### Page Eight

**Ballet Arts Theatre** announces plans for holiday performance

The Ballet Arts Theatre will present the Nutcracker ballet in the Burroughs High School lecture center on Saturday, Dec. 17, at 7 p.m. The production will be under the direction of Bette Jacks.

Piano students taught by members of the Desert Area Music Teachers Association will accompany the dancers. The young pianists include Laura Di Pasquale, Tracy Padgett, Sandy Brammer, Therese Wirtz, Steve Fry, Yurko Afendykiu, Wendy Smith, Jim Hall, Heather Dolph, Cami Johnson, Mary De Santo, Denise O'Brien, Cindy Stull, Michele Miyatake, Rhonda Lindemann and Michele Ankeney.

Cynthia Kaye will play the recorder during the Chinese dance, Susan Lauer will play bells during the Dance of the Sugar Plum Fairy, and Susan Ankeney will be the narrator for the ballet.

A brass choir composed of students from the Burroughs High School Music Department will perform before the ballet, and the Sierra Winds and Sierra Ayres consorts, whose members play the recorder, will play old and new Christmas music following the performance.

The admission charge is \$1 per person. Tickets can be purchased in advance at Loewen's and The Music Man, and also will be on sale at the lecture center box office prior to the performance.

Proceeds from the program will help pay for the new grand piano at Burroughs, which will be played by the young planists during the evening's performance.

### China Laker entered in chili cook-off slated in Las Vegas

Don Tilford, an electronics technician in the Microwave Radiometry Branch of the NWC Electronic Warfare Department, will be a contestant in the second annual Nevada chili cook-off, which is to be held tomorrow and Sunday in Las Vegas.

Tilford will be assisted in his efforts to win the first, second or third place prizes of \$500, \$200 and \$100 (or one of the trophies that go to the top five finalists) by a team of five other local residents.

They are his wife, Carol; Doug and Mundy Tilford, his son and daughter-inlaw; David Tilford, another son; and Ava McClendon

The chili cook-off will take place in the parking area adjacent to the Big Top convention area of the Circus Circus casino. From start to finish, each entrant will have three hours in which to prepare and cook his special brand of chili.

Tilford, who is being sponsored by the King Cow steak house in Ridgecrest, wouldn't comment on his particular recipe except to say that the meat will be marinated for at least two hours in teguila.

This is the first chili cook-off competition he has ever entered, although he has been a helper for one of the entrants at the last two international chili cook-offs held at Rosamond.



Don Tilford



ROCKETEER

RECEIVES CONCERT TICKETS - Mrs. Jean Harris, wife of the NWC Commander, expresses her pleasure as she receives a complimentary family pass for the Desert Community Orchestra season from Forrest Easley, president of the Desert Community Orchestra Association. The presentation was made as a welcoming gesture to the Harrises, and also as a symbolic way of thanking NWC for its cooperation with community cultural activities. That great Christmas-time favorite, Handel's "Messiah," will be performed in joint concert by the orchestra and the Cerro Coso Community College Choir tomorrow night at the Center theater, beginning at 8 p.m. Tickets, sold at the door, are \$2 for adults and \$1 for students, military enlisted, and senior citizens. Season tickets, also available at the door, are \$10 and \$5 respectively. -Photo by Ron Allen

### **Community orchestra, college choir** to present 'Messiah' Saturday night

The Cerro Coso / Desert Community Orchestra and the Cerro Coso Choir will perform Handel's oratorio "The Messiah" on Saturday, starting at 8 p.m. in the Naval

Weapons Center Theater. Originally scheduled for presentation at the Cerro Coso lecture hall, the performance was moved to accommodate the large audience expected.

The orchestra will be directed by Daniel Swen, and Gordon Trousdale, Cerro Coso director of music, will conduct the choir.

Featured local soloists are Marlys Melsted, Eva Lou Hughes and Mary Lee Thomas, sopranos; and Hollis Erdmann, voice instructor at Cerro Coso, tenor. Guest soloists will be Diane David, who is a soloist with the Riverside Chorale, and Walter Martin, a member of the music faculty of the University of Redlands

"The Messiah" is the only one of Handel's oratorios which draws its text strictly from the Bible. It is contemplative rather than dramatic, with the soloists speaking for mankind in general rather than representing any particular person.

General admission tickets for the performance are \$2, with student, military, and senior citizen admissions being \$1. Tickets

### Final performances of

### 'Tom Sawyer' scheduled

The final performances of the Burroughs Children's Theatre group's presentation of "The Adventures of Tom Sawyer" will be held at 7:30 tonight and at 2:15 and 7:30 p.m. tomorrow at the high school lecture center. Admission prices for this stage adaptation of the Mark Twain classic are 50 cents for children under 12 years of age, 75 cents for those 13 through high school, and \$1.25 for everyone else.

Tickets will be available at the lecture center box office prior to each performance, and may also be purchased from members reservations may be made by calling NWC of the cast.

will be on sale at the NWC Theater box office starting at 7 p.m. on Dec. 10. Season tickets for the remainder of the

Community Orchestra performances can be obtained at a cost of \$5 per person or \$10 for a family admission.

Burroughs orchestra, bands plan Christmas concert next Tuesday The Burroughs High School Instrumental Music Department will present its annual Christmas Concert at the high school lecture center on Tuesday evening at 7:30.

General admission charge is \$1, with tickets being on sale at the door prior to the performance.

Donald Wilkinson will conduct both the Burroughs concert band and the symphonic band, while Deanna Coones will direct the orchestra.

A variety of Christmas music from all lands and from throughout the ages will be performed, ranging from "Fantasia on Greensleeves" through "Hark the Herald Angels Sing" to "A Thing on the Twelve Days of Christmas."

### Members' Party planned Saturday at CPO Club

Tickets are still available for a Chief Petty Officers' Club Members' Party that will be held tomorrow night at the CPO Club

The first such affair to be planned by the CPO Club management, it will include a buffet-style dinner from 7 to 9 p.m., followed by music for the dancing and listening pleasure of CPO Club members that will be provided by the Ed Frezza Trio, a local contemporary rock group.

Tickets are priced at \$6 per person, and ext. 3633, or stopping off at the CPO Club. December 9, 1977



inform parents about the suitability of movie content for viewing by their children (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. 9 DECEMBER

"BLACK OAK CONSPIRACY" (100 Min.) Jesse Vint, Karen Carlson

(Drama) Vint returns to his home town of Black Oak, where his mother is seriously ill, and learns that a mining company operator has acquired his mother's property and his former girlfriend. Through a friend, he finds out that his mother's property was not sold, but signed over to th ining company. Suspense builds as a former sheriff and the mine owner plan to safeguard the land swindling scheme by killing Vint's mother's doctor and nurse and framing Vint for the mur ders, Released March 77. (R)

10 DECEMBER Cerro Coso / Desert Community Orchestra and Cerro Coso Choir present "THE MESSIAH"

8 p.m.

11 DECEMBER "FOR THE LOVE OF BENJI" (113 Min.) Benji, Patsy Garrett, Ed Nelson,

Cynthia Smith, Allen Fiuzat (Comedy Drama) Garrett, Smith and Fiuzat take Benji on a flight to Athens. Nelson, who is also on the flight, anesthetizes Benji and presses his paw hard against a metal object. Benji escapes into the crowded streets of Athens trying to find his owners. Nelson tracks Benji with a doberman and discovers him with his family. He tries to persuade them to let him have Benii because of his value to the government. Suspense builds as Benji escapes; Smith is held hostage by Nelson, and Benii rescues her. Released June 77

### 14 DECEMBER

### "FIRE SALE" (89 Min.)

WED

Alan Arkin, Rob Reiner, Sid Caesar (Comedy) The owner of a clothing store that is going bankrupt persuades Caesar to set fire to the store, while he is on a trip with his wife, in order that he may collect on the fire insurance policy. The store owner's sons, Arkin and Reiner, who are besieged with their own financial problems, learn of the plot and decide to cash in on the policy themselves. A wild chase to stop Caesar from burning the store fails, but they prosper by holding a fire sale. Released June 77 (PG) 16 DECEMBER

#### "THUNDER AND LIGHTNING" (101 Min.) Kate Jackson, David Carradine,

#### Roger Carmel

(Action Comedy) Carradine is an irrespressible onshine runner with the temerity to compete with Jackson's father, Carmel, who is the owner of a soft drink bottling plant and a moonshiner backed by the syndicate. A pair of bungling syndicate hit men are hired by Carmel, to louse up Carradine's action. (PG) 17 DECEMBER

#### "SINBAD & THE EYE OF THE TIGER" (120 Min.)

#### Patrick Wayne and Jane Seymour

(Fantasy-Adventure) Romance and black Wayne's plans to marry a princess hindered until he can return her brother to human form and his rightful role as Caliph. Wayne, Seymour and crew sail from their homeland and enlist the aid of a powerful seer and his daughter. Impeding the quest are giant insects, prehistoric beasts and supernatural creatures, Released June 77 (G)

### Dances set at Shuttle

The Luther Davis Band will play for the dancing and listening pleasure of patrons at The Shuttle tonight from 9 until 1:30 a.m. Tomorrow night The Shuttle has been reserved for the VX-5 Christmas party and

will not be open to its regular customers. U.S. Government Printing Office:

PLACE STAMP HERE



\$1.222,000.

\$60,000.

Naval Weapons Center China Lake

December 9, 1977

Vol. XXXII, No. 49

### INSIDE ....

Toys for Tots Dance Slated ......2 Summer Exam Information ......4 Traffic Safety Program Held ......5 "The Messiah" To Be Presented ....8

Officials of the General Services Administration (GSA) office in San Francisco are currently in the process of checking the credit standing and background of the top bidders from among the 14 companies and individuals who are interested in purchasing the 600 homes in the Desert Park (Wherry housing) area of the Naval Weapons Center, following the bid opening on Thursday of last week.

Regulations governing the sale of property that is excess to the government's needs permit a 90-day period for the GSA to decide whether or not to accept any of the bids that are received.

At this time, the high bidder is Cloverdale Properties, Inc., an apartment and home rental company in Seattle, Wash., which offered \$3,165,000 (or a little more than \$5,000 per unit) for the 220 duplexes and 40 fourplexes in the Wherry housing area.

**Other Bidders** 

Next highest bid received for purchase of the Desert Park homes was reported to be the \$2.25 million offered by Kwang Chou Hwang, of Palos Verdes, CA. Other bids received, the firms or individuals submitting them, and the amounts, were:

Altamimi Properties I, of Los Angeles, \$1,801,000; William J. Coleman, of Paramus, N.J., \$1,800,000; Ron-Mar Construction, of Auburn, CA., \$1,500,000; Saul and Alexander M. Salzberg, of Norwalk, Va., \$1,269,000; Orange County Real Property Investments, Inc., of Tustin, CA., \$1,266,000; and a Los Angeles firm (the 930 Robertson Blvd. Corp.), which bid

Other bidders were Donald F. Bumpus, of Pasadena, CA., \$1,000,000; John Gill, of Fremont, CA., \$155,880; the Drogin Co. of San Diego, \$150,000; Paul D. Williamson, of Santa Ana, CA., \$121,050; Central Trust Properties, of Los Angeles, \$60,930; and Mayo R, Delilly M, D., Inc., of Los Angeles,

Whoever the successful bidder turns out to be (if GSA accept any of the offers that have been made) there are improvements and changes that will have to be made by the purchaser in order to qualify for sewer system hookups, electric power and water

### **Exterior decorative** Yule lights banned in residential areas

The Chief of Naval Operations has recently promulgated the lighting policy to be followed for the 1977 Christmas holiday season.

The policy is essentially the same as for the past two years, and imposes limits on the use of outdoor decorative lighting. Decorations and displays are to be predominantly non-electric.

However, the CNO policy allows lighted displays at Chapels and a centrally located lighted display. Accordingly, the NWC Commander has authorized the lighting of the star on "B" Mountain, and the illumination of the manger and Hannukah scenes on the All Faith Chapels' lawn, as well as the traditional roof ridge lighting atop the chapel.

In addition, Rudolph and his sleigh will be illuminated at the main gate during the holiday period.

As in the past, exterior decorative lighting of family housing is prohibited.

service, for example.

According to Joe Cloonan, city administrator for Ridgecrest, there is an offsite sewer charge of \$100 per unit, or \$60,000 in all, that must be paid prior to connecting homes in the Wherry housing area to the city's sewage system.

Other city requirements would vary, depending upon the type of housing development the purchaser has in mind.

Power Lines Underground Jim Eacret, customer service planner for the Southern California Edison Co., stated that the Edison Co. will require the developer to install underground electric power lines, just as it now does in all new housing areas of the City of Ridgecrest.

The reason for this, Eacret explained, is that Southern Cal-Edison doesn't have any ownership of the existing electric power lines and will not be able to use them in providing service to Desert Park in the future

Each of the firms or individuals which expressed an interest in bidding on the purchase of the 600 Wherry housing units received a letter from the Indian Wells Valley County Water District outlining the requirements, procedures and cost estimates for receiving water service.

Dave Hamilton, manager of the water district, noted that the estimated costs of (Continued on Page 4)



MICHELSON EXPERIMENT RE-ENACTED — For one segment of a British Broadcasting Corp. series entitled "Understanding Space and Time," Lt. Lee Dickson, of the Explosive Ordnance Disposal Detachment at NWC, appeared with Max Attar (who portrays Dr. Albert A. Michelson) during a re-creation of Dr. Michelson's speed of light measurement experiment that was carried out originally in 1926. The telescope shown in the photo above is one of the original items of equipment used by Dr. Michelson, and was borrowed from the Michelson Museum which was previously located here but is now at the U.S. Naval Academy in Annapolis. -Photo by PN2 Sam Thompson

# Help provided in shooting scenes for BBC film on Dr. Michelson's speed-of-light experiment

#### **By Harry Parode**

Even if they had been deliberately looking for "something out of the ordinary" for their Thanksgiving weekend, it's not very likely that Lt. Lee Dickson, of the NWC Explosive Ordnance Disposal Detachment, and the seven petty officers he had with him could have improved on their informal outing to Mt. Wilson.

From the time the group was briefed by the NWC Public Information people, it was clear that there would be more than one uncertainty about the assignment they all volunteered for. The assignment was to

seven "ratings" to re-create the kind of support another team of Navymen gave Dr. Albert A. Michelson back in 1926 when he undertook to prove that he could measure the speed of light with sufficient scientific accuracy to establish that physical value once and for all.

The whole venture started when Dr. Andrew Crilly, of the Open University of London and a producer of documentaries for the British Broadcasting Corporation (BBC), along with Ian Rosenbloom, a BBC producer assigned to direct the newest BBC series, "Understanding Space and Time," provide a team comprised of one officer and visited the Naval Weapons Center to talk



ACCURACY CRITICAL - During the making of the documentary film on Dr. Michelson's speed of light experiment at Mt. Wilson, one of the items used to help in measuring the exact distance between Mt. Wilson and Mt. San Antonio was photographed in this particular sequence as it was being held by ABHAN Dave Penrose. The cameraman is David Evans, while looking on at right is Liz Merchant, another member of the BBC film crew.

with Ted McAllister, who was just about to retire from Civil Service after a long and distinguished career as a member of the Technical Information Department.

McAllister had served as the central point of management at NWC for nearly 16 years in collecting, cataloging and directing the Michelson exhibit at China Lake, and had just completed the transfer of Michelson's memorabilia and artifacts to the new Michelson Museum located at the U.S. Naval Academy in Annapolis, Md.

### Navy's Assistance Requested

The upshot of their meeting with McAllister led Crilly and Rosenbloom to officially request the assistance of the Navy in the re-enactment of the Michelson light measuring experiment through the Office of the Assistant Secretary of Defense for Public Affairs and the Office of Information, Department of the Navy.

Following Navy Chief of Information approval to provide the requested assistance, Loretta King, the NWC Public Information Assistant, worked closely with the BBC crew to determine the numbers and kinds of props which would be required. At the same time, recognizing that the "shooting days" would interfere with the traditional Thanksgiving weekend and the viewing of numerous important football games, an invitation for volunteers was published in the NWC Plan of the Day.

The response, coordinated by AFCM J. W. Hendry, NWC Leading Chief, and FTCS D. C. Vander Houwen, Senior Enlisted Advisor for the Command, brought together AME1 Steve Bojoruos, ABH2 Ricky Jones, AB2 Dave Penrose, PN2 Sam Thompson, AM2 Bob Howell, A01 Steven Depauw, AE2 Ron Fleeger and Lt. Dickson.

Equipped with two Navy vans, assorted

Page Two

### **Promotional Opportunities**

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employmen 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 thi 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 096 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

Clerk-Typist, GS-322-3 / 4, PD No. 7732043, Code 3274 --Applications from status eligibles will be accepted. This position is located in the Solid Propulsion Branch. Propulsion Systems Division, Ordnance Systems Department. Incumbent types a variety of technical reports and correspondence, usually from handwritten draft, and insures that finished copy is correct in regards o spelling, punctuation, and grammar. Reviews and routes incoming correspondence, maintains supervisor's alendar, gathers background information, serves as branch receptionist, maintains branch files, and performs other miscellaneous clerical functions. Job Relevant Criteria: Ability to type with speed and accuracy, ability to deal tactfully but efficiently with all levels of NWC employees, knowledge of a variety of clerical / secretarial duties (Navy filing and correspondence procedures, travel orders, time cards, receptionist decorum, etc.).

File applications for the above with Mary Morrison Bldg. 34, Rm. 210, Ph. 2393. Supervisory Clerk (DMT) GS-316-5/ 6 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

Hanvey and Marine Corps Leaguers have been busy lining up donations of so much per mile for each mile of the trip that he covers. All money raised in this fashion also is earmarked for the Toys for Tots.

### Dec. 15 proclaimed Nat'l Day of Prayer by President Carter

National Day of Prayer will be observed by Presidential Proclamation on next Thursday, Dec. 15.

In issuing the proclamation, President Jimmy Carter noted that "throughout our nation's history, Americans of all faiths have turned to Divine Providence for the strength and wisdom to meet whatever challenges were put before them with honor and dignity.'

He asked for all to join him on National Day of Prayer "in asking God's help that we may see and understand our responsibilities and discharge them in a manner that befits a just and good people."

Setting aside a special prayer day was established by a joint resolution of Congress on April 17, 1952. That resolution asks the President to set aside a suitable day each year as a National Day of Prayer for the country. This special day can be any day of the year except Sunday. Until 1975, it was observed in October.

President Carter said it is fitting for Americans to set aside a day for prayer and meditation, a time "to ask the Almighty for This try for a place by Hanvey in the the vision to see our duty as individuals and Guinness Book of Records is being spon- as a nation, and for the courage to pursue it even at the cost of personal or collective

### Christmas cantata will be presented at Chapel

sacrifice."

A Christmas cantata presented each holiday season as a gift to the community by members of the Protestant congregation's choir at the All Faith Chapel has been scheduled on Sunday at the 10:15 a.m. worship service.

The all-musical will be directed by Mrs. Dovie Leonard, who will be leading the 45member choir in a presentation of "Love, Joy and Peace," a Christmas cantata by Tom Fettke.

The choir will be accompanied by Ray Blume, the chapel organist, and Mrs. Joan Fowler, pianist. Featured soloists will be John Strommen,

Robert B. Leonard and Mrs. Leonard, while the part of narrator will be handled by Floyd Castillo.

of the equipment and techniques; and maintains and submits records and reports. Job Relevant Criteria: Mus have extensive knowledge in use and operation o magnetic media and dictating and transcribing equip ment; must have thorough knowledge of NWC correspondence procedures, policies, and instructions. nust be able to communicate and deal effectively with al levels of NWC employees; must have ability to supervise Previous applicants need not reapply. File applications for the above with Tina Rockdale

Bldg. 34, Rm. 206, Ph. 2676. Electronics Engineer GS-855-11/ 12, PD No. 7733075E

Code 3342 - This position is located in Fuze Project Branch II, Development Division II, Fuze Department The incumbent is responsible for design and development of many phases of a major fuze system or fuze system feasibility study. Other duties include working with representatives of the government and private agencies in planning the steps to be taken in development of the fuze and associated test equipment, and formulating the target detecting device system requirements and correlating them with the requirements of other components of the missile. Job Relevant Criteria: Experience in the design development, testing, and / or analysis of target detection components or systems for guided missiles; knowledge of electronic circuit theory, electro-optical techniques, and general fuzing theory ; knowledge of electronic and optical laboratory equipment, experimental methods and techniques, and computer methods of data reduction and analysis. Ability to deal effectively with contractor personnel and sponsors. Ability to communicate well both orally and in writing.

Electronics Engineer GS-855-9/11/12, PD No. 7733076E, Code 3341 - This position is located in Fuze Project Branch I, Development Division II, Fuze Department. The incumbent is responsible for the detailed design and development of electronic components and circuits for an assigned target detection system; designs electronic equipment or test sets for use in testing components, assemblies or complete TDDs; devises procedures and tests for materials, components, electronic circuits or complete TDD's; and collects and correlates data from laboratory and field tests. Job Relevant Criteria: Experience in the design, develope testing and analysis of electronic components and circuits applicable to guided missiles; knowledge of electronic principles and theory, solid state devices including in tegrated circuits, microwave devices, electro-optical devices and electronic instrumentation. Ability to work well with others. Experience in designing and conductin tests of electronic circuits. Ability to communicate well both orally and in writing.

Mechanical Engineer, GS-830-9/11/12, PD No. 7633082E / 7733044E, Code 3351 - This position is located in the Product Engineering and Fleet Support Branch, Electromechanical Division, Fuze Department: Majo duties include the design and construction of specialized equipment used in testing or evaluation; studying safe arming device design proposals in order to evaluate their soundness; engaging in engineering liaison between NWC and contractors developing fuzes and safe arming devices, contractors manufacturing missiles being fuzed, and military and sponsoring agencies; and preparing test

(Continued on Page 7)

#### DIVINE SERVICES PROTESTANT

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CAL
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ter Restaurant.
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e" Discussion Groups
Youth Rallies

Contact Chaplain's Office for specifics. JEWISH SERVICES EAST WING-ALL FAITH CHAPEL Sabbath Services every Friday 1930 UNITARIANS CHAPEL ANNEX 95

Sunday Services—(Sept.-May) 1930



ALL HANDS CELEBRATE - Santa Claus (otherwise known as AD1 Sam Weaver) sells tickets for the All Hands Christmas Party on Dec. 17 to Cdr. Ray Schoonover (1.) and AGCS Jerry McMullen. This party for all NWC civilian employees, and active duty and retired military personnel will feature dinner, music for dancing by the Marine Corps Recruit Depot stage band, and additional entertainment." Door prizes will also be awarded. Tickets, including dinner, are priced at \$5 per person for NWC active duty military personnel, and \$7 per person for all civilians. Tickets may be purchased at the Weather Office in Hanger III, Military Personnel Office, the Chaplain's Office in Hanger II, and at the Community Center where the party will be held. -Photo by Ron Allen

**Country-western dance set to aid Toys for Tots drive** 

music and dance program that will highlight the Marine Corps League's annual Toys for Tots drive in this area.

Again this year, Joshua Hall, main exhibit building at the Desert Empire Fairgrounds in Ridgecrest, will be the setting for an evening of rousing entertainment that will take place on Sunday, from 7 to 11 o'clock.

Admission to this Toys for Tots benefit can be either by the contribution of a new, unwrapped toy or the donation of \$3 each for single persons or \$5 per couple.

Main Attraction

This year's country-western music program will feature Howdy Glen Morris, who was recently honored in Bakersfield as the top male vocalist for 1977 in the country and western music field, as the main attraction

Other vocalists who will be in the spotlight at the Toys for Tots benefit are Debbie Hawkins, who was singled out as the best female country and western singer in 1977 during an award show in Bakersfield; Shirley Moon and Doug Sherwood, from Bakersfield; the Half Brothers, who are currently appearing at the Hideaway in Ridgecrest; recording artists Sandy Jean and Terri Lee, and Tony Fox.

Also scheduled to be here for Sunday night's program is Buddy Mize, who is wellknown for his talent as a writer of country and western music. In addition, the program at Joshua Hall, which is being arranged by Bobby Adkins, will include music by Art Branch and his all girl band

A number of well-known entertainers from Bakersfield and by a musical group have been lined up for a country-western called "General Store," which is currently appearing at J.D.'s in Ridgecrest. **Drop-off Points for Toys** 

For those who cannot attend Sunday night's affair, but wish to lend their support to the Toys for Tots campaign, drop-off points for toys are located at the American Legion and VFW Halls in Ridgecrest, at the fire stations at China Lake and in Ridgecrest, at the Inyokern Market, and in Ridgecrest at Toy Junction, Hobo Joe's restaurant, K Mart and the Eagles Lodge. Donations also can be left at the Inyokern Market.

Dick Zinke, representing the Marine Corps League, will accept cash donations or checks made out payable to "Marine Corps League" from anyone who wishes to contribute money to the Toys for Tots drive. Zinke may be contacted by calling NWC ext. 2496 or his home phone, 375-4007.

The toys that are collected are destined for distribution to youngsters from needy families in Indian Wells Valley and the Rand District. Anyone knowing such a family may contact Zinke or Rose Varga, of We Care, whose phone is 446-3939. The information will be kept confidential.

**Tricycle Ride Attempted** 

Another aspect of the Toys for Tots drive began this morning at Scotty's Castle in Death Valley. Harold Hanvey, a 55-year-old self-employed carpenter from Ridgecrest, was scheduled to leave there at 6:30 a.m. headed for Stovepipe Wells (a distance of 45 miles) riding a child's tricycle.

sored by the Marine Corps League, and

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 Editor **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 week! with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Informatio published in the Rocketeer does not necessar reflect the official views of the Department of Defense. Information in The Rocketeer authorized for public release by the Office of the Commander, Code 003. Phones 3354,3355,2347



### December 9, 1977

ROCKETEER

# **Employee in the spotlight**

### Race for 1st place in Premier Bowling League tightens up

In a face-off between the Premier League's top two teams, the Elks drew to within a single game of the league-leading Fisher Plastering keglers by winning two out of three games from the league leaders in Monday night's action at Hall Memorial Lanes.

The Raytheon Sidewinders are in third place, just 3½ games behind Fisher Plastering, and the Saddleback Sales team is currently holding down fourth place.

The Pollock Construction team, which posted a 3-game sweep Monday night over Ace Realty, rolled the high team game (1,042) and also had the high team series (2,966).

Four Premier League bowlers, led by Kim Duckett's 645, topped the 600 series mark. In addition to Duckett, they were Vic Black (635), Jim Wright (610), and Chuck Albright (607).

Both Duckett and Albright put together triple 200 series scores. Duckett's 645 series included single game totals of 233, 207 and 215, while Albright had games of 201, 203 and 203.

In addition to Duckett, Premier League bowlers who had single game scores of more than 220 were: Chuck Rouland (236), Black (235 and 223), Jack Brown (233), Chuck Cutsinger (225), Max Thorson (224), and Jim Wright (223).

### **Over-Hill Track Club** slates 5-mi. course prediction run

The Over-the-Hill Track Club will sponsor a prediction run on Saturday, Dec. 17, at 10 a.m. at the fairgrounds. Signups for this five-mile event will begin at 9 a.m. with a \$1 entry fee being charged.

In a prediction run, contestants may choose times for any speed they wish to run; the winners are those who come closest to their predicted times (without the aid of a watch)

New joggers who can't run five continuous miles may select a slow time and walk part of the way, and anyone who can shuffle or stumble five miles along a flat course has an equal chance of winning. Medals will be awarded to those placing in the first 15 positions.

Additional information can be obtained by calling Scotty Broyles at 446-2941 or Norm Nieberlein at 375-8305.

### Youth soccer . . . (Continued from Page 6)

headed into the high right corner of the net. One of the Atoms' two goals was scored by Rich Moreno following a scramble for the

ball near the Cosmos' goal. The play The win was clinched for the Atoms on a bisquekits (ceramic without firing). loose on a solo run with the ball and then and FM antennas, lead-in wire, radio and B Halsey Ave., China Lake. booted it into the upper right corner of the Cosmos' net.

Despite losing the final game, the Cosmos fielded a well-balanced team that was sparked by Brian Lloyd, Mike Ackerman, Tom Rindt, Kjrsten Haaland, Richard Cruise and Bruce Evert.

### Burros cagers . . .

of 11.

(Continued from Page 6) enough shots to keep pace with the Drillers in the final two periods of play.

Kovar helped carry the Burros on offense with 6 points in the third quarter and a total of 11 for the game, and Jony Homer had an 8-point effort in the final quarter and a total

In comparison, leading scorers for the Blades, in addition to the 18 points tallied by Edwards, were Charlie Fisher with 15 and James Nutt with 11.

Yesterday, the Burroughs varsity basketball team traveled to San Luis Obispo to compete in a three-day, double elimination tournament that will continue today and tomorrow.

"I'm starting my fourth career," says Wesley R. Stewart, night operator at the A-6 and A-7 Simulation Facility, "thanks to the Upward Mobility Program, and I am really finding it challenging and enjoyable."

"But then," he adds, "I've enjoyed just about every job I've ever held.'

This covers quite an assortment in his case. For instance, Wes holds a degree of bachelor of science in mortuary science ("In Nebraska it's a four-year course"), which he earned while studying on the G.I. Bill after World War II service as a Navy corpsman with the 26th Marine Regiment at Saipan and Iwo Jima. After 51/2 years in the mortuary business in Nebraska, where his father also was a mortician, Wes suffered health problems and had to move to a better climate in California.

### **Tried Insurance Business**

In California, Wes entered the insurance business, while moonlighting in an assortment of other jobs ranging from carpet laying to working on a golf course. (The moonlighting on a totally different sort of job was something that he'd done regularly even before entering the Navy. At that time he worked for the Crown Paper Co. during the day and as a dancer for the Arthur Murray Dance Studios and for showman Earl Carrol at night.

From insurance, his interests led him into work as a purchasing agent for a heavy construction company in Bakersfield, and eventually to work as a purchasing agent at the Naval Weapons Center in 1972. "When the opportunity came along to get into computers through the Upward Mobility Program, I figured that this was a wide-

open field with more and more use of try it," he mused. Wes was born in Arnold, Neb., but lived

"Those were busy years," he says. "I went through four years of college in three while working in two jobs." (What he probably won't add is that with all that activity, he still was graduated cum laude.) Busy is also what his household is apt to

# **Happenings around NWC**

party for children of military personnel will headsets, and recording tape. be held tomorrow from 10 a.m. to noon at the Enlisted Club (The Shuttle).

Nearly 100 children age 10 and under will be entertained by a puppet show and various items offered for sale. clowns, and punch and cookies will be served

Santa Claus (also known as AT1 Sam Weaver) will climax the party by Fridays, and from 9 a.m. to 4 p.m. on distributing gifts to each child present.

Check Out Hobby Shop

Christmas shoppers are reminded of the assortment of items for sale in the Hobby Shop complex at Bldg. 52, which is located in the alley behind the old Station Restaurant.

For model enthusiasts there are planes, ships and rockets, and trains, as well as accessories for all of these miniature models. A line of slot car racers and accessories is also available.

Those interested in crafts can find leathercraft items, plaque kits, candle making kits, bottle cutters, decoupage, followed a bit of confusion after a drop ball. paint-by-number kits, and the new

-Photo by PH3 B. J. Beckman

TOURNAMENT WINNERS - Bob Huey (in center), the Special Services Division's new recreation director, presented trophies earlier this week to winners of the racketball tournament held last Friday, Saturday and Sunday at the NWC courts. From the total of 43 entrants, Verl Lillywhite (at left) emerged as champion of the advanced division for most experienced players, while Dwight Morgan (at right) topped the field in the novice division. Les Basemore, the intermediate division winner, was unable to be present for the photo.



computers as time went on, so I thought I'd

all over the state of Nebraska before graduating from high school in Alliance. A desire to see more of the country led him to California for a period of time before his enlistment in the service, but on being separated from the Navy he returned to his native state to attend college.

be for the holidays. He and his wife "Missy"

The annual NWC Dependents' Christmas TV tubes, audio cables and adapters, stereo

Best of all, hobby complex personnel also

can provide assistance to customers who are interested in learning how to use the

The Hobby Shop is open to both military and civilian personnel at NWC. Hours of operation are 2 to 9 p.m. Tuesdays through Saturdays.

New Year's Eve Party Set

Reservations are now being taken for a gala New Year's Eve Party at the Commission Officers' Mess.

The charge of \$12.50 per person includes a prime rib dinner served from 7 to 9 p.m., party favors and noisemakers, drinks throughout the evening, and dancing from 9 p.m. until 1 a.m. to the music of Ed Frezza and "The Four Coins."

Tickets may be purchased now at the COM office.

### AFGE To Meet Monday

The American Federation of Government Employees, Local 1781, will hold its regular bal tallied by Jochen Schadow, who broke Electronic materials carried include TV monthly meeting on Monday night at 7 at 65her that!") are parents or step-parents of Jolene, 33; Teri, 33; Jack, 31; Danny, 28; and Toni, 26. Add to that family seven lively grandchildren, and "Christmas really gets to be exciting and fun." Wes and Missy, who works in purchasing

("Her name is Jane but nobody ever calls

for the Supply Department at the Center, have built their home locally. He notes that she's really a long term resident of Kern County, moving to Bakersfield when she was two months old and living there all her life until they came to the Indian Wells Valley five years ago.

#### **Enjoys Bird Hunting**

With all his activities, Wes still finds time for a bit of 4-wheeling, and considers hunting, mostly bird hunting, as a hobby. In line with this, he's a member of the National Rifle Association, and spends time in reloading shells. While not a gun collector, he's especially proud of owning one of the original 85 Wingmaster 12-gauge shotguns ("with the wrong patent number on it, making it really a collector's item"). "I've just finished my 27th hunting season with it, and it's still just like new," he says.

"By the way," Wes adds, "until I came here I've always been known as 'Roger,' which is my middle name. Only when I had to fill out a lot of government paper-work, it seemed simpler to switch to 'Wes'."

Maybe there are really two people of the same name who have been functioning together all these years - that could explain how Wes has been able to squeeze all the things that he's done into one lifetime!

### Workshop on use slated tomorrow of solar energy

A solar energy workshop, first of a series of workshops and courses on the subject planned by Cerro Coso Community College, will be held tomorrow at the college lecture center starting at 8:30 a.m. Fee for the workshop is \$5 per person, payable at the time of registration which begins at 8 a.m.

The workshop will cover the use of solar energy for heating, cooling, and as a source of energy for domestic appliances. A tour of a home equipped with solar energy will be included.

Those wishing further information on the workshop should contact the college by calling 375-5001.

### Opportunities . . .

(Continued from Page 1)

programs for the evaluation of safety arming devices and electromechanical fuzes. Job Relevant Criteria: Experience in the design, documentation and qualification of Navy guided missile weapons systems; familiarity with modern production techniques, processes and materials; ability to deal effectively with Contractor personnel and sponsors; ability to communicate well both orally and in

Mechanical Engineer GS-830-9/11/12, PD No. 7733024E or Chemical Engineer, GS-893-9/11/12, PD No. 7250057-1E, Code 3353 - This position is located in the Exploratory Branch, Electromed Department, incumbent conducts basic and applied research in the areas of safety-arming devices and fuzes; performs exploratory studies directed toward improved techniques and principles for missile fuzes and fuze ex. plosive components, explosive trains, warheads and warhead initiation systems; develops tests and test procedures; designs test fixtures and equipment; provides technical advice and assistance to laboratory personnel during conduct of tests ; plans and administers the conduct of tests of warhead initiation systems under development monitors and witnesses explosive component tests to assure proper procedures are followed; and analyzes the test results and reports the results to program managers. Job Relevant Criteria: Knowledge of explosives, explosive components, and ordnance systems; knowledge of explosive safety and the manufacture of explosive com ponents; knowledge of the electrical characteristics and physical construction of explosive components. Familiarity with cost estimating, pricing, production processes and general operating procedures in industry. Ability to work well with others.

Laborer, WG-3502-3, JD No. 155-2N or Warehous WG-6907-4/5/6, JD No. 362N/33N/369N, Code 2591 (2 vacancies) - These positions are located in the Storage and Retail Issue Branch, Material Division, Supply Department. Incumbent performs a number of tasks in connection with the physical receipt, storage and issue of supplies; receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. Job Relevant Criteria: Ability to do warehouseman, work without more than normal supervision; work practices, including keeping things neat, clean and in order; knowledge of warehousing practices; ability to interpret instructions; dexterity and safety. Applications accepted from status eligibles.

File applications for the above with Ginger Hamaty Bidg. 34, Rm. 212, Ph. 2371.

### Page Six

ROCKETEER

### **Burros defeat East High Blades, lose to Bakersfield**

In their first two non-league contests of the 1977-78 basketball season, the Burroughs High School varsity cagers split a pair of games with their counterparts from East Bakersfield and Bakersfield High Schools.

Last Saturday night on their home court, the Burros overcame a 37-30 halftime deficit to defeat the East High Blades by a final tally of 68-53.

On Tuesday night, however, the Burros came out on the short end of a 67-54 final score in a game played at Bakersfield High School.

The visitors from East High broke fast from the starting gate in Saturday night's game here - getting off to a 8-0 lead which grew to 12-4 before the Burros could begin to get the range.

**High Point Honors Shared** 

Scott Smith accounted for half of the visitors' 24-point first quarter total, but cooled off after that and ended up with a total of 20 to tie for high point honors with Will Levy of Burroughs.

Using a different type of offense and a full court press on defense turned the game around for Coach Larry Bird's varsity cagers from Burros, who outscored East High by 18-9 and 20-7 in the third and fourth quarters of play, respectively.

In addition to putting more points on the score board, the BHS hoopsters also were able to out rebound East High 21-8 following the halftime intermission.

Six players had a part in the Burros' 18point scoring surge in the third quarter, and, in the final period, the BHS cagers not only scored well, but forced the Blades to make a number of costly turnovers while holding them to just 7 points.

### Other Leading Scorers

In addition to the 20 points by Levy, other leading scorers for Burroughs in the East High game were Terry McRoberts with 13 and Richie Drake, who tallied 10. In the set the pace for the Burros with 8 and 7, respectively.

Going against a much taller team which has had more playing experience so far this season, the Burros did a good job of keeping up with the Bakersfield High Drillers during the early going on Tuesday night and left the floor at halftime trailing, 28-25.

In the middle of the third period, however, the Burroughs High hoopsters began having difficulty coping with the Drillers' fast break offense, and from that point on until the final buzzer, the Bakersfield team went on to wrap up the game.

At the end of the third quarter, the Drillers led by a score of 51-39 and finished

### **Plans announced** for Santa's special golf tourney Dec. 17

Plans were and China Lake Men's Golf Club for holding a Santa's special golf tournament on Saturday, Dec. 17, at the Center golf course.

This will be an 18-hole event played at full handicap. Entrants will be placed in various flights based on the following handicaps: 8 and under, 9 through 11, 12 through 16, 17 through 21 and 22 and over.

Golfers interested in competing in this event are asked to sign up at the golf course clubhouse no later than next Wednesday Dec. 14. There is a \$4 entry fee, and prizes will be a canned ham for one out of approximately every four entrants.

At the same time and place, a similar golf tournament will be held for junior golfers (anyone 18 years of age or under who is still attending school). Those wishing to vie in this event must have an established handicap or have played enough rounds at the local course for the tournament handicap chairman to assign them a handicap.

The entry fee for junior golfers is \$2 and (like their elders) they will be competing for prizes of a canned ham for one out of every four contestants. The same entry deadline of next Dec. 14 also applies in the case of junior golfers.

the game on top by a final tally of 67-54. Richard Edwards of Bakersfield, the on a good percentage of their shots (21 out of game's high point man with 18, tallied 10 45), the Burros weren't able to get off points for the Drillers in the third quarter.

On the other hand, even though they had hit (Continued on Page 7)



nabbed first place in the Admiral's Cup water polo competition by defeating teams from NWC North and NWC South in games played last week at the Center's indoor pool. Morrow was the high point man in the Vampires' 22-9 victory over NWC South, and topnotch assistance was provided by Dave Parks, John Leslie and Mark Leeman, on both offense and defense, as well as by Kevin Mason, the VX-5 goalie. As this photo was taken, Alvin Sherrodd of the NWC South team, was trying to control the ball while being closely guarded by Morrow. Other players visible are Mike Barnett (center, background) of NWC South, who is flanked by Leslie (at left) and Parks, both of VX-5. In their game against NWC North (airfield), the Vampires clobbered their opponents 25-5. VX-5's win in water polo increased the total number of points accumulated in Admiral's Cup competition to 19 for the Vampires, who also won the flag football title and have a firm grasp on first place in the Admiral's Cup standings. -Photo by Ron Allen

### Final games of season played rebound department, Jay Kovar and Levy by Youth Center soccer teams

Final games of Youth Center Soccer League's 1977 season were played last Saturday at Davidove Field, China Lake. In competition that had to be postponed from its regularly-scheduled date of Nov. 19

due to high winds, the Spirits shut out the Apollos, 3-0, to win the Pacific Division title (for youngsters in grades two through four).

The Atoms, champions of the American Division (for players in the fifth and sixth grades), finished the season with a 2-0 victory over the Cosmos.

One other Pacific Division game was played last Saturday during which the Comets edged the Cobras. 1-0.

The Spirits, who had already clinched the Pacific Division title, posted their sixth win as they knocked off the Apollos, 3-0 in the season finale. The goal scoring was evenly divided between Joe Dalton, Dan Webster and John Andrews. The latter tallied on a

penalty kick.

A good game also was turned in for the Spirits by Chris Turner, even though he didn't make it into the scoring column.

The Apollos, who had started off with three early-season wins, ended up in third place in the Pacific Division - two games behind the Comets.

In their 1-0 victory over the Cobras, the Comets' single goal was tallied by Leslie Haves. Stellar goal keeping by Danny Grattan

played a part in the Atoms 2-0 defeat of the Cosmos in the final American Division contest of the season.

Grattan prevented one goal by diving to his right in time to deflect the ball away from the net, where it was cleared by fullbacks Seamus Freyne and Tim Towson. In another clutch situation, Grattan leaped up and grabbed the ball as it was





SOCCER TEAM DEFEATS EDWARDS - The China Lake Soccer Club's adult team broke a 1-1 tie in the second half to post a 3-1 win over the visitors from Edwards Air Force Base last Saturday. As this photo was snapped, Klaus Schadow (in striped shirt) jumped up and used his head in an attempt to control the ball, while being closely guarded by Steve Heyboer (No. 14) of the Edwards team, Coming up at left is Dave Bates, fullback for the China Lake Soccer Club. Schadow tallied two of his team's three goals in this game. -Photo by Ron Allen



# of NWC Intramural basketball tilts

Three hotly- contested games in Division A highlighted last week's action in the NWC Intramural Basketball League.

Loewen's short-circuited the Desert Motors quintet, 58-51, to retain the Division A lead, while the second place Devils Guns cagers edged the F.A.C. team from Trona, 48-46

In the only other Division A contest of the week, F.A.C. outscored the Clansmen, 57-53. In Division B competition, the Foremost

Boys clobbered the Speedway team, 76-46, to remain undefeated in this division: the Shorthorns slipped past the Speedway squad, 43-40, and the Bebops defeated the Worms, 44-34.

Team W, which is in a tie with the Renegades for the Division C lead, also remained unbeaten with a 44-38 win over the Jokers. In other Division C games played last week, the Medicine Men knocked off the Lobos, 49-44, and the Gasbags dropped Team "X," 45-34.

College Game Slated

In another non-conference game in preparation for their Desert Athletic Conference opener on Jan. 7 against Mira Costa College, the Cerro Coso College Covotes will host the March Air Force Base basketball team from Riverside tomorrow night at the Center gym.

Tip-off time for the college game is 7 p.m. Individual game tickets, priced at \$1.25 for the general public and 75 cents for students, will be on sale at the gymnasium box office an hour prior to game time. They also can be purchased at the college business office. Because of the basketball game, use of

the Center gym facilities tomorrow night will be reserved for Cerro Coso Community College

#### **Tennis Classes Planned**

Another series of tennis classes, taught by Fred Hagist, will get under way on Tuesday, Jan. 10, at the Center tennis courts for beginners and intermediate players.

There is a registration fee of \$14 for six weeks of classes that will be held on Tuesdays and Thursdays from 10 to 11 a.m. For those who can't attend the morning sessions, an evening class also will be conducted on Tuesdays and Thursdays from 5 to 6 o'clock.

### China Lakers win soccer match, 3-1, over Edwards team

In another match between the rival soccer teams from China Lake and Edwards Air Force Base, the China Lakers outscored the visitors from Edwards, 3-1, last Saturday afternoon at Davidove field.

The China Lake Soccer Club's adult team, which had been victorious in four of five previous matches with the Edwards AFB team, got off to a 1-0 lead on a goal tallied by Tim Howlett.

Taking advantage of a ricochet, the visitors tied the score at 1-1 early in the second half, but Klaus Schadow's play made the final difference in the outcome of the game as he booted in one goal from a very sharp angle to the left after a corner kick.

The game's final goal by Schadow was a 15 yarder that was scored from directly in front of the net.

keeping.

bers."

sightseeing.

December 9, 1977

ROCKETEER

Page Three

# **AK2 Michael Wendt singled out for** recognition as VX-5 Sailor of Month

Aviation Storekeeper 2nd class Michael A. Wendt has been selected as the Air Test and Evaluation Squadron Five Sailor of the Month for November.

AK2 Wendt performs material control functions for the squadron, which involves such tasks as arranging for payment for fuel usage and other financial record

Capt. L. E. Giuliani, Commanding Officer of VX-5, notes in a letter of commendation to AK2 Wendt that "your meticulous attention to detail and vigorous pursuit of satisfying the NORS requirements have greatly enhanced aircraft availability."

The letter continues "through outstanding leadership and exceptional tact you have promoted a harmonious and cooperative atmosphere both within the Material Office and in relations with all squadron mem-

AK2 Wendt has been stationed at the Naval Weapons Center for nearly a year, transferring here from Keflavik, Iceland. He is a veteran of more than 5 years of Naval service; during this time he has been



involved in many differing facets of supply work. He feels that this diversification of supply experience has been a definite asset (Continued on Page 5)



DOCUMENTARY FILM TEAM — One officer and seven petty officers from the Naval Weapons Center who spent a part of the Thanksgiving holiday weekend at Mt. Wilson taking part in the filming of BBC documentary film about Dr. Albert Michelson, a U.S. Naval Academy graduate who was the first American scientist to be awarded the Nobel Prize in physics, are shown above with the film crew. They are (kneeling, I.-r.) ABHAN Dave Penrose, ABH2 Rick Jones, Liz Merchant, (of BBC), AMS2 Robert Howell and AE2 Ron Fleeger. Standing are (from left) lan Rosenbloom (the BBC producer), Mrs. Max Attar, A01 Steven Depauw, PN2 Sam Thompson, Max Attar (the actor who portrayed Dr. Michelson), Lt. Lee Dickson, and David Evans, the BBC cameraman

Beason's Greetings \* \* From The Commander

As we enter the 1977 Holiday Season, I would like to wish all Naval Weapons Center personnel and their families a wonderful Christmas and a truly rewarding New Year. The special efforts of many to have their families together over the holidays and the great spiritual meaning of this season always make Christmastime the nicest part of the year.

To me, the most sincere greetings for this season are those exchanged in person, but that is not possible in every case. Therefore, I am taking this means to extend to each and every family and friend of the Naval Weapons Center-my warmest wishes for a most enjoyable and safe holiday.

Each year at this time, we are frequently reminded of the hope of mankind: Peace on Earth and Good Will toward Men. Like virtually all worthwhile goals, we must work to achieve Peace. Admiral James L. Holloway III, U.S.N., Chief of Naval Operations, in his annual Christmas message has touched on the essence of this commitment when he expressed his appreciation for the efforts of all members of the Navy family in the interests of Peace, and I would like to share that message with VOU

### CHIEF OF NAVAL OPERATIONS CHRISTMAS 1977

Wherever this holiday season may find you, I offer the sincere wish that it is a time of happiness for every Navy man and woman and for your families

The steadfast devotion to duty of our Navy people through the past year has been an important factor in enabling our nation to celebrate another peaceful holiday. Our peace is fragile and will, survive only as long as we are willing to make the sacrifices necessary to sustain it. During 1977 you have demonstrated again your commitment to preserving the peace.

To those of you sharing this joyful time with your families, I wish a most happy and safe holiday. To those required by duty to be separated from loved ones at this season, I wish you a joyous reunion with them soon.

A Merry Christmas and a happy and prosperous New Year to you all.

& L Holloway J. L. Holloway III Admiral, U.S. Navy Have a wonderfor holiday. You deservent! W.L. Harris

# Aid provided in filming re-enactment of Michelson experiment . . .

(Continued from Page 1)

gear and equipment (including a very old transit that was borrowed from Howard Derrickson, a civil engineering technician in the Engineering Division of the NWC Public Works Department), and outfitted in uniforms slightly modified to look 1926ish, the team arrived at Clearwater Creek Ranger Station, 14 mi. north of Mt. Wilson at 8 a.m. on Nov. 25.

From the outset, the trip obviously was going to be a success for the weather that day was so crisp and clear that, from the crest, the party could clearly see three of the Channel Islands. As it turned out, however, there would be little time for

#### Surveying Work Undertaken

Starting with the re-creation of Michelson's surveying effort to establish the baseline for measuring the distance between Mt. Wilson and Mt. San Antonio, 22 miles to the east, the Navy team set up the transits, marked out surveyor points and then did it all over again for the closeups, Thompson, a Navy personnelman by trade. immediately became "the man" in the setting up of the transits, since he was the only one present who had extensive experience as a surveyor.

PN2 Thompson, like all the Navy team,

steel posts marking certain sites on the mountain), constructing the lean-to that sheltered Dr. Michelson and his measuring equipment, authentically re-creating the survey work, and just about anything required by Rosenbloom and his BBC associates.

#### Expertise Developed

PN2 Thompson became so good at his work that before the first day was out, he had set a transit on the exact marks still present on a benchmark at Mt. Wilson where Dr. Michelson's transit had been placed and when Thompson cranked in the correct bearing, there was Mt. San Antonio precisely marked by the crosshairs.

While Thompson and several of the team were working on the measurement part of the experiment, Lt. Dickson and the remaining team members demonstrated their collective skills by literally lashing together the framework and canvas covering for the lean-to, bracing it for any winds, and then furnishing it with a small camp chair and an authentic-appearing table to hold Dr. Michelson's mirrors and measuring equipment.

Attention to detail and a penchant for authenticity were obvious to all the Navy team from the outset. During the filming of soon found himself doing many of the same Dr. Michelson's baseline surveying work on sort of things that Dr. Michelson had his Friday, Nov. 25, four antique cars, in-Navy crew doing back in '26. This included cluding a 1924 Model T Ford, made the Michelson experiment is "beautiful." moving boulders, hiding evidence of man's climb from Pasadena to the filming site in The BBC series, which will be shown in 16

Michelson doing his work 51 years ago. Rosenbloom, not only a skillful director and planner, but also an extremely accomplished "beg-or-borrow" man, had visited Annapolis just prior to the filming and had in his possession Dr. Michelson's eight-sided mirror, several other mirrors. his transit, and a small water-color scene of the Mt. Wilson site painted by Dr. Michelson while he was camped at the observatory for local viewing. back in 1926.

David Evans, the BBC cameraman, filmed the Michelson watercolor for use in the documentary just as the sun was setting late Friday afternoon and once again, the Navy team was responsible for arranging the setup to take advantage of the fading sunlight

Dr. Michelson was portrayed by Max Attar, who looked the part throughout. He wore a seersucker suit, floppy Panama-type hat, and carried a replica of Dr. Michelson's worn leather briefcase.

### Work Completed on Schedule

The volunteers completed the work on schedule, despite some unexpected winds on Nov. 26, and can now look back on two strenuous 13-hr. workdays. From accounts received from Rosenbloom, the Navy men were totally successful in their mission. The film has already been sent to England for processing and Rosenbloom contacted NWC to say that the footage obtained of the

more recent presence on the mountain (by order to provide the kind of backdrop that half-hour segments, will take the viewer standing in front of some 3 ft. high yellow was shown in pictures taken of Dr. from the times of ancient Greece, when

early scientists wondered about "time and space," through the times of Galileo and Dr. Albert Einstein and Dr. Michelson to modern times and the trips of the Voyager satellite to distant planets.

The series will be aired over public television starting in January 1979, but BBC officials have indicated that they will be sure to send the Michelson seg

#### **Help Greatly Appreciated**

Rosenbloom has also indicated that the re-enactment of Michelson's speed of light measurement would not have been possible had it not been for the support of the Navy Department and the "fantastic" skills and enthusiasm of the new breed of "China Lake Players" (Lt. Dickson and the seven Navy petty officers from NWC who were involved in this effort).

In addition, Rosenbloom specially noted the tremendous job done by Mrs. Loretta King, of the NWC Office of Information, in working out all of the support requirements.

The only item the Navy team could not supply, Rosenbloom managed to borrow from the astronomers working at the 100-in. Mt. Wilson telescope. That was an air compressor to drive the eight-sided mirror at 500 revolutions per sec.

But again, it was the Navy crew that got the bulky compressor from the observatory to the filming location, set up the hundred or so feet of power cable so that it would not show in the scene, and saw to it that the "experiment" went off just as Dr. Michelson would have liked it to.

### Page Four



### **Summer Employment Exam** information announced by CSC

The Civil Service Commission has ply adopted a new method for filling summer jobs from among those who take the annual Summer Employment Examination.

Because of this, all applicants for summer jobs at the Naval Weapons Center should file for the written test under Group 1 in the Summer Announcement, and may do so during the period from Jan. 4 through 27,

Those interested in summer employment may file with the CSC office having jurisdiction over the geographic location where they wish to take the written test, which will be administered during the month of February. The application forms will be available in January.

Applicants for clerk-typist and clerksteno positions will be required to submit proof of proficiency, unless they were employed in similar positions last summer by the Federal government, in which case proof of proficiency is not required.

After taking the examination, summer employment applicants may apply directly to Federal agencies between March 15 and May 1, 1978. Any applications that are postmarked after May 1, 1978, may not be accepted.

There is no restriction on the number of agencies to which an applicant for a summer job may apply, but in each case the applicants should submit the following items with each agency to which they ap-

### Wherry housing . . .

### Continued from Page 1)

\$571,000 for water service which was provided to all prospective bidders was not a firm figure, but instead is only an approximation which will require much more analysis.

The successful bidder, Hamilton continued, will be required to submit a plan to the water district's board of directors and it will be analyzed by the district's engineering staff to determine if it is consistent with the water district's own general

In addition, there will be the cost of purchasing and installing separate meters for electricity, water and natural gas, as well as the expense involved for connecting an individual sewer line to each half of a duplex unit.

No word is available at this time on the matter of when the 34 families still living in the Desert Park area may be notified that they'll have to move.

In this area, children may obtain im-Department clinics.

either the immunizations or the clinics may contact the Kern County Health Department office in Ridgecrest by calling 375-1306.

### to file claims for **CHAMPUS** care in '76

Dec. 31, 1977, is the deadline for submitting 1976 claims under the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS). Any claim for care received between Jan. 1, 1976, and Dec. 31, 1976, that is not submitted

claim that has not been submitted should get it in the mail as soon as possible. Also, if a civilian provider of medical care agreed to submit a 1976 claim directly to CHAM-PUS and has not done so, the beneficiary should remind the provider about the deadline.

claim is the last day of the calendar year following the calendar year in which a service or supply was provided.

1. A photocopy of their notice of results from the 1978 summer employment written

2. A completed copy of the application form especially designed for Federal summer employment consideration. (This form, together with instructions on its use, will be sent to applicants at the time they are scheduled for the written test.)

3. Proof of 10-point veteran preference (SF-15 and appropriate documentation). when applicable

The rating made by applicants on the written test and the rating to which veteran preference points have been added will be used to rank qualified candidates on an agency list of eligibles.

### **Immunization clinic** scheduled Monday at Kern County Bldg.

One of the best Christmas presents that parents can give their children is to be sure that they are immunized against the common childhood diseases, according to Dr. Leon M. Hebertson, Kern County Health Officer. A free immunization clinic for children from 2 months through 17 years of age will be held in the old county building at 230 W. Ridgecrest Blvd. on Monday starting at 9 a.m.

The clinic is open to the public and no appointments are necessary, but parents or legal guardians must accompany the children to sign consent slips.

children will be protected against measles and other contagious diseases as a result of two laws passed last year by the California State Legislature.

personal beliefs of the parents. The schools

SB-967 will provide state compensation for medical expenses to families of children suffering unavoidable severe adverse reactions from state-mandated immunizations. It will also exempt from liability all medical personnel from any severe reaction or injury problem resulting from administering a state-mandated vaccine, except when there is willful misconduct or gross negligence.

munizations either from their family physician or from the Kern County Health

The deadline for submitting a CHAMPUS

Increasing numbers of the state's

SB-942 requires that children must be immunized against diphtheria, pertussis, and tetanus (DPT); measles, and polio before they can enter any public or private schools unless the child is exempt due to have legal authority to exclude students who fail to comply with immunization requirements.

Those seeking more information about

# Dec. 31 is deadline

by the deadline cannot be paid.

A CHAMPUS beneficiary with a 1976



Kinley, NWC Vice Commander, and Dr. G. W. Leonard, head of the Engineering Department, examine samples of solder printed wiring boards which represent the work of students who have just completed a new course in High Yield / High Production Soldering offered at NWC. Seated is J. W. Brittain, an employee in the Engineering Department's Soldering Technology Branch, who was among the first 11 students to take this course. -Photo by Ron Allen

### 1st class in High Yield/High **Production Soldering conducted**

The first class of 11 students who have been enrolled in what is a new approach to High Yield/High Production Soldering training recently completed 80 hours of instruction aimed at optimizing production efficiency of manufactured electronic hardware.

The goals of this specialized instruction were accomplished through lectures and "hands on" experience in both manual and machine soldering.

The class, which was designed and directed by Jim Raby, head of the Soldering Technology Branch in the Engineering Department's Product Assurance Division, was held in the Naval Weapons Center's Soldering Technology Lab.

#### **Experts Called On**

Raby, who was the lead instructor, called upon experts in the wide variety of subject matter that was covered to answer specific questions and serve as lecturers.

The two-week training program included theory and practice in such areas as solderability and solderability testing, printed circuit boards, fluxes and cleanliness, component preparation, soldering irons and heat transfer, hand soldering and automatic soldering, inspection, and soldering specifications.

Students soldered by hand and operated the flow solder machine to solder printed wiring boards. They then cleaned these boards (using a production solvent system) and tested for cleanliness using automated test equipment.

#### **A Significant Step**

The subject matter and format of this High Yield/High Production Soldering Course is considered a significant step in the beginning of a standardized training program offered by the Soldering Technology Branch (Code 3681) to both government and industry.

Because of the wide variety of organizations participating, it also will double as a soldering technology information exchange program.

Headquarters of the Naval Material Command recognizes NWC's Soldering Technology Branch as a center of Navy expertise in the field of soldering technology. In view of this, it is anticipated that the soldering technology program will

have a significant impact on increasing the quality and reliability of electronic hardware produced for the Fleet.

Three NWC employees attended this first class in High Yield/High Production Soldering. They are L. N. Kartchner, from the Fuze Department's Development Division I; L. T. Finney, from the Engineering Department's Quality Assurance Branch, and J. W. Brittain, who is in the Soldering Technology Branch of Code 36. Others were:

J. D. Thomas, from Systems Consultants, Inc., in Ridgecrest; E. B. Van Noy, from General Dynamics in Pomona, Calif.; Robert Waters, from the Certified Soldering

Co. in Neosho, Mo.; S. J. DePaola, from the Raytheon Co. in Portsmouth, R. I.; and the following Defense Contracts Administration Service representatives - R. W. Taylor, from Orlando, Fla.; W. Q. Cox, from Ocala, Fla.; Sam Pasquariello, from Lowell, Mass., and Herbert Walker, from Dayton,

### **BOOST** program application date extended to Jan. 6

Navy enlisted men and women who want to compete for appointment to the Naval Academy or for selection for a NROTC scholarship have until Jan. 6 to apply for the Broadened Opportunity for Officer Selection and Training Program (BOOST). Selected applicants will be ordered to

BOOST School in San Diego for classes which start about March 1, 1978.

To be eligible for BOOST, high school transcripts are required and Scholastic Aptitude Test (SAT) or American College Test (ACT) scores should be submitted when available. Requirements for entry into the program are outlined in the Bureau of Personnel Manual No. 1020360 and BuPers Note 1500 of July 12, 1977. Because the age and physical requirements vary between the Naval Academy and the NROTC program, it is important to check BOOST program directives carefully.

Details and application assistance can be obtained from career counselors or the Educational Services Office.



Assistant Public Works Officer, congratulates Fred Anderson, an employee in the Mechanical / Structural Branch in the Maintenance-Utilities Division of the Public Works Department, on receiving a \$565 award for a Beneficial Suggestion. Anderson designed a tool for turning generator rings that can also be used for other kinds of turning. Use of this tool will result in reduced man-hours required for the turning operation; estimated saving to the government for the first year is \$10,535. -Photo by Ron Allen December 9, 1977

### ROCKETEER

**Page Five** 



COMMENDATION NOTED - Rear Admiral William L. Harris, NWC Commander, presents a letter of commendation and his congratulations to Mess Management Specialist 1st Class Bruton A. Dean for his work on behalf of the NWC "Sidewinder" Drill Team and Color Guard. The letter of commendation stated in part that "under your skillful and dedicated leadership, the drill team and color guard have become a truly professional unit reflecting great credit upon the Navy and the Naval Weapons Center." MM1 Dean is being transferred to the USS Cook.

### 8th annual children's Christmas parade will take place tomorrow in Ridgecrest

"The Spirit of Christmas" is the theme for Warner St. The parade will proceed east on the eighth annual children's Christmas parade scheduled for 1 p.m. tomorrow in Ridgecrest.

Entries will be judged prior to the parade at the starting point of the procession, which is the intersection of Drummond Dr. and N.

### Sailor of Month . . .

(Continued from Page 3)

in his current work at VX-5.

Born in Burbank, Calif., AK2 Wendt considers Newbury Park, Calif., as his home town since that is where he grew up and graduated from Newbury Park High School. He joined the Navy directly from school in order to get a broader view of the world and its people, although he does not plan on a Navy career.

AK2 Wendt's hobbies included differing kinds of art work, mainly painting and sketching. He plans to take college classes following his separation from the service. He and his wife Stephanie expect their first child in January.

For his selection as Sailor of the Month, AK2 Wendt will receive a 96-hour liberty pass and a free dinner for two at The Shuttle

Drummond Dr. to China Lake Blvd., south on China Lake to Ridgecrest Blvd., then west on Ridgecrest Blvd. to Ridgecrest Park, where the awards for best entries will be presented at 4 p.m.

Entries range from floats constructed by local groups to individual displays. Marching units include a 30-person Color Guard sponsored by the Ridgecrest Recreation Department and the Naval Weapons Center's Sea Cadet marching unit and color guard. Both the Murray School band and the James Monroe School band will also take part in the parade.

Chi Lambda Chi sorority members, dressed as clowns, will distribute gifts to children along the parade route.

Dr. Larry Stevens and Dr. Jim Hemry will be the parade announcers, and the founder of the children's parade, Wardna Abernathy, will present the awards for entries most closely related to the parade

### **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 Lawrence Block-Burglars Can't Be Choosers

Terry Brooks - The Sword of Shannara Elizabeth Cullinan-Yellow Roses Clifford D. Simak - A Heritage of Stars

Paul Theroux-The Consul's File NON-FICTION

Andrew J. DuBrin-Managerial Deviance: How To Deal With Problem People in Key Jobs

Martin A. Larson-The Story of Christian Origins

Dan Rather-The Camera Never Blinks Adventures of a TV Journalist

Ivan Van Sertima-They Came Before Columbus: The African Presence in Ancient America

Daniel Yergin-Shattered Peace: The Origins of the Cold War and the National Security State.

### Next ROCKETEER will be final issue in '77

#### The ROCKETEER issue next Friday, Dec. 16, will be the final publication of the year. The Center newspaper will resume publication in 1978 with the issue dated Jan. 6.

In view of this, all clubs, organizations and other groups that would like to publicize special holiday activities are reminded to submit such information to The ROCKETEER office no later than Tuesday, Dec. 13.



LONG SERVICE - Both Jack H. Kirkpatrick (at left) and Victor D. Bizon were congratulated by Aircraft Department Head Capt. S. I. Stocking on completing 35 years of Federal service each. Kirkpatrick is a model maker in the Targets Instrumentation and Evaluation Branch of the Code 61, while Bizon is an electronics technician in the Instrumentation Evaluation Branch of the same department.

# Speakers at traffic safety program provide good advice for holiday season, or any other time of year

A well-rounded program covering good and the increased hazards of driving during the holiday season when there is apt to be an increased number of motorists on the road who have had a few drinks under their belt before they got behind the wheel of their car, was presented Monday at the Center theater.

For those who couldn't make the 8 a.m. presentation, NWC's annual holiday season traffic safety program was repeated at 2 p.m. The participants, who were introduced by Harry Parode, Public Information Officer in the morning, and by Capt. Frederic H. M. Kinley, NWC Vice Commander, in the afternoon, were:

Sgt. Bob White, of the China Lake Police Division; Cdr. M. J. Cowell, NWC's staff judge advocate, who conducts the Center's Traffic Court; Sgt. Mike Dunlap, of the California Highway Patrol; Charles Porter, judge of the East Kern Municipal Court; and Lynn Lacey and Ken Burton, two members of the Committee on Responsible Drinking.

The audience was prepared for the varying bits of information provided by the speakers by the showing of a film entitled "Knowing How to Drive Is Not Enough." The message hammered home by the movie develop the habit of continually adjusting their vehicle speed, and the distance between their car and the one they are following, depending upon driving con-

### Watch Out for Others

ditions

Drivers also were cautioned to be alert and anticipate possible mistakes by others. Know what evasive action to take when necessary, and drive within the limitations of the car you are operating were other lessons emphasized in the film.

The audience at the holiday season traffic safety program also heard a tape recording of the comments from an anonymous Center employee who outlined the problems which he faced as the result of committing a second "driving while under the influence (DWI)" offense on the Center.

The "live" portion of the program began with a skit by Lacey and Burton which permitting a friend who has too much to drink at a party to drive himself home when it is unsafe for him to do so. Suggestions ranged from calling a taxi or the host offering to drive the inebriated party-goer home, to offering him a place to stay right there that night.

Sgt. White of the China Lake Police driving practices at any time of the year, Division passed along information about what officers who are on the lookout for possible drunk drivers watch for in the way a person is handling his car, as well as on the administering of a sobriety test in the field

> The purpose of such a test, it was emphasized, is to see how an individual performs it, not whether or not he is able to get through it.

Sometimes when an officer who has stopped a motorist on suspicion of driving under the influence of alcohol (or some other substance) begins to administer the field sobriety test, the person undergoing the test (realizing he can't pass it) will request that the officer transport him home. This is something the officer cannot do, however, Sgt. White stated, but instead must advise the motorist that he or she is under arrest.

#### Arrest Procedure

Such individuals are than searched, handcuffed, transported to the police station and kept for a minimum of 5 hours in a holding room before being released to await whatever legal action will follow the arrest

"We don't like to arrest anyone," Sgt. White state, "but if there was a man firing a was one in which viewers were urged to gun down your street you'd want it stopped, and driving while under the influence is a no less serious a matter."

The CHP, Sgt. Dunlap stated, began its stepped up enforcement program over the long Thanksgiving weekend and will continue its efforts to make the highways safer for all drivers right on through the New Year's holiday.

In most highway accidents there are at least two vehicles involved-the driver who is at fault and the innocent victim-and most often it is the latter who is the most seriously injured or killed when the mishap is caused by a drunk driver, Sgt. Dunlap noted

#### **Common Symptoms**

Common symptoms displayed by drunk drivers, the CHP officer stated, are failure to dim high beam lights and passing other cars when it's unsafe to do so. In the latter instance, "don't insist on your side of the covered the options that are preferable to road, but if you have to do so, turn out onto the desert in order to avoid a head-on collision that could kill you," Sgt. Dunlap advised.

Cdr. Cowell was brief and to the point as he explained that the NWC Commander has the right to give and take away the driving privileges of those wishing to operate motor

vehicles on the Center.

Also, he pointed out, there is no discretion permitted in meting out a 1 year revocation of driving privileges for "driving under the influence" on the Center as well as complying with an OPNAV Instruction that requires placing such motorists on probation for a second year.

"I hope we don't see you (in traffic court). Merry Christmas," Cdr. Cowell concluded. Legal Matters Discussed

Judge Porter centered his remarks around what happens in court in cases involving persons arrested on a DWI charge, and also advised his listeners that higher courts have ruled that a person held for 5 hours after such an arrest is not being deprived of his rights to bail. In fact, he noted, an arresting agency could be held at fault for early release of a drunk driver who gets back into his car and then causes an

The law, Judge Porter continued, sets the limits which determine whether or not an individual is under the influence of alcohol. When a person's blood-alcohol level is one tenth of one per cent (0.10 percent) or higher, he or she is presumed to be "under the influence."

accident resulting in injury to others.

He then went on to outline the various penalties that are imposed for first offenders, and how these penalties escalate in the event of a second such offense within a five year period. Judge Porter also told about the pilot program that is being conducted locally to help those who have a record of multiple drunk driving arrests.