hall debut where critics hailed him as "one of the discoveries of the season."

Reese was chosen as principal 'cellist of the Indianapolis Symphony — the youngest musician of the 1952-53 season to hold this

position with a major symphony orchestra. Following 12 years with this symphony orchestra, and as a professor of music at Butler University in Indianapolis, Reese has been expanding his active solo career.

His concert activities in recent years have included performances on the West Coast and in the Midwest during the fall of 1975. In January 1976, he played in California, Colorado and Wisconsin before leaving for Europe where he gave 20 lecture-recitals in Norway and recorded for the Norwegian National Radio.

Reese returned to Norway in November 1976 for additional concerts in Oslo and for the Bergen Chamber Music Society and, this past August, opened the Abbey Bach Festival in Oregon and (in September) performed all of the Beethoven Sonatas at El Camino College in the Los Angeles area. Another European trip is planned for early

Ticket Information

Tickets are priced at \$4 each for general admission, with a half-price rate of \$2 extended to persons under 21 or over 65 and to enlisted military personnel. They may be purchased at any of the following locations in Ridgecrest: The Gift Mart, the Grainery Health Food Store, Lilly's Dress Shop, The Music Man, Medical Arts Pharmacy, the Drummond Medical Center Pharmacy, and SAT. at El Ranchito School.

Tickets will also be sold on the day of the concert at the Center theater box office, which will be open from 4:45 to 7:15 p.m. Doors will be open for seating at 6:45.

Special event passes will be available to concert goers at both NWC gates on the evening of the concert so that all interested persons may attend.

In addition, tickets can be ordered at any time by calling the IWV Concert Association telephone number, 375-5600. Discounts on single-admission tickets are available to organized groups of ten or more, but arrangements must be made with the Concert Association prior to the program.



TOYS-FOR-TOTS RIDE - Harold Hanvey (I.), 55, a self-employed carpenter, shows Dick Zinke, representing the Marine Corps League, the tricycle on which he plans to ride from Scotty's Castle in Death Valley to Stovepipe Wells on Friday, Dec. 9. The Marine Corps League's annual Toys for Tots drive will benefit from the 45-mile ride in that donations for the drive will be accepted at Scotty's Castle, as well as various local drop-off points, and those who wish may pledge money per mile for each mile covered by the tricycle ride. Hanvey will be accompanied by Craig Roberts, 20, who will be pacing him on a similar tricycle. Whatever distance is covered, Hanvey will be a candidate for the Guiness Book of Records, since no such trike ride has ever been attempted. Those wishing to either make a donation or find out where the drop-off points for toys are may call Zinke at NWC ext. 2496, or at his home, 375-4007. Toys will be delivered around Dec. 15. Anyone who knows of a needy family may contact either Zinke or Rose Varga, whose phone is 446-3939. The information will be kept confidential. -Photo by PH3 B. J. Beckman

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

(G) - ALL AGES ADMITTED General Audiences (PG) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying

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

For further information call NWC ext. 2259. 25 NOVEMBER

"THE AMAZING DOBERMANS" (105 Min.) Fred Astaire, James Franciscus,

Barbara Eden (Action Comedy) Justice Department agent Franciscus, posing as a gambler to trap racketed Jack Carter, deliberately loses and does not pay the debt. Carter's "collectors" corner him in the forest, but he is rescued by the dobermans. Fred Astaire, who is the owner-trainer of the dobermans, reluctantly agrees to help Franciscus capture Carter. The two get a job in a circus featuring the dobermans and set a trap for Carter Suspense mounts as the "collectors" abduct bareback rider, Eden, Franciscus' girlfriend; the five dobermans prevent the circus payroll robbery: and Franciscus and one of the dobermans rescue Eden. Released November 77 (G) 26 NOVEMBER

"THE MONEY" (93 Min.)

Lawrence Lubkinbill, Graham Bikel (Drama) Lubkinbill has become seriously overextended in his new condominium project. Will his estranged wife, who has supplied the necessary funds thus far, protect her investment by supplying the additional \$200,000? Matters become complex when the couple's children are kidnapped and a ransom is requested. Lubkinbill seizes an opportunity and, through a spectacular maneuver, manages to save his children and the condominium project. (R)

> 27 NOVEMBER "THE DEEP" (125 Min.)

Robert Shaw, Jacqueline Bisset, Nick Nolte

(Drama) Nolte and Bissett, vacationing American lovers, search through an underwater shipwreck and surface with a bag of apparently worthless debris, A mysterious glass vial arouses the interest of a local collector, who kidnaps and terrorizes the young couple in order to retrieve it. Meanwhile Shaw, who is a well-known treasure hunter, pilfers the vial after discovering that the contents is part of a lost supply of pure morphine. Released June 77. (PG) 30 NOVEMBER

"THE OUTLAW BLUES" (107 Min.)

Peter Fonda, Susan Saint James (Comedy Drama) Top Texas recording star James Callahan performs at Huntsville Prison and promptly steals inmate Fonda's song prison, he travels to Austin, Tex., to obtain his rightful royalties. During a scuffle with Fonda, Callahan is wounded by a police chief's gun. The police chief, anxious not to hurt his mayoral campaign, is determined to capture Fonda, who eludes him by hiding in James' car. She then tries recording to a local radio station. Released June

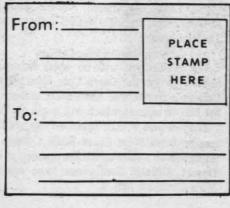
IWV Concert Association presents

2 DECEMBER "THE WHITE BUFFALO" (103 Min.)

Charles Bronson, Will Sampson

(Action Drama) Wild Bill Hickok (Bronson), haunted by a recurrent nightmare in which he is attacked by a fierce white bison, goes on a quest to hunt and kill the bison. Chief Crazy Horse (Sampson), regards the animal as a holy bull that he must kill to wrap its pelt around the corpse of his infant daughter in order that she may cross safely into the other world. Bronson shoots the buffalo while Sampson uses his bow and arrow, then leaps on its back to stab it. Sampson leaves with the pelt and Bronson, satisfied that his nightmares will cease, heads off in the opposite direction. Released June 77. (PG)

.U.S. Government Printing Office:





GOOD NEWS DISSEMINATED - Dr. James H. Probus, Director of Navy Laboratories, had good news for NWC relating to the Naval Material Command's inspection of the Center which he passed on while speaking last Friday during an ASPA-sponsored luncheon at the Commissioned Officers' Mess. Listening attentively to the distinguished visitor are (I.-r.) R. M. Hillyer, acting Technical Director; George Linsteadt, president of the East Kern County Chapter of ASPA, and Rear Admiral William L. Harris, NWC Commander, Also seated at the head table (but out of camera range as this photo was taken) was Capt. Frederic H. M. Kinley, NWC Vice Commander.

Dr. Probus, Director of Navy Labs, shares good news about Command inspection of NWC

Weapons Center team has come out "great" the Center which was conducted by the Inspector General of the Naval Material Command was shared by Dr. James H. Probus, Director of Navy Laboratories, with those who attended a luncheon meeting held last Friday at the Commissioned Of-

The inspection team (a total of 55 members headed by Capt. M. B. Leichleiter) was impressed with the cooperation it received and the fine job being done at NWC, the speaker said. "You are in good shape and highly respected," Dr. Probus informed a capacity crowd that filled the Mojave Room of the COM to hear his presentation on "Navy Laboratory Management Today."

The meeting which was open to all interested persons had been arranged by the East Kern County Chapter of the American Society for Public Administration. George

Welcome news that, in his view, the Naval Linsteadt, president of the local chapter of ASPA, welcomed all those in attendance during the in-depth review of operations at prior to turning the microphone over to Robert M. Hillyer, Acting Technical Director, who introduced Dr. Probus.

In his overview regarding Navy Laboratory management today, the guest speaker provided a perspective of the problems which face the Navy as a whole. He also stressed, however, the strength and "can do" attitude which prevails in spite of the problems.

Prime Concern Is People

'My prime concern in management of the Navy Laboratories is people - not the number but the quality and spirit of people," Dr. Probus stated. People are more important than facilities, he added, before getting into a discussion of intangibles and imponderables which he felt bear heavily on how, in the long run, the U.S. will be able to bear up under its global responsibilities.

Dr. Probus also shed further light on the factors which led to the reductions in force at five Navy Laboratories this fall. This goes back, he said, to three years ago when the outgoing Administration called for a 3,000 man reduction in the Navy's research and development community, with the cut to be made in just one year's time.

Congress would not go along with this, however, the Director of Navy Laboratories said, and instead agreed to permit the cutback of 3,000 personnel to be distributed over a period of three years. In this way, most of the cutback was handled by normal attrition, while at the same time allowing some hiring to take place.

However, the speaker continued, after a large part of the 3,000 man reduction had

(Continued on Page 3)

nwc rocketeer

November 25, 1977

Helium balloon is newest tool for range tests

object floating above the Naval Weapons Center's C-1 range isn't the Goodyear blimp's little brother. It's the Center's newest tool for range tests - a helium balloon.

The tethered helium balloon enjoys a number of advantages over the hot air balloons that have been a familiar sight over the ranges.

mentation since it remains within 20 to 40 feet of the desired location. The tight tether line and the balloon's aerodynamic
Army funds for a project being carried on shape keep it straight and under close

Second, the helium balloon has great lifting capability. Without the gondola, it can lift more than a ton, an increase in capacity over the hot air balloon when air temperatures are high.

And, certainly not least important considering the area's weather, the helium balloon can fly and work in winds up to 40 knots and survive 50 knot winds, while any

CFC co-chairman pleased with fund drive's final tally

"We are proud of the fact that the Combined Federal Campaign contributions this year have exceeded all previous records. This is a testimonial to the high degree of support and dedication to the many worthwhile programs offered through the International Service Agencies, the National Health Agencies, and especially the United Way. Each individual who contributed to this effort should feel proud of the part he played in the Combined Federal Campaign," said Gary Rainwater, co-chairman of this year's drive.

A few additional contributions have brought the total up to \$112,377, with nearly 50 percent of NWC's military and civilian personnel participating.

That white and yellow sausage shaped wind over 7 to 8 knots stops tests in which Laboratories under the cognizance of R. E. the tethered hot air balloons are used.

Flight characteristics are markedly different between the two kinds of balloons, according to G. Duane Powers, the pilot, who is licensed for both. "It's like the difference between flying an airplane and flying a helicopter. "In fact," he adds, "the only reason that I am needed, since the tether operator handles the up and down First, it provides a much more movement, is that there's always the stable platform for airborne instru- possibility that a tethered flight might

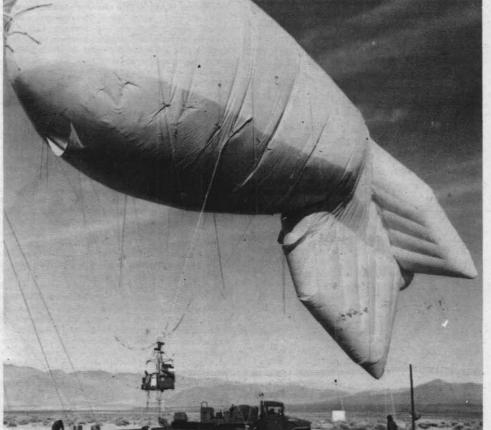
become a free flight unexpectedly." The new balloon was purchased with for the Army's Harry Diamond

Atkinson, head of the Systems Design Branch of the RF Countermeasures Division of the Electronic Warfare

"Next in line for test work using the balloon is the Air Force for a project that we'll be doing for them," says Atkinson. "Eventually we hope to use it for Navy projects also."

The increased working capability of the new balloon is expected to quickly pay for its initial cost of \$76,800, and the cost of \$70,000 for its bedding area. The tether truck used is a surplus military six-by-six,

(Continued on Page 3)



GOING UP! - The helium balloon hovers over its tether truck as part of the 10man ground crew prepares it for a flight. The balloon is tethered to its mooring mast just east of C-range tower and attached to the track (shown lower left) when it is not being flown. This permits secure anchoring of the body of the balloon while still allowing it to move with changing wind direction.



AMH1 Michael J. Zych

AMH1 Zych chosen as Bluejacket of Month for November

"An advantage of being the hot line supervisor," says Aviation Structural Mechanic 1st Class Michael J. Zych, the Naval Weapons Center's Bluejacket of the Month for November, "is that I get to see and work with all the new crop of people coming in. They are of an increasingly high quality - better and smarter and easier to

As well as his primary duty of being the Hotline supervisor, AMH1 Zych is also a radiographer who uses X-rays to nondestructively check aircraft for beam breaks, spar breaks, and other metal fractures. He also conducts ultrasonic and eddy current inspections on the Target Division's T-38 and F-86J aircraft.

According to Lt. R. S. Hill and Lt. G. E. Blum, the Line/Support Branch officers, "Petty Officer Zych is a 'HEAD and SHOULDERS' performer who devotes his full energies to professionalism. His per-

(Continued on Page 3)



HAPPY RECIPIENTS - Mrs. Priscilla Kinley (at left), representing the Navy Relief Society, and Cdr. James Ehl, representing the Combined Federal Campaign, show their pleasure at receiving checks for \$1,400 each for their respective causes from Mrs. Joyce Taylor, Thrift Shop treasurer. The Thrift Shop, run by the Women's Auxiliary of the Commissioned Officers Mess, donates half its proceeds annually to the Navy Relief Society; the other half goes for the support of worthy local organizations.

Reminder on customer courtesy during holiday season issued by NEX officer

quickly and efficiently as possible.

Remember, the Navy Exchange officer

said, lines are an almost-inescapable fact of

a crowded shopping environment. They will

form at the counters, dressing rooms,

cashier cage and pickup points. Naturally,

these lines will move much faster if

everyone, upon reaching the front,

Also bear in mind, it was suggested, that a

clerk at a high-ticket counter is compelled

to wait on one customer at a time, showing

one object at a time, before moving on to the

Merchandise that has been examined and

left in disarray must be straightened out by

the staff. And the time that it takes to put

apparel (or whatever) back in order is time

that could have been spent waiting on a

Think of the increased service that could

be rendered if all customers took the time to

neatly place an item back, Ltjg. Barnett

Patrons with youngsters in tow are urged

to closely supervise their children. Again, it

takes valuable time to track down little

Susie, who has disappeared, or help ex-

tricate Johnny's little hand that got stuck in

There are a number of other ways that

holiday shoppers can make the going much

easier - for themselves and others - but

they all boil down to the practice of cour-

consideration will help make it a reality.

With your help, the Navy Exchange can

deliver the best service humanly possible.

Pleasant shopping!" Ltjg. Barnett con-

"This is the season to be jolly, and a little

next person.

pointed out.

a vacuum cleaner hose.

remembers that others are still waiting.

Customer courtesy is a subject that Ltig. bear with the sales force, whose members M. S. Barnett, the Navy Exchange officer at NWC, feels is appropriate during the yearend holiday shopping season.

Therefore, as has been done in seasons past, a reminder is being issued urging all customers to be especially considerate of each other during the heavy shopping days

Ltig. Barnett also asked that Navy Exchange Store patrons be patient and try to

New books listed at NWC library

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

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

FICTION

Lonnie Coleman-Look Away, Beulah Land Allen Drury - Anna Hastings Victoria Holt - The Devil on Horseback Larry Niven - Lucifer's Hammer John Tarrant - The Rommel Plot

NON-FICTION Jose Greco - The Gypsy in My Soul Ezra S. Krendel — Unionizing the Armed

Forces Joseph C. Pearce - Magical Child: Rediscovering Nature's Plan for Our

Anthony Sampson — The Arms Bazaar; from Lebanon to Lockheed

Dorothy Seiffert - Beauty for the Mature

The Rocketeer Official Weekly Publication **Naval Weapons Center** China Lake, California Rear Admiral William L. Harris **NWC Commander**

R. M. Hillyer Acting Technical Director

Dr. Robert H. Pearson Technical Information Department

> Don R. Yockey Mickey Strang Associate Editor (Acting)

> > Ron Allen

Staff Photographer

News Stories Tuesday, 4:30 p.m. **Photographs** Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily

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reflect the official views of the Department of

Defense. Information in The Rocketeer

Promotional Opportunities

current NWC employees and should be filed with the person named in the ad. All others desiring employ with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information oncerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 0% or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Supervisory Clerk-DMT, GS-316-5, PD No. 7708027, Code 0823 - This position is located in Word Processing Branch 1 of the Office of Finance and Management. The incumbent is responsible for technical and administrative supervision of personnel in the branch. This includes writing position descriptions, selecting personnel, training personnel, evaluating employees' work, recommending promotions and awards, resolving grievances and taking disciplinary actions. The incumbent plans, organizes, and directs the operation of the branch; evaluates the function of the equipment and techniques; and maintains and submits records and reports. Job Relevant Criteria Extensive knowledge in use and operation of magnetic media and dictating and transcribing equipment; thorough knowledge of NWC correspondence procedures policies, and instructions; ability to communicate and deal effectively with all levels of NWC employees. Must have ability to supervise. Promotion Potential: GS-6.

ROCKETEER

Lead Payroll Clerk, GS-544-5 / 6, PD No. 7708016, Code 0864 - This position is located in the Payroll and Labor Distribution Branch in the Accounting and Disbursing Division, Office of Finance and Management. The in cumbent's responsibilities are to maintain controls on leave and payroll; supervise the pay and leave operation and to serve as liaison and control point between payroll section and groups such as the computer operations section, Disbursing and Personnel. Job Relevant Criteria: Basic knowledge of payroll and accounting systems financial and mechanized accounting systems/ regulations, a thorough knowledge of payroll com putation as it relates to processing an employee's will be trying to serve everyone and as

Supervisory Accounting Technician, GS-525-6/7, PD No. 7017051, Code 0864 - This position is head of the Payroll Reports and Controls Section. Responsible for off-Center reports relating to payroll and labor distribution, control operations of employee payroll records, mainenance of year to date earnings and deductions, Civil Service retirement records, FICA controls, employment and wage information, issuance of W-2's Job Relevant Criteria: Knowledge of NIF accounting system, knowledge of Federal regulations relating to payroll and labor, ability to supervise

Clerk-Typist or Clerk-DMT, GS-322-3 or GS-316-4, PD No. 7417026, Code 12 - This position is located in the Word Processing Center II. The incumbent types letters, memoranda and various reports, both technical and financial, from rough drafts or transcribes material from dictation equipment. Job Relevant Criteria: Ability to work under pressure, ability to use dictating machine transcriber, ability to work with a minimum of super-

Secretary (Steno), GS-318-5/6, PD No. 7112002, Code 12 - This position is located in the department office of the Weapons Planning Group. Incumbent is personal secretary to the head, Weapons Planning Group. Duties include screening incoming correspondence, organizing calendar, setting up and maintaining Code 12 personal files, handling travel arrangements, screening outgoing correspondence, making arrangements for visitors ming to Center, handling incoming and outgoing calls, taking dictation, arranging for and coordinating materials for meetings, recognizing urgent situations and adapting schedules to adjust, transcribing tapes, and acting as administrative aid to Code 12. Job Relevant Criteria: Understanding of the Navy organization and principal program offices in Washington, preferably at the CNM-CNO level, ability to handle arrangements for Navy-wide

conferences at NWC and elsewhere Secretary (Typing), GS-318-4/5, PD No. 7512013, Code 124 / 128 - This position is located in the Weapons Plan ning Group. Duties include receiving visitors, telephon calls, and mail; typing official correspondence, travel orders, security clearances and itineraries; scheduling conferences and meetings; and maintaining supervisor calendar files. Job Relevant Criteria: Must be a proficient ypist, have knowledge of Center clerical procedures, and have ability to deal with a variety of clerical and ad ninistrative procedures.

Editorial Clerk (Typing), GS-1087-4, PD No. 7723047N, Code 23131 - This position is located in the Rocketee Office, Special Writing Projects Branch, Publications Division, Technical Information Department. The incumbent performs directed research into background material for newspaper articles and for other projects of the Special Writing Projects Branch. Other editorial duties include proofreading copy, conducting occasional personal interviews, and limited writing and rewriting. In addition, the incumbent performs general clerical duties for the Rocketeer Office, such as routing correspondence, maintaining Rocketeer distribution list and typing a variety of material. Job Relevant Criteria: Ability to communicate ideas clearly, correctly, and concisely in writing; knowledge of correct grammar, punctuation spelling and English usage; ability to type with speed and accuracy; demonstrated ability to deal tactfully with all levels of NWC officials and employees

Writer (Printed Media), GS-1082-9, PD No. 7723046, Code 2313 — Applications from status eligibles will be accepted - This position is that of Associate Editor of the Rocketeer and is organizationally located in the Special Writing Projects Branch, Publications Division, Technical Information Department. The incumbent researches data, assembles facts, conducts personal interviews, and writes news / feature articles in conformance with professional journalistic style and local standards. Writing assignments primarily relate to the Center's technica programs, to tenant commands, to visiting dignitaries, and to sports. Duties also include the preparation of page make-up dummies, story and photograph layout, over seeing final make-up and paste-up, and other graphic aspects of newspaper publishing. Job Relevant Criteria: Knowledge of professional journalistic writing style and technique; demonstrated ability to communicate complex ideas in clear, concise, and grammatically correct English; demonstrated ability to deal tactfully but efficiently with all levels of NWC officials and employees. knowledge of the graphic processes of newspaper publishing (e.g. layout, paste-up, cropping, etc.).

File applications for the above with Tina Rockdale,

Clerk-Typist, GS-322-3 / 4 (WAE), PD No. 7706012N Code 0602 - This position is located in the Test and Evaluation Directorate Office. Incumbent types official letters, maintains files, receives visitors, answers telephones, and performs other various clerical duties Job Relevant Criteria: Reliability and dependability, ability to get along with others in work group, ability to type efficiently and accurately.

Clerk-Typist, GS-322-3 / 4, PD No. 7539095N, Code 3911 -This position is located in the RF Anti-Air Branch, Weapons Department, Incumbent types technical reports and memos, maintains files, acts as receptionist and screens and distributes incoming mail. Job Relevant Criteria: Ability to type with accuracy and speed, familiarity with Navy correspondence, ability to meet deadlines under pressure and familiarity with preparing and processing NWC travel orders.

File applications for the above with Marge Stanton Bldg. 34, Rm. 206, Ph. 2723.

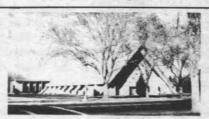
metal Mechanic Helper, WG-3806-5, JD No. 574, Code 6123 - Applications will be accepted from status eligibles. Assists journeymen sheetmetal workers and mechanic (experimental aircraft structures) in the fabrication of missiles, rocket motors, rocket sleds, electronic chassis, panels, cabinets, and other aircraft parts. Job Relevant Criteria: Reliability and dependability, shop aptitude and interest, ability to follow directions in shop, dexterity and safety, ability to work as statement forms for this position are required and may be picked up in Rm. 204 of the Personnel Bldg. Potential to

File applications for above with Janet Thomas, Bldg. 14 Rm. 204, Ph. 2925.

Code 332 — This position is located in the Systems Analysis Division, Fuze Department. The primary pur pose of this position is to provide assistance to the division head in administrative management of the division. Major duties include developing and maintaining planning tools used to forecast resource requirements of project areas er which the division has cognizance, assigning customer orders and forecasting customer order funding requirements, preparing proposed division overhead preparing position descriptions, initiating paperwork required for personnel actions, preparing and editing special management reports, and assisting in formulating contractual requisitions. Job Relevant Criteria Knowledge of accounting principles, working knowledge with personnel regulations, experience where required to

analyze information and make recommendations. Mathematician, GS-1520-11 / 12, PD No. 7733026E, Code 3321 — This position is located in the Systems Analysis Branch I, Systems Analysis Division, Fuze Department Major duties include formulating and leading the conduct of analyses for solving problems in the field of air-tosurface and air-to-air missile ordnance, establishing specialized analytical and programming techniques for the solution of problems in ordnance systems analysis

(Continued on Page 7)



DIVINE SERVICES

PROTESTANT Sunday Worship Service

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 Thursday Men's Prayer Breakfast 0630 ROMAN CATHOLIC

MASS 1700 fulfills Sunday obligation Saturday 0700 0830 1130 Sunday Nursery, Chapel Annex 1 Daily except Saturday, 1135, Blessed Sacrament Chapel

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

CONFESSIONS

"In Home" Discussion Groups As announced Youth Rallies Contact Chaplain's Office for specifics.

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

CHAPEL ANNEX 95 Services—(Sept.-May)

Fisher Plastering team retains lead in Premier League

November 25, 1977

Fisher Plastering and the Elks Lodge keglers, the No. 1 and 2 teams in the Premier Bowling League, posted threegame sweeps over two of the lesser powers in the league during Monday night's action at Hall Memorial Lanes.

As a result, Fisher Plastering, which has won 25 and lost just 8 games so far this season, remains in the league lead-three games ahead of the Elks, while the Raytheon Sidewinders are in third place.

The league leaders garnered both high team game and high team honors by rolling up scores of 1,085 and 3,009, respectively, this week.

The high individual series (692) was turned in by Jack Brown, who had games of 234, 202 and 256. Others over the 600 series mark, and their totals, were: Art Karrer (648), Vic Black (626), Warren Turnbaugh (642), Aaron Kane (615), Dick Furstenberg (612), and Ron Shargots (624).

In addition to Brown, other Premier League bowlers who had single game scores exceeding 220 were: Shargots (246), Jim Bradberry and Kane (236), Black (235), Bill Osborne (227), Jack Leininger (225), Chuck Cutsinger (224), Turnbaugh (223), and Ernie Lanterman (221).

Team	Won	Lost
Fisher Plastering	.25	8
Elks Lodge	. 22	11
Raytheon Sidewinders	. 201/2	121/2
Saddleback Sales	. 171/2	151/2
Ace Realty	. 17	16
Pollock Construction	. 161/2	161/2
Hideaway	. 151/2	171/2
Best Realty	.14	19
The Place		21
King Max	5	28

China Lake Men's Golf Club chooses officers for 1978

At a general meeting of the China Lake Men's Golf Club last Saturday morning new officers were chosen.

Re-elected as president was Mike Sanitate, with Earle Roby chosen as vicepresident. Treasurer will be Ed Nelson; secretary, John Emery, and selected as director was Dick Rusciolelli.

The meeting was followed by a turkey shoot, in which 55 players participated despite the high winds. Players were grouped in flights depending on ability. Winners and the flights in which they

participated were: Eight handicap and under: Luke Thomas, Merrell Lloyd, Bud Sewell, Frank McElfish and Tom Kramer.

Nine-to-eleven: Bill Lawson, Ray Banks and Bill Sorbo.

Twelve-to-sixteen: Duane Andre, Doug Clayton, Don Sichley, Roland Baker and Jim Heddell.

Seventeen-to-twenty-one: Percy Wiggins, Dalton Mann, Mike Sanitate and Rex Kaylor.

Twenty-two and higher: Doug Hopkins, Rod Zagala and Ken Johnson.

Doug's Corner . . . (Continued from Page-6)

Tickets are priced at \$3 each, with all proceeds earmarked for improvement of athletic facilities at the local high school. This event is being co-sponsored by the IWV Century Football Association and the NWC Special Services Division.

Ticket sales are being handled at the China Lake Community Center and in Ridgecrest at Hucek's Travel Agency and The Hideaway.

Gym Reserved for College

The NWC gym will be open Saturday night only for the Cerro Coso Community College's first home basketball season of the 1977-78 season, which will begin at 7:30.

The Coyotes will be matched against the cagers from West Coast Bible College in what will be a tune-up for the opening of the Desert Athletic Conference race against Mira Costa on Jan. 8.

Employee in the Spotlight

"Everybody up here is so warm and positive," enthuses Elena Vitale.

Elena, a writer-editor in the Publications Division of the Technical Information Department, entered that position through the Upward Mobility Program. "I've learned so much here and everyone has been so supportive and helpful!"

Upward Mobility is a program through which those who are in positions (grades GS-2 through 9) that have no promotion potential can establish eligibility for other positions with greater career growth. She went through the assessment and testing and qualified for the writer-editor position which she now holds.

Came Here Six Years Ago

When Elena came to China Lake to visit friends six years ago she had no plans of going to work for the Navy, but while here she tried out for a role in a play, got it, decided to try for a job so she could stay in the community — and got that also.

"Both really opened up a future for me," she muses. "Although I started out as a WAE and then an engineering technician, being able to go to work for the Center opened the way to the Upward Mobility position, and taking part in the play opened up a whole new field of interest for me."

Even though she holds a degree in film writing from UCLA, Elena had never acted before her experience here. Since then she has gone on to star as Helen Keller in the



Elena Vitale

local production of "The Miracle Worker" and Anne Frank in "The Diary of Anne Frank." She's also been involved with being both assistant director or director of productions for both the Community Light Opera and Theater Association (CLOTA) and the China Lake Players.

In fact, she will be the director of "Raisin in the Sun" for the China Lake Players, which is scheduled to be cast in January for March production, and also will direct "How To Succeed in Business," which will

Happenings around NWC

Plans have been announced for a no-host, for the Sierra Sands Unified School District, no-liquor, no lectures "cocktail" party that will be held at the Community Center from 4:45 to 6 p.m. on Tuesday, Dec. 6.

This first event of its type is being sponsored by volunteers of the NWC Employee Assistance Program, and is for adults only.

Entertainment will be centered around alternative ways to enjoy an evening without serving alcoholic beverages. Hors d'oeuvres and non-alcoholic drinks will be served, and entertainment is planned.

There will be a charge of \$1.50 per person to help cover costs of the party. Centerites interested in attending are asked to call either Carol Corlett at NWC ext. 2574 or Stella Payne at ext. 2648 no later than 4 p.m. on Friday, Dec. 2.

Lynn Lacey, NWC's Employees Assistance Program advisor, is in charge of preparations for this event.

Nurses' Club Slates Meeting The Indian Wells Valley Nurse's Club will meet on Monday evening at 7:30 in the multi-purpose room of the Grace Lutheran Church in Ridgecrest.

Ronald Rossi, coordinator of pupil

will discuss how the district is complying with Public Law 94-142, the "bill of rights for handicapped education."

Canned goods will be collected at the meeting for Salvation Army food baskets. The public is invited to attend.

Advanced EEO Course Open Enrollment applications are now being taken for an advanced course in EEO (Equal Employment Opportunity) for

Managers and Supervisors. A follow-on to the basic EEO course for managers and supervisors, this will to be a workshop making use of case studies, role playing and group discussions. Instructors will be members of the Center's EEO staff.

Managers and supervisors interested in attending this course must submit a training request and authorization form via proper department channels in time for it to reach Code 094 no later than Monday.

Metal Trades Council

The Indian Wells Valley Metal Trades Council will hold its regular monthly meeting next Thursday, Dec. 1, starting at 7:30 p.m. The meeting will be held at 65-B personnel services and special education Halsey Ave., China Lake.



bought for rental to authorized patrons of the Special Services Camping Issue facility in Bldg. 52, which is located in back of the old Station Restaurant. Other equipment available for rental at minimal cost includes tents, camping and backpacking gear, sports equipment (basketball, softball, football). In addition, four boats for fishing will also be available before the end of the year. Camping Issue is open on Mondays from 1 to 5 p.m. Tuesdays through Fridays from 2 to 9 p.m., and on Saturdays from 9 in the morning until 4 p.m. Further information about camping issue can be obtained by calling NWC ext. 3252 or 2080. —Photo by Ron Allen

be CLOTA's next summer production.

"It's more exciting to be on the stage, but it's more gratifying to be the director," she says. "I'm really torn between the two." But with the variety of interests that she

has, she will undoubtedly keep up with both. For instance, she likes to sing, ("I'd love to be a professional singer"), and has written some songs as well as doing other writing as a hobby. She wrote and directed the local Bicentennial American Heritage Celebration for the Maturango Museum building fund here last year, and has written skits for other productions as well as doing the publicity writing for the local branch of the American Red Cross. Sports Interests

And she's interested in physical activities, too. While at Santa Monica High School in her native Santa Monica, Calif. Elena took part in a number of sports. She played on softball, basketball, and volleyball teams, and has continued playing on similar teams at China Lake.

Along with her participation in sports, her enjoyment in working with kids has led her into coaching St. Anne's basketball, the Indian Wells Valley swim team, and even a Pony League baseball team ("That I got into on a whim").

When there isn't any other activity impending, Elena works on fixing up her house. "Something always needs to be done when you live in your own place," she says somewhat plaintively.

"There never seem to be nearly enough hours in the day for me to do even half the things that I'd like to," Elena adds. "But maybe that's because I keep on finding more interests."

With bubbling enthusiasm like that both on and off the job, Elena is assured of a long, happy, and productive life.

Some eligible for early separation from Navy

Navy personnel whose expiration of active obligated service (EAOS) occurs between Dec. 19, 1977, and Jan. 2, 1978, may be separated or transferred for separation beginning Dec. 12 under the provisions of

the Christmas "Early Out" program. Details on "early outs" during the Christmas and New Year holiday period can be found in Bureau of Personnel Manual 3840240,4,J(4). Waivers of these provisions will not be authorized.

Opportunities . .

(Continued from Page 2) using high-speed digital computers, and authoring echnical reports which present the results of ordnance systems studies. Job Relevant Criteria: Knowledge of college level mathematics and statistics, experience in th techniques used to evaluate and analyze complex missile systems, experience in scientific programing and coding of large scale digital computers. Applications accepte

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

Electronics Technician, GS-856-7, PD No. 7735087, Code 3553 — This position is that of Electronics Technician located in the Land Threat Evaluation / Developme Branch Countermeasures Division of the Electroni Warfare Department. The incumbent will operate and maintain, adjust and calibrate threat systems for which h is responsible. He also will assist the operation an maintenance of all ground based radars, beacons, and electronic instrumentation located within the area. The incumbent will attend sessions and discussions relating to the modification and installation of various kinds of rada and related equipment. Job Relevant Criteria: Knowledge of radar principles and operation, experience with tracking radar employing various techniques, ability to work independently, observed ability to work efficiently and reliably, observed ability to work well with others Promotion potential to GS-11.

Sieckowski, Bldg. 34, Rm. 204, Ph. 3118. Clerk (Typing), GS-301-3 / 4, PD No. 7738004N, Code 380

This position is located in the Research Departmen office under the supervision of the head of staff Responsibilities of the position include internal and ex ternal coordination of department personnel actions overseeing maintenance, upkeep and repair efforts per formed for Code 38 by the Public Works Department performance of mail, file, and classified document con trol; and performance of general clerical functions. Jol Relevant Criteria: Ability to type efficiently and ac curately, ability to work rapidly and accurately, ability to meet deadlines under pressure, reliability and deper dability. Promotion potential: GS-5.

Clerk-Typist GS-322-3 / 4, PD No. 773802N, Code 3810 -Incumbent is required to provide typing and clerical services to Physics Division personnel in the form of intra and inter-office memoranda, travel orders and itineraries stubs, proposals, and technical reports. Job Relevan Criteria: Ability to type efficiently and accurately, abilit to work rapidly and accurately, telephone and receptionis

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



Doug's Corner

Entries closed for racketball tourney scheduled Dec. 2-4

Entries closed on Wednesday for a racketball tournament that will be played on Friday, Saturday and Sunday, Dec. 2 through 4, at the Naval Weapons Center courts.

Individuals who signed up for this double elimination event should check the bulletin board at the gym for the dates and times of their matches. The listings will be posted next Thursday, Dec. 1.

Contestants have been placed in one of three divisions - advanced, intermediate or novice - depending upon their playing ability. The entry fees of \$2 per player will be used to cover the expenses of trophies for the winners in each division.

Youth Center Basketball

Registration will remain open until next Wednesday, Nov. 30, for youngsters 71/2 years of age through high school who are interested in playing on Youth Center basketball league teams this season.

During the first week of December, tryouts will be held and players will be rated based on their age and playing ability. Teams will then be formed and practice is scheduled to get under way during the second week of December in preparation for the start of regular league competition in January.

Signups are being handled at the Youth Center on weekdays between 2:30 and 6:30 p.m., and also from 1 to 5 p.m. on Satur-

Youths must not only meet the age requirements in order to participate, but also must be members of the Youth Center (which costs \$6 per year) and there is an additional fee of \$8 per player for basket-

Exhibition Basketball

Don't forget the exhibition basketball game coming up on Wednesday, Dec. 7, at the Burroughs High School gym between a team composed of players from the National Champion Los Angeles Dodgers baseball team and a squad that will include NWC Intramural League basketball players and members of the BHS athletic and coaching staff.

(Continued on Page 7)

Local girl places 1st in judo tourney held at Las Vegas

Leslie Leckey, a 15-year-old sophomore at Burroughs High School, recently added to her already extensive collection of trophies by winning first place in a judo tournament held in Las Vegas, Nev.

Miss Leckey competed in the lightweight division for girls 15 and 16 years of age, and won all of her matches in this doubleelimination event. Some entrants traveled from as far away as Salt Lake City, Utah, and Scottsdale, Ariz. to take part in this competition.

Other members of the China Lake Judo Club who participated in the judo tournament at Las Vegas were RLee Peters and Dave Watt. Both Peters and Watt, who were entered in the 205 lb. and under and the 176 lb. and under weight divisions for men, respectively, were eliminated in two straight matches each.

The next judo competition for Miss Leckey will be the Fiesta Bowl tourney, which is coming up tomorrow in Scottsdale,



ROCKETEER

BASKETBALL SEASON UNDER WAY — Intramural league basketball action began last week at the Naval Weapons Center gym. Games, which are scheduled on Tuesday, Wednesday and Thursday nights, begin at 6, 7:15 and 8:30 p.m. for teams that have been divided into A, B and C Divisions. In this Division A contest played on Wednesday night of last week, the F.A.C. team from Trona overcame a 22-14 halftime deficit to defeat Desert Motors, 43-39. As this photo was snapped, Richard Blosser, a forward for the Desert Motors quintet, was getting off a shot at the basket. Ready to scramble for a possible rebound is Phil Bowen (No. 42) of Desert Motors in background, while the three players on the F.A.C. squad who are visible are (I.-r.) Rich Adams, Butch Reed (No. 22), and Steve Rodriguez (at right). Dave Barrett, of F.A.C., was the high point man in this game with 10, while Desert Motors was led by Dick Jensen, who tallied 15.

Varsity cagers at Burroughs High begin practice for 1977-78 season

basketball team, which began practice this past Monday for the 1977-78 season, may be in for lean times or might just surprise a few Golden League foes.

According to Coach Larry Bird, who is beginning his fourth year at the reins of the Burros' varsity cagers, this is is the first time since he has been here the squad hasn't included at least one returning player who was a starter the previous season.

Therefore, depending upon how quickly the players learn to work as a unit and can polish their skills, the Burros will either be in the midst of the Golden League race, or will have to settle for the consolation of gaining experience and building for a better season a year from now.

Key men from the 1976-77 squad who have departed are Robert Campbell, Kevin Silberberg, Carlos Gilbert, Steve Hamm,



Leslie Leckey

Burroughs High School's varsity Hugh Washburn, Alan Robertson and Benny

In their place, the Burros varsity hoop team has three seniors who are returning lettermen and are potential starters this season. They are Terry McRoberts, a guard, who will be playing his second year of varsity ball; Dave Furstenberg, a forward, and Jay Kovar, the tallest one of the three at 6 ft., 31/2 in., who is slated to see action at the center or post position.

Other seniors on the squad, all of whom were on the jayvee team last season, are Will Levy, post man or forward, who was the jayvees' top scorer; guards Chris Dominguez, Tony Pfau and Kevin Gilkinson, and Jony Homer, a forward. All except Gilkinson were starters for the Burros jayvee squad.

Two juniors on this year's varsity squad who Coach Bird anticipates may work their way into starting positions are Rob Tomaras and Ron Garrett, both forwards, who were starters on last year's sophomore

In addition, there is one more junior and three sophomores on the current varsity roster. Jim Crider, who can play either the post or a forward position, is the junior, and the three sophs (all starters on last year's freshman team) are forwards Richie Drake and Mike Wirtz, and Steve Motte, who is a 6

The Burros varsity hoopsters scrimmaged this past Wednesday evening with their counterparts from Barstow, and have another scrimmage coming up on Tuesday evening against Bishop High School in Bishop.

The first regularly-scheduled pre-league game is to be played next Friday, Dec. 2, when the BHS varsity will host the hoopsters from Rubidoux High School in the San Bernardino area. Tip-off time will be 6:30

Comets (in the Pacific Division), and the

Following the youth league competition.

Intramural League basketball action under way at NWC

Opening games of the 1977-78 season of Intramural League basketball at the Naval Weapons Center were played on Tuesday, Wednesday and Thursday nights last week at the Center gym.

A total of 18 teams are involved in the Intramural League competition, including five squads each in Divisions A and B, and eight in Division C.

At the end of the first week of action, the F.A.C. team from Trona and the Clansmen were tied for the lead in Division A with a single win apiece. The Clansmen knocked off Loewen's No. 1 by a score of 70-63, while the F.A.C. hoopsters edged Desert Motors,

In other Division A competition, the Loewen's No. 1 team evened its record at 1 and 1 by defeating the Devils Guns, 67-56. In Division B, the Foremost Boys got off

to a 69-44 win over the Bebops and the Worms defeated the Speedway hoopsters. 56-28. Most exciting action of the week was an overtime contest which the Bebops won. 53-52, over the Short Horns.

The Renegades posted a lopsided 60-17 win over Team "X" in the season's first Division C contest. In this same division, the Wild Bunch let the air out of the Gasbags, 32-27, and Jokers battered the Medicine Men, 49-33.

There was a holiday break yesterday in the Intramural League basketball schedule. but action will be resumed on Tuesday night at 6 when two Division B teams, the Speedway and Short Horns, will tangle.

This contest will be followed at 7:15 by the Gasbags vs. Team "X," and the evening's finale at 8:30 matches F.A.C. and the Devils

On Wednesday night, Nov. 30, it will be Bebops vs. Worms at 6, Medicine Men vs. Lobos at 7:15, and Loewen's No. 1 vs. Desert Motors at 8:30.

Scheduled to tangle in the first, second and third games, respectively, on Thursday night, Dec. 1, are the Foremost Boys and Speedway, the Jokers and Team "W," and the Clansman and F.A.C.

Water polo matches next event in race for Admiral's Cup

Admiral's Cup competition in water polo between teams representing NWC North (the airfield), NWC South (mainside personnel), and VX-5, will be held on Tuesday, Wednesday and Thursday evenings. starting at 8:30, at the indoor pool.

The VX-5 Vampires, who are on top currently in the Admiral's Cup competition, will take on the NWC South team on Tuesday night, and it will be NWC North vs. NWC South on Wednesday.

The final water polo match between VX-5 and NWC North is scheduled on Thursday evening, Dec. 1.

The Vampires' team is led by Mike Morrow, as player-coach, and includes Lawrence Thompson, David Strong, John Leslie, David Parks, Kevin Mason and Richard Jones.

Bill Wright, player-coach for NWC South, heads a team composed of Dave Crandall, Mike Barnett, Peter Whipple, John Pedreira, Bill Bacon, Michael Smith, Ken Blevins, Mark Carillo, John Hand, Cary Diminyatz, Richard Schleuhuber, Mike Keaton, Marshall Rossiter, John Morgan, Harvey Weeks, Christopher Wood and Alan

At press time, information was unavailable on the roster of the water polo team that will represent NWC North.

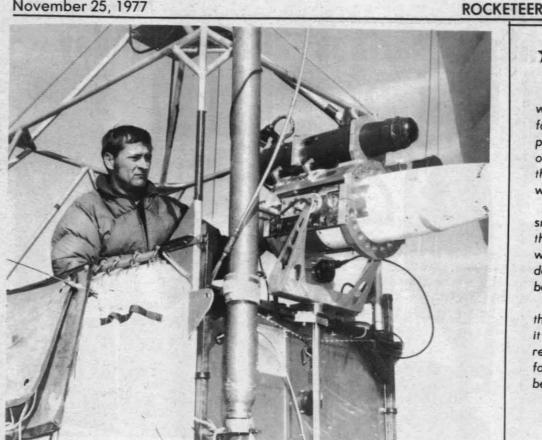
Winds force postponement of soccer games

Because of high winds last Saturday morning (gusts of around 50 mph were recorded by the Naval Weather Office at the NWC airfield), the final three games of the Youth Center Soccer League were post-

The new date set for the contests between Spirits and Apollos, and the Cobras vs. the p.m.

Atoms vs. Cosmos of the American Division is Saturday, Dec. 3.

the China Lake Soccer Club's adult team will engage in a rematch with its counterparts from Edwards Air Force Base at 1



READY FOR TAKEOFF — Balloon pilot G. Duane Powers finishes a pre-flight check of the gondola prior to heading skywards. The gondola is designed for one man operation, although during some tests two men and the necessary hardware for the tests can be carried aloft. -Photos by Ron Allen

Helium balloon used in tests on range . . .

(Continued from Page 1)

with a surplus winch on it that nearly fills the back of the truck. Being able to use military surplus for these necessary parts of support equipment probably cut total costs in half, according to Atkinson.

The balloon itself is new. Its skin is 7 mils thick, which is sufficiently strong enough to hold the 70,000 cubic feet of helium needed to fill it to working capacity. Since NWC is already a user of industrial helium, the cost to fill the balloon from available sources is only about \$5,000. Ordinarily the balloon will remain inflated and moored to its tower, just east of the Charlie range tower. The mooring tower was also obtained from surplus military stock.

The tether consists of a neoprene coated cable of kevlar, a man-made fiber of exceptional lightness and strength. A 3 / 8-in. thick cable of kevlar is rated at 10,000 lb. strength — the same diameter as steel cable that would be considerably heavier. More than a mile of tether is available on the truck even though a maximum altitude of only 2,500 ft. is currently planned for balloon

Bluejacket . . .

(Continued from Page 1) formance as hot line supervisor and NDI inspector has been superb."

A native of LaPorte, Ind., AMH1 Zych entered the Navy shortly after graduation from LaPorte High School in 1966. While at his first duty station in Puerto Rico, he met his wife, Kristin, a native of Whittier, Calif., who was there with her mother and stepfather, also a Navy man. The couple have two children: Bradley, 9, and Nicolle, who is 5 years of age.

Active in Sports

AMH1 Zych led the hot and cold lines to a first place finish in the NWC Fall Olympics. He is active in a variety of sports, and belongs to the Mojave Desert Officials Association, whose members officiate at high school basketball and football games, in addition to working at various intramural sports on the Center.

He and his wife share both a hobby of bowling and a general interest in sports that led to their opening a catalog store for sporting goods in Ridgecrest. For his selection as Bluejacket of the

Month, AMH1 Zych and his family will visit Bakersfield some weekend soon under the sponsorship of Dick Davenport of Jack Davenport Office Equipment of that city. They will have their room and meals paid for there, and will receive the loan of a new Ford from Desert Motors in Ridgecrest to use in making the trip.

Total inflation time for the balloon is about five hours. The skin itself takes about an hour to unroll, and another two hours are needed to install the hardware such as the nose and the valves before the helium is

The gondola was designed for one man operation, although even with all the instrumentation needed for tests, two men can comfortably work in it.

Flights are anticipated to last from 3 to 5 hours in the helium balloon. These should be more pleasant than in the hot air balloons, since the propane generator to heat the air for the hot air balloon is quite noisy, while the helium balloon is slightly less noisy even with the onboard gas-driven electric generators required to supply power for the

Having both kinds of balloons available at China Lake rounds out the Center's capability for tests and project work in that each has its own unique characteristics and capabilities, according to Atkinson.

Powers adds that "They're both interesting and fun to fly, too.'



EQUIPMENT CHECK - R. E. Atkinson (at left), head of the Systems Design Branch in the Electronic Warfare Department, confers with balloon pilot G. Duane Powers about equipment carried in the gondola of the balloon. The gondola is transported to test areas on its own truck, a surplus military vehicle.

** From The Commander

Last Friday the NAVMAT Inspector General (IG) team concluded a two week inspection of the Center. Their look at us came at a time when I was forming my own opinions regarding the state of our "health". I am very pleased to report that the preliminary report of the IG agrees with my own: We are in excellent shape — with no major flaws. That's not to say there aren't some things we should try to fix or improve — we can, and

The IG team leader, CAPT LECHLEITER, was very impressed at how smoothly the inspection went and how much was gotten from it. He said that we were not only well prepared for the inspection but approached it with an excellent attitude. Because of this the inspectors had no difficulty determining what was going on here. You should all take pride in this, because it's the stuff from which good reputations are made.

I must share with you what I feel was the IG's most significant remark: they said that you all gave honest answers, even when you realized that it wasn't the reply they were looking for. Since that is the way good reputations are made, let's all vow that giving an honest, straightforward reply, whether to an administrative or technical question, becomes the hallmark of the "Lake".

Congratulations to all who are responsible for the Center's fine work.

W.J. Harris

Dr. Probus speaks at ASPA meeting . . .

(Continued from Page 1) been met through attrition, it became necessary to rebalance the work force in order to replace certain skills lost in the process of attrition — hence the need for the RIF and a modest follow-on number of new-

In comparison to the Navy as a whole. however, the laboratory community has suffered fewer reductions in personnel, Dr. Probus said.

He also touched on the fact that in this country, with its problems of inflation and unemployment, strong pressure to reduce the size of government is coming from

Navy Aeroballistics Committee now led by NWC employee

During a recent meeting of the Navy Aeroballistics Committee at the Naval Air Development Center, Warminster, Pa., Ray Van Aken, head of the Aeromechanics Division of the NWC Systems Development Department, was chosen to serve as chairman of the committee for 1978.

The committee is chartered by the Naval Air Systems and Naval Sea Systems Commands to review aeroballistics technology and make recommendations for projects to be undertaken in that field. It also provides an opportunity for information to be exchanged at the working level by those involved.

The committee itself is comprised of epresentatives from the Naval Air Development Center; the Applied Physics Laboratory, Johns Hopkins University; the Naval Surface Weapons Center; the David Taylor Naval Ship Research and Development Center; the Pacific Missile Test Center; and NWC. Both systems commands also are represented by associate members.

Others in Attendance

Meetings are attended by not only committee members, but also representatives of a wide spectrum of industry having Navy contracts, universities, NASA, the Army, Air Force and the Office of Naval Research.

Six technical panels from the committee are concerned with specific aspects of aeroballistics. Two of these are chaired by NWC personnel. Robert Hall of the Airbreathing Propulsion Branch of the Ordnance Systems Department is chairman of the Air Inlets and Diffusers Panel for the second year. Also for the second year, Frank Markarian, head of the Aerothermodynamics Branch of the Systems Development Department, is chairing the Heat Transfer Panel.

Other NWC representatives on the committee and panels are R. E. Meeker, Steve Carter, Dr. William Clark, William Werback, Ed Jeter, Dr. A. R. Maddox, James Marshall and Klaus Schadow.

business and industry, which wants to have more of the various kinds of work federal employees are doing performed under contract by the private sector.

Contacts and associations are important, Dr. Probus stated, as he continued by stressing that "we have to participate in our government, and have to provide more factual information on our R&D Centers to the Office of Management and Budget and to the Congress in order to insure the continued recognition and support of the roles and need for our in-house laboratories."

The Director of Navy Laboratories did not downplay some of the problems that Navy does have. In fact, he began his talk by reading a headline from the Washington Post newspaper and then went into a few details of the story on which the headline, "U.S. Navy in Distress," was based.

Problems Being Alleviated

Dr. Probus made it plain, however, that many things are being done to solve these problems and to improve the Navy's efficiency of operation. He further emphasized that the laboratories are already contributing substantially to the solution of many of these problems, and are expected to make even greater contributions in the

During the time allowed for questions from the audience following his talk, the distinguished visitor from Washington, D.C., scotched the rumor about a pending merger of the Naval Weapons Center and the Pacific Missile Test Center at Point Mugu. On this matter, he said that there are no plans to put NWC and PMTC under a single command.

The Director of Naval Laboratories also replied to a question about a study which is under way on the cost to the federal government of doing business in-house vs. contracting out. This is a matter that has not yet been resolved by the Office of the Secretary of Defense, but at the present time it appears, Dr. Probus said, that consensus on the subject would be that there will be an added expense of 20 percent which must be figured in as a part of inhouse operations.

Some Skepticism Expressed

Asked about implementation of a system for developing standards regarding how many people are required to do a particular kind of job, Dr. Probus could only say that he is very skeptical and concerned about the extent to which such concepts can be applied to R&D Centers. However, he pointed out that the Navy is undertaking such a study, and that the R&D Centers are required to participate in it.

"We must explore constructive alternatives, and not merely argue that nothing can be done to provide a better rationale for our manpower needs and allocations within the R&D Centers," Dr. Probus stated. In view of this, all ideas and suggestions from any quarter will be welcome, he said.

Flag pageant, annual ball highlight Marines' 202nd birthday



FLAG PAGEANT FINALE - Rear Admiral William L. Harris, NWC Commander, and Col. L. A. Madera, Marine Corps Liaison Officer, look on as the historical flag pageant, which was a prelude to last Saturday night's annual Marine Corps Ball, came to a conclusion. Guests at this gala event in celebration of the 202nd anniversary of the founding of the Marine Corps entered the Commissioned Officers' Mess through a front door that had been temporarily remodeled to resemble a front line bunker, complete with sandbags and weathered



FLAG PAGEANT UNFOLDS — Standing before an American flag of World War I vintage is a Marine dressed in the uniform of that day. He is armed with a Springfield '03 rifle, a favorite weapon of snipers in World War II.



WOMEN MARINES REPRESENTED - During World War II, the way was opened for women to serve in the Marine Corps and, by 1945, more than 20,000 women had joined this nation's elite fighting unit in a support role. Shown above is Sgt. Carol Brouse.



HONOREES AT HEAD TABLE — Those seated in places of honor during the San Diego Marine Corps Recruit Depot's flag pageant were (I.-r.) 1st. Sgt. Jimmie E. Howard, USMC (Ret.), Congressional Medal of Honor winner; Mrs. Jean Harris, seated next to her husband, RAdm. Harris; Col. Madera, USMC; Mrs. Millie Sorenson and her husband former Marine 1st Lt. Richard K. Sorenson, another Medal of Honor winner.



PAGEANT NARRATOR - Historic

events that influenced the design of the

American flag down through the years

were described by Sgt. Fred O'Dare,

the flag pageant narrator.



preparing to leave the Mojave Rm., uniform is this replica of the type of Marine Corps attire worn when the Marines made their presence known on the batsetting for the flag pageant, and move with others of the more than 200 persons tlefield during the War of 1812 and in the Mexican War of who attended the Marine Corps Ball



DISTINGUISHED GUEST - Medal of Honor winner Jimmie E. Howard, a retired Marine Corps 1st sergeant, chats with RAdm. and Mrs. Harris. First Sgt. Howard received the nation's highest honor for gallantry in action during the Vietnam



ADVANCED TO CHIEF - AGC J. E. McMullen (at left), chief petty officer-incharge of the Naval Weather Service Environmental Detachment at China Lake, offers congratulations to former Aerographer's Mate 1st Class Chelmar E. Finger as he presents him with a certificate of appointment to chief petty officer. Earlier in the day, AGC Finger went through the traditional initiation ritual for new CPOs that was held at the CPO Club. A veteran of 15 years of active duty in the Navy, AGC Finger has been at China Lake since August 1976. He was transferred here from duty on Midway Island.

Live Christmas tree donations sought for use in Regional Park

how to care for a live Christmas tree can be

obtained from local nursery dealers who

Ridgecrest are Alleppo pines, black pines,

Italian stone pines and Mondel pines. Young

As a service to the community, members

of the Burroughs High School Key Club,

Explorer Post 831 and the Ridgecrest

Kiwanis Club will deliver trees from local

nurseries to the homes of local residents

from Dec. 18 until 23, and then pick them up

After that the trees will be stored and

cared for by the Kern County Parks

Department until planting time in the

spring. Organizations, business places and

a Christmas tree to the Kern Regional Park

individual families all are invited to donate

Additional information can be obtained by

calling either Boggs at 375-2120 or Florence

have them on sale.

tainers are being sought.

This holiday season, the Kern County and their stay indoors should be limited to Regional Park Advisory Committee is in- 10 to 14 days at the most. Information on viting local area residents to lend their support to the on-going development of the regional park in Ridgecrest.

November 25, 1977

One way in which this can be done is to purchase a live Christmas tree and, after displaying it for the holiday, to donate it to the regional park.

According to Thom Boggs, chairman of trees that are in 1, 5, 7, or 15-gallon conthe Kern Regional Park Advisory Committee, the county has almost completed its development of the 11.3 acre site between China Lake Blvd. and French St. (the Burroughs High access road) and the intersection of Coso St.

"If the Indian Wells Valley is to have any more of a park at this location, it will have on Dec. 27 and 28. to be through the efforts of the citizens of the valley - you and me," Boggs points out.

Each of the nursery dealers in the valley has been invited to participate in the live Christmas tree donation project. It is recommended for those who wish to participate as donors of trees for later use in landscaping at the park that the trees be ordered from the nursery as soon as

Any such trees will do better, it was noted,

members, headed by Len Piper, as president, began this service on Wednesday night of this week and will continue it through Sunday night. They are donating both their time and money in an effort aimed at trying to make sure that someone else doesn't have a vehicle accident.

Change of Station (PCS) Program.

any PCS shortfall.

1. Increased continental U.S. (CONUS) no cost reassignment.

2. Reduced assignments involving cross country moves.

3. Additional cost avoidance actions currently under consideration or implementation are as follows (degree of implementation will be contingent upon the final level of approved funding):

(1) Increase overseas shore stationed personnel up to the maximum DoD prescribed area tours. Accompanied tours would increase from 36 to 48 months and career bachelor tours would increase 24 to

CONUS shore tours up to 12 months. Types of trees that will be accepted for **ENLISTED PERSONNEL** donations to the Kern Regional Park in

Funds lacking for Navy Permanent Change of Station Program in '78

Additional funding has been requested in avoidance actions will, of necessity, be implemented to remain within budget

The PCS funding shortfall results from budget cuts and inflationary increases in the cost of moving. Relief has been requested from the Office of the Secretary vital area. of Defense. In the interim, the following cost Holiday hours at NEX avoidance actions will apply to the assignment of both officer and enlisted personnel in order to reduce the impact of

OFFICERS

(2). Increase selected CONUS sea and

(1) Increase overseas tour lengths for 12:30 to 3 p.m.

The Navy has a shortage of funds in selected areas up to 12 months. Areas being support of the Fiscal Year '78 Permanent studied include Hawaii, the Philippines, Puerto Rico and Bermuda.

It is recognized that these actions will order to meet Navy requirements and to impinge on the ability of detailers to comply consider personal preferences relative to with personal duty preferences. However, future duty assignments. However, if the detailers will make every effort to satisfy funding requests are not approved, cost duty preferences within the imposed fiscal constraints and the above assignment

> Actions resulting from the additional budget and deprogramming requests will be promulgated upon receipt to keep military personnel informed in this most

Beginning next Thursday, Dec. 1, the main Navy Exchange Store and Annex, the men's store and Toyland, all will remain open until 8 p.m.

The additional hours of operation will be in effect on each Thursday (Dec. 1, 8, 15 and 22), as well as on Friday, Dec. 23.

These same shopping facilities for active and retired military personnel also will be open additional hours (until 4 p.m.) on Saturdays — Dec. 3, 10, 17 and 24.

TB tests are scheduled

HMC C. J. Fellman, head of the Naval Regional Medical Center's Environmental Health Branch, announces that tuberculosis tests will be given to civilian employees of the Naval Weapons Center on Monday and Tuesday at the Salt Wells First Aid Station from 8 to 11 a.m. and from 12:30 to 3 p.m.

The tests also will be administered on Dec. 5 and 6 in the Michelson Laboratory first aid station from 8 to 11 a.m. and from

Radiothon nets \$600, more money sought to aid programs at college

A four hour Fire Mountain Foundation Radiothon, broadcast from Reigel Realty last Saturday over Radio Station KLOA, netted the foundation \$600 in donations and

The total was far less than the \$4,320 that the organization had hoped to receive for the support of Cerro Coso Community College programs. Because funding is desperately needed to finance current programs, the effort to solicit donations will be continued until the goal is reached.

An estimated 120 persons stopped in at the Radiothon to enjoy the entertainment arranged by Paul J. Riley, dean of student

personnel services at Cerro Coso College. Bidding on three items - an Arabic dinner for four, donated by Sophie Dodge; a personalized family tree oil painting, donated by Grace Kuwahara Bracken; and the services of Paul Riley as a pianist for three hours at the donor's private party, brought in nearly one-fourth of the total.

The "buy time" project, a major element of the fund raising campaign, will be continued until donations totalling \$4,320, which is 10 cents for each second of time on a 12 hour clock, are received.

When that total amount has been reached. the clock will be removed from a bank vault in which it is stored, and the donor who has the exact second of time the clock stopped will receive a \$500 cash prize.

Memberships in the Fire Mountain Foundation will also continue to be sold, according to Ruth Cooper, foundation president. Memberships range from \$25 to \$500 annually, with a life membership costing \$1,000.

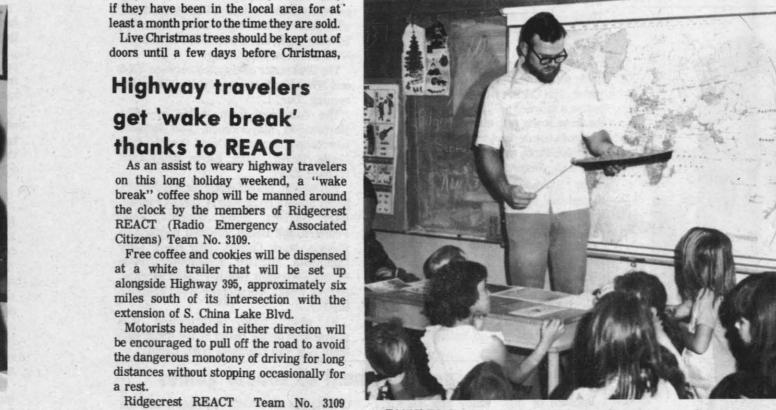
Those who made pledges by telephone are reminded to mail in their checks to Fire Mountain Foundation, Cerro Coso College, Ridgecrest, 93555. All donations from 10 cents up are welcome and donors making contributions now will be awarded seconds in the "buy time" contest.

"Total community support is necessary for the foundation to fulfill its program of providing assistance to the college," said Dr. Richard S. Meyers, college president. "If each family in the Indian Wells Valley would send in 25 cents we would reach our goal of \$4,320,

Blue Cross rep to visit

Kris Bergan, the Blue Cross / Blue Shield insurance representative, will be at the Community Center, Wednesday, Dec. 7. between the hours of 10 a.m. and 2 p.m. Enrollees in the plan who wish to talk with Bergan will be seen on an appointment-only

A sign-up sheet for appointments will be available at the front desk of the Community Center starting Monday. No appointments will be accepted by telephone.



in Ridgecrest.

Green at 375-8868.

TALKS TO CLASS — Fire Control Technician 1st Class Robert S. Heslin tells Mrs. Bettye Rivera Sembach's third grade class at Vieweg School about the cruiser on which he is stationed. As part of their language arts program, the children have written letters to the three fathers of class members who are on assignments overseas; FTM1 Heslin's daughter Jacqueline is a class member. While home on leave, FTM1 Helsin came to school to meet the children who had written to him, and to talk to the class about his ship and its history.