

Violinist Eugene Sarbu now slated to perform Feb. 1 at Center theater

The concert date has been changed for the next program to be presented by the Indian Wells Valley Concert Association, Carl Helmick, association president, reported this week.

Violinist Eugene Sarbu, originally scheduled to play here on Thursday, Jan. 25, will now be performing one week later on Thursday, Feb. 1. The performance will begin at 7:30 p.m. in the Center theater.

The change in date was the result of Sarbu winning first prize in the 1978 Paganini International Violin Competition in Genoa, Italy. One of the honors conferred on him was a request to perform a series of concerts in Italy extending through the last week of January. Hence, his China Lake performance date was postponed a week.

Helmick added that the Paganini Competition was the second major violin competition won by Sarbu since he was booked for the local concert series. Sarbu

Cerro Coso College student counseling program underway

Enrollment counseling for students planning to attend Cerro Coso Community College during the spring semester is now underway and will continue through Wednesday, Jan. 24, in the College Counseling Center.

Students may make appointments for counseling on weekdays, through Jan. 17, by calling 375-5001, ext. 34. Counseling will be scheduled each day from noon to 6 p.m.

Walk-in counseling service will be available on Jan. 18, 19, 22, 23, and 24 from noon to 6 p.m. No appointment is necessary for counseling during this period.

Registration for spring semester classes, which will begin on Jan. 29, will be held Jan. 19, 22, 23, and 24 from 3 to 6 p.m.

MOVIES

Regular starting time—7:30 p.m.

FRIDAY JANUARY 12

"STINGRAY"
Starring
Christopher Mitchum and Sherry Jackson
(106 min., rated PG)

SATURDAY JANUARY 13

1:30 Matinee - Regular Adm.
"AN ENEMY OF THE PEOPLE"
Starring
Steve McQueen and Charles Durning
(107 min., rated G)
7:30 P.M.
"F.I.S.T."
Starring
Sylvester Stallone and Rod Steiger
(131 min., rated PG)

MONDAY JANUARY 15

"F.I.S.T."
Starring
Sylvester Stallone and Rod Steiger
(131 min., rated PG)

WEDNESDAY JANUARY 17

"GO TELL THE SPARTANS"
Starring
Burt Lancaster and Craig Wasson
(113 min., rated R)

FRIDAY JANUARY 19

"IT LIVES AGAIN"
Starring
Frederick Forrest and Kathleen Lloyd
(90 min., rated R)

SATURDAY JANUARY 20

1:30 Matinee - Regular Adm.
"RAGGEDY ANN AND ANDY"
Animated Musical
(86 min., rated G)
7:30 P.M.
"CONVOY"
Starring
Ali MacGraw and Kris Kristofferson
(111 min., rated PG)

also won first prize in the Carl Flesch International Violin Competition held a few months earlier in England.

During his visit here, Sarbu also will be incorporating a school program and master



Eugene Sarbu

class which will be presented Friday morning, Feb. 2, at Burroughs High School.

For additional information on the concert or for tickets, contact the IWV Concert Association by calling 375-5600.

College to present orchestra, vocal music concerts

The Cerro Coso Community College invites the public to a orchestra concert on Sunday at 3 p.m. and to a vocal music concert next Thursday, Jan. 18, at 7 p.m.

The Desert Community Orchestra, conducted by Gordon Trousdale, will present the following program: Beethoven: Symphony No. 8, in F Major; Haydn: Symphony No. 92 in G, ("Oxford"); Mozart: Overture to "The Magic Flute"; and Mozart: Symphony No. 40, in G Minor.

Admission price for the orchestra concert is \$1 for students and \$2 for non-students.

As part of their final examination, 16 vocal music students will present a recital, free of charge to the public, on Jan. 18. Both classical and contemporary music will be presented by the students, most of whom will be accompanied by Pat Nolan at the piano.

Mrs. Karin Jain, Cerro Coso College voice teacher, will introduce the students to the audience.



THRIFT SHOP VOLUNTEERS HONORED — Certificates of appreciation for their volunteer service at the Thrift Shop, which is operated by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM), were presented recently by Bob Hillyer (at left), NWC Technical Director. The recipients, and the length-of-service certificates they received, were (l.-r.) Patsy Egen (200 hr.), Connie Baker (100 hr.), Janet West (20 hr.), Joyce Taylor (100 hr.), and Elaine Adams (20 hr.). At right are Carol Lloyd and Yuko Blair, the Thrift Shop co-chairmen from January to June 1978, who also received certificates in recognition of their efforts. The WACOM-operated Thrift Shop is open on Tuesdays from 7 to 9 p.m. and on Thursdays from 9 to 11 a.m. —Photo by Ron Allen



Commissioned Officers' Mess

A dance to recorded "disco" music will highlight this weekend's schedule of events at the Commissioned Officers' Mess. The dance, for COM patrons and guests, is scheduled tonight from 8:30 to midnight.

Special attractions in the dining room at the COM during the coming week include seafood night on Tuesday, and Italian dishes on Thursday, Jan. 18. Among menu specials that evening will be all the spaghetti you can eat for \$1.98 for adults and \$1 for children.

On Friday, Jan. 19, another gala "Membership Night" is planned. A Cornish game hen dinner will be served in the dining room from 6:30 to 9:30 p.m.

Dancing and listening to the music of the "Sundowners," a musical group from the Los Angeles area, is scheduled from 9 p.m. until 1 a.m.

The cost for the evening of dining and dancing on "Membership Night" is \$3 for members and their spouses, and \$4 each for guests.

CPO Club

"The Sounds of Time," a new country and rock musical group from the local area led by Tony Scanlan, will be featured next Friday night, Jan. 19, at the Chief Petty Officers' Club.

Dinner, from a menu featuring prime rib of beef and white fish, will be served from 6 to 9 p.m. on Jan. 19.

Rotary Club seeks applicants for study program abroad

The Rotary Club of China Lake is searching for candidates for Rotary Foundation educational awards for study abroad in 1980-81.

Graduate and undergraduate students, teachers of the handicapped, students in technical training programs, and journalists may apply for the awards. The awards provide round-trip transportation, educational and living expenses for one academic year, and funds for intensive language training if necessary.

Interested applicants should contact one of the following before March 1: Russ Bard, phone 446-7536, or George Moncsko, phone 375-9593.

Museum to sell tickets for fund raising luncheons

Tickets will go on sale next Wednesday, Jan. 17, starting at 10 a.m. at the Community Center for the 1979 series of five luncheons that will be given by the Maturango Museum luncheons committee to raise money for the museum's building fund.

The gourmet luncheons will be held on the first Monday of each month — beginning in February and ending in June. Each luncheon will feature an entree, salad, homemade hot rolls and dessert, as well as tea or coffee.

The luncheons will be prepared and served by volunteers under the leadership of Sue Byrd, who plans the menus. Mrs. Byrd's culinary talents are well known locally, and she is conducting cooking classes at Cerro Coso Community College.

The luncheons, which were started in 1973, have been well received. Last year's series was completely sold out making it possible to accommodate extra out-of-town guests only on a single-luncheon basis.

The luncheons are held in the Sidewinder Room of the Community Center and there will be two seatings again this year — one at 11:30 a.m. and the other at 12:30 p.m.

Entrees to be featured this year include chile rellanos, lobster quiche, Mexican chicken crepes, mushroom strata, and crab enchiladas.

Season tickets for the luncheons are priced at \$20.75 plus the California sales tax of \$1.25 or a total of \$22.

Play based on story of 'Rip Van Winkle' to be presented

A stage play based on the popular story "Rip Van Winkle" will be presented tonight at 7:30 in the Burroughs High School lecture center by the Burroughs Children's Theatre group—an organization sponsored by Alan Kubik.

Title role in this production, which is directed by Dave Craddock, president of the BHS Drama Club, is portrayed by Brett Battles.

Others who have featured parts in the play are Brian Weathersbee, Shawn Dugan, Frank Bushnell, Matt Doig, Mark Barsaloux, Karl Kuletz, Chuck Glaze, Noretta Barker, Tracy West, Juli Pinney and Dalene Howard.

In addition to tonight's show, other performances are scheduled tomorrow at 2:30 p.m., as well as on Friday and Saturday, Jan. 19 and 20, at 7:30 p.m. and 2:30 p.m., respectively.

Tickets, priced at 75 cents for children under 12 and \$1 for others, are available in advance from members of the cast and backstage crew, and at The Studio in Ridgecrest. They may also be purchased at the lecture center box office before each performance.

Swap meet slated Jan. 20

Plans have been made for holding a swap meet in the east parking lot of the Community Center on Saturday, Jan. 20.

Commercial sales are banned, but others are invited to reserve a table for displaying items they have for sale by calling NWC 2010.

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From: _____	PLACE STAMP HERE
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Naval Weapons Center
China Lake
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RAdm. Harris to speak at business outlook conference

Rear Admiral William L. Harris, NWC Commander, will join a panel of speakers who will lead off the 21st annual Kern County Business Outlook Conference.

The conference, sponsored by the Kern County Board of Trade, will get underway at 9 a.m. on Thursday, Jan. 18, in the Bakersfield Civic Auditorium.

RAdm. Harris will discuss the role of NWC in the national defense effort, as well as the Center's effect on the economy of Kern County.

Included among speakers who will focus their attention on the economic prospects for 1979 and beyond will be experts in such fields as retail sales, agriculture, mining, oil and gas drilling and exploration, real estate and construction, and outdoor recreation.

Another of the military speakers on the panel will be Brig. Gen. Philip J. Conley, Jr., Commander of the Air Force Flight Test Center at Edwards Air Force Base. In addition, Isaac T. Gilliam IV, Director of the National Aeronautics and Space Administration's Dryden Flight Test Center at Edwards AFB, will present a talk on the space shuttle.

Keynote speaker during the luncheon portion of the conference will be Elliott M. Estes, President and Chief Operating Officer of the General Motors Corp. in Detroit, Mich. His topic will be "1979 — Making It a Year to Remember."

Reservations are necessary for the Business Outlook Conference, which last year attracted a turnout crowd of more than 1,700 persons. To order tickets, priced at \$7 per person, those interested in attending should call (805) 861-2367 no later than today.

Top sailors of '78 to be guests at Bluejacket of Year banquet

Plans are in full swing for the tenth annual Bluejacket of the Year banquet — an event sponsored by the Indian Wells Valley Council of the Navy League, which will be held on the evening of Saturday, Jan. 20, at the Enlisted Mess.

The winner of the 1978 Bluejacket of the Year Award will be a well kept secret until announced at that time.

A selection committee composed of six chief petty officers is responsible for selecting the award winner from a list of six enlisted personnel who were singled out as Bluejackets of the Month during 1978. Monthly award winners who have been transferred to another duty station, discharged or promoted to chief petty officer are not eligible for the award.

The six enlisted men who are the 1978 Bluejacket of the Year candidates are: AQAN Lawrence P. Lenz — June, and PHAN Gregory J. Parrish — December, both of VX-5; AZ2 Sammie E. Goode — February, AE1 Barry R. Hileman — July, and AE2 Roger D. Wingerberg — November, all of NWC; and HM1 Timothy D. Jung, from the Branch Medical Clinic, who was chosen in October.

Five other sailors are out of the running because they were transferred, namely, ABF1 Ray L. Vickers — January; YN2 Linda L. Bomberger — March; PN1 Samuel C. Thompson — May; AT2 Janeece Carver — August; and AD2 Kelvin L. McSwain — September.



MICHELSON LAB AWARDS PRESENTED — During a luncheon that was attended Tuesday by a capacity crowd in the Mojave Room of the Commissioned Officers' Mess, the five latest recipients of the Michelson Laboratories Award were honored. The awards were presented by Bob Hillyer (at right), NWC Technical Director, who commented on the accomplishments of each of the recipients following their introduction by Capt. F. H. M. Kinley, NWC Vice Commander (at left). Those singled out for this special distinction are (l.-r.) John Campbell, Charles May, Mark Stenger, Stuart Fields and Robert Dillinger.

5 Centerites receive Michelson Lab Awards

The presentation of Michelson Laboratories Awards to five Naval Weapons Center employees highlighted a luncheon held on Tuesday at the Commissioned Officers' Mess. The latest recipients of this award are John M. Campbell, Jr., Robert B. Dillinger, Stuart G. Fields, Charles B. May, and Markham F. Stenger.

The awards, which consist of a certificate and an engraved key, were presented by Capt. F. H. M. Kinley, Vice Commander, on

behalf of Rear Admiral William L. Harris, NWC Commander, as well as by Bob Hillyer, Technical Director. This special honor is designed to recognize outstanding individual administrative and professional excellence, or technical excellence based on singular effort in the performance of individual duties.

The Michelson Laboratories Award is complementary to the Center's highest award — the L.T.E. Thompson Award.

Campbell received this award in recognition of his impressive technical and administrative leadership as the Center's program manager for mine simulation systems. He was commended for his personal dedication to the goal of providing the Navy with sound, reliable, practical hardware that has resulted in the introduction to the Fleet of a series of highly successful mine simulators and the establishment of outstanding rapport with Fleet commands.

Heads Mine Warfare Branch

Campbell, heads the Mine Warfare Branch of the Weapons Department's Special Projects Division. He has been at China Lake since 1963 when he was hired as a mechanical engineer in the planning staff office of the old Aviation Ordnance Department.

He was transferred in 1969 to the Surface Missile Department and joined the Weapons Department in 1975. Campbell has a bachelor's degree in mechanical engineering which he received in 1963 from the University of Santa Clara in Santa Clara, Calif.

Dillinger received the Michelson Laboratories Award for his outstanding leadership and management skills as demonstrated in the Vertical Launch Modular Controllable Booster (VLMCB) Program.

A supervisory aerospace engineer, Dillinger heads the Systems Technology Branch of the Ordnance Systems Department's Propulsion System Division. He came to China Lake in 1961 following his graduation from the University of Nevada in Reno with a BS degree in mechanical engineering. His first job here

was in the Engineering Department staff office, and a year later he moved to the former Propulsion Development Department to work as an aerospace engineer and has been employed in that capacity ever since.

Fields was honored for his outstanding technical achievements in connection with the on-axis data system — a system that represents a major accomplishment in advancing the state-of-the-art in data gathering, handling, processing, and display systems.

The on-axis data system is one of the principal elements of the major range modernization program outlined in (Continued on Page 4)

Contract awarded for construction of camera stations

A contract has been awarded and work is scheduled to begin soon on the construction of four new camera stations and the modification of two other camera stations.

This work which is to take place in the G-1 and G-2 range areas, is in preparation for the transfer here of a major portion of the workload of the National Parachute Test Range (NPTR) at El Centro, Calif.

The contract for this work, which is to cost \$244,864, was awarded to the Stevens Co. of Lancaster, Calif., and its part in the job is scheduled for completion in June.

According to Don Mumford, the project design engineer who is employed in the Engineering Division of the Public Works Department, the contract calls for enlarging two existing camera stations in the G range area in order to accommodate larger cameras that will be moved here from El Centro.

Other work to be done includes the construction of earth mounds to enable better visibility of the parachute drop zone. On these mounds will be built new concrete slabs with isolated footings that are intended to eliminate any vibration as the domes which protect the cameras are moved while tracking the parachute drops during test work.

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 employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 094 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 supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-116, while those for all WO, WL and WS positions are defined in CSC Handbook X-118C.

Interdisciplinary Position — General Engineer, Electronic Engineer, Aerospace Engineer, Mathematician, Operations Research Analyst, or Physicist GS-801/855/861/1520/1515/1310-9/11/12, PD No. 7540138E, Code 3916 — This position is located in the Advanced Concepts Evaluation Branch, Weapons Synthesis Division, Weapons Department. The incumbent initiates and participates in analysis studies of weapon systems involving advanced concepts being investigated under exploratory and advanced development programs. The advanced concepts are analytically evaluated by the incumbent to determine their capabilities and deficiencies related to projected operational and tactical requirements. Tasks will include preparation of study plans, threat definition, assessment of mission needs and requirements, and perform state-of-the-art technology using existing or developed analysis techniques and computer models. Work is reported in formal presentations and documents. **Job Relevant Criteria:** Experience in mission and operations analysis; knowledge of statistics and computer techniques; familiarity with naval structure and operations; ability to organize projects and direct the work of others; ability to communicate effectively both orally and in writing.

Electronics Engineer, GS-855-12/13, PD No. 7939005, Code 3953 — This position is located in the Air-to-Air Systems Office, Weapons Department. The Air-to-Air Systems Office provides technical direction between Center departments, contractors and other government agencies. The incumbent is systems engineer for the AIM-9M program. Major duties include: analysis of the guidance system to meet performance and operational requirements of the weapon system; coordinate in-house and contractor designs to insure consistent application of technical designs and subsystem compatibility; perform background and investigative research, design and development as applied to electro-optical and infrared guided missiles; perform state-of-the-art technology surveys to develop various approaches for problem solutions and once the technical approach has been established, direct the detailed fabrication and evaluation of a breadboard; serve as a DoD/Naval expert in performance prediction of electro-optics and infrared missile guidance and control systems in their conceptual stages; and maintain accurate documentation in the form of memoranda, reports and specifications throughout the development. **Job Relevant Criteria:** The incumbent must have a bachelor of science degree with experience in systems analysis; electronic and optical processing for guidance and control; and feedback control design. In addition, he/she must thoroughly understand electro-optics, guidance, control theory, subsystems interfaces as applied to air-to-air weapon systems. Specific experience in Sidewinder missile guidance and control is preferred. GS-13 grade level subject to OCP classification.

Electronics Technician, GS-856-5/6/7, PD Nos. 7835024N/7835038/7835039N, Code 3553 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Threat Radar Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department, with a duty station in the Randsburg Wash Test Area. Duties are the adjustment and calibration of the circuitry of a subsystem (SAR) or of a radar system which design is used in the test/evaluation of electronic warfare and associated optical/electro-optical devices and tactics. An incumbent receives extensive training in radar operation, test equipment and radar circuitry, both formal and on the job, to enhance his/her knowledge of electronics. **Job Relevant Criteria:** Knowledge of basic electronic theory; working knowledge of circuitry used in radar subsystems; familiarity with electronic circuit design and test; and experience using basic test equipment, such as multimeters, oscilloscopes, power meters, frequency meters; ability to take directions, to work in stressful test environment, to be sufficiently dependable to meet test requirements, to cooperate with peers. Promotion potential: GS-10.

Interdisciplinary Position, Electronics Engineer/Aerospace Engineer/Physicist/Mathematician, GS-855/861/1310/1520/1515/1310-9/11/12, PD No. 7835127, Code 3513 — This position is located in the Simulation Analysis Branch Systems Sciences Division, Electronic Warfare Department. The branch provides in-depth analysis and information on threat systems to NWC developers and off-center groups such as the Naval Intelligence Center in Washington, D.C. Incumbent will design and assist in the design of components and subsystems of surface-to-air weapons systems through theoretical and applied analysis of missile, gun and radar characteristics that will result in a set of performance specifications to be incorporated into digital or analog simulations. **Job Relevant Criteria:** Knowledge of digital computing; some knowledge of weapons control systems; experience in design/development of weapons systems; ability to communicate effectively, both orally and in writing.

Electronic Engineer, GS-855-7/9/11, PD No. 7835124, Code 3512 — This position is located in the Electronic Warfare Analysis Branch, Systems Sciences Division, Electronic Warfare Department. An incumbent designs and tests electronic countermeasures systems against simulations/hardware of foreign threat systems and analyzes the capabilities of U.S. Navy active countermeasures equipment against threat systems to support T&E for which little is known except evaluated and raw intelligence data. **Job Relevant Criteria:** Must have experience in use of laboratory test equipment; knowledge of operational naval airborne EW systems, and a working

municate in both oral and written form. Previous applicants need not re-apply.

Machined Parts Inspector, WG-3414-11, JD No. 616N, Code 3454 — Position is located in the Quality Control Branch, Engineering Prototype Division, Engineering Department. Incumbent performs product verification on a wide variety of mechanical components and assemblies to determine compliance of the physical characteristics to the established requirements. Sources of the product are Center shops, contractors, vendors, and other government facilities. Users of the product are Center projects, contractors, and other government installations. **Job Relevant Criteria:** Ability to do inspector (machined parts) work without normal supervision; knowledge of operation of machine tools; technical practices (theoretical, precise, artistic); ability to use shop drawings; measurement and layout; and knowledge of materials. Supplemental qualification statement is required and must be picked up in the Personnel Bldg., Rm. 204. Previous applicants need not re-apply.

File applications for the above with Margot Stanton, Bldg. 34, Rm. 204, Ph. 2925.

Electronic Engineer, GS-855-11/12, PD No. 7835130E, Code 3543 — This position is located in the Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs detailed and specialized engineering analysis, design and development of radar systems and components. He develops radar countermeasures techniques and circuits which are evaluated both analytically and by actual field tests against actual radars. **Job Relevant Criteria:** Detailed knowledge of radar systems analysis (including statistics and time frequency analysis). Previous experience with radar systems development and testing.

Electronics Technician, GS-856-5/6/7, PD Nos. 7835024N/7835038/7835039N, Code 3553 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Threat Radar Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department, with a duty station in the Randsburg Wash Test Area. Duties are the adjustment and calibration of the circuitry of a subsystem (SAR) or of a radar system which design is used in the test/evaluation of electronic warfare and associated optical/electro-optical devices and tactics. An incumbent receives extensive training in radar operation, test equipment and radar circuitry, both formal and on the job, to enhance his/her knowledge of electronics. **Job Relevant Criteria:** Knowledge of basic electronic theory; working knowledge of circuitry used in radar subsystems; familiarity with electronic circuit design and test; and experience using basic test equipment, such as multimeters, oscilloscopes, power meters, frequency meters; ability to take directions, to work in stressful test environment, to be sufficiently dependable to meet test requirements, to cooperate with peers. Promotion potential: GS-10.

Interdisciplinary Position, Electronics Engineer/Aerospace Engineer/Physicist/Mathematician, GS-855/861/1310/1520/1515/1310-9/11/12, PD No. 7835127, Code 3513 — This position is located in the Simulation Analysis Branch Systems Sciences Division, Electronic Warfare Department. The branch provides in-depth analysis and information on threat systems to NWC developers and off-center groups such as the Naval Intelligence Center in Washington, D.C. Incumbent will design and assist in the design of components and subsystems of surface-to-air weapons systems through theoretical and applied analysis of missile, gun and radar characteristics that will result in a set of performance specifications to be incorporated into digital or analog simulations. **Job Relevant Criteria:** Knowledge of digital computing; some knowledge of weapons control systems; experience in design/development of weapons systems; ability to communicate effectively, both orally and in writing.

Electronic Engineer, GS-855-7/9/11, PD No. 7835124, Code 3512 — This position is located in the Electronic Warfare Analysis Branch, Systems Sciences Division, Electronic Warfare Department. An incumbent designs and tests electronic countermeasures systems against simulations/hardware of foreign threat systems and analyzes the capabilities of U.S. Navy active countermeasures equipment against threat systems to support T&E for which little is known except evaluated and raw intelligence data. **Job Relevant Criteria:** Must have experience in use of laboratory test equipment; knowledge of operational naval airborne EW systems, and a working

knowledge of intelligence publications; ability to communicate effectively, both orally and in writing.

Electronic Engineer, GS-855-12, PD No. 7835129E, Code 3543 — This position is located in the Countermeasures Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs all necessary background research and theoretical analysis to determine feasibility for developing new airborne and missileborne radar system and subsystem design concepts in the areas of radar navigation, target location, acquisition and tracking. Does/directs subsequent design work. **Job Relevant Criteria:** Extensive skills involving detailed radar analysis as applied to target detection for missile or airborne radars; knowledge of missile or airborne radar hardware; skills through experience or post-graduate level education) in the areas of electromagnetic and microwave theory, advanced mathematical techniques, principles of high resolution radar, radar clutter and multipath modeling, MTI and pulse doppler radar, and radar detection theory.

Interdisciplinary Position, Electronics Engineer/Physicist, GS-855/861/1310-9/11/12, PD No. 7835127, Code 3513 — This position is in the RF Development Division, Advanced Technology Branch, Electronics Warfare Dept. A major portion of the branch efforts are concerned with advancing the state-of-the-art of broadband radar absorbing materials and of broadband direction-finding systems. The position supports the development of all-weather systems for use in the development of millimeter wave radar (SAR) carried by Naval aircraft. The incumbent serves as one of the principals in an evolving technology project to determine how best to use the capabilities of a SAR, and subsequently to demonstrate the feasibility through captive and freeflight testing; works out basic designs for missile guidance components to make it possible to accurately control by a remote SAR; analyzes system errors to determine how to improve guidance accuracy; participates in technical reviews and evaluation of SAR equipment. **Job Relevant Criteria:** Background in missile guidance and related avionics systems; knowledge of analog and digital circuit design techniques.

Electronic Engineer/Physicist, GS-855/1310-12, PD No. 7835040E, Code 3521 — This position is located in the Microwave Radiometry Branch, RF Development Division, Electronic Warfare Department. A major portion of the branch efforts involve passive and active microwave and millimeter wave sensor systems for various applications including navigation, guidance, reconnaissance and surveillance. The incumbent will design, procure components and develop systems to integrate and test millimeter wave guidance systems for small body weapons. This position will support the development of an adverse warfare, adverse visibility guidance system for a small, man-launched, weapon. The incumbent serves as one of the principals in an evolving technology project to determine the best methods to use the capabilities of millimeter waves and to demonstrate system feasibility through captive and freeflight testing and captive and free-flight testing. **Job Relevant Criteria:** Extensive knowledge in electronics; extensive knowledge in electromagnetic theory and practice, (especially in the millimeter wave portion of the spectrum); knowledge of missile guidance and knowledge of digital computer hardware and software.

Electronics Technician, GS-856-5/6/7, PD Nos. 7835024N/7835038/7835039N, Code 3553 — Applications will be accepted from both NWC employees and status eligibles. This position is located in the Threat Radar Evaluation/Development Branch, Countermeasures Division, Electronic Warfare Department, with a duty station in the Randsburg Wash Test Area. Duties are the adjustment and calibration of the circuitry of a subsystem (SAR) or of a radar system which design is used in the test/evaluation of electronic warfare and associated optical/electro-optical devices and tactics. An incumbent must establish and maintain compatible electronic interfaces on assigned radar subsystems, and assist in providing technical expertise to engineers responsible for modification of the threat radar systems to which assigned. **Job Relevant Criteria:** Knowledge of radar subsystem design; trouble shooting experience with radar subsystems/systems; experience using test equipment to include RF sweepers, spectrum analyzers, frequency synthesizers, IC analyzers, pedestal servo system analyzers; ability to work well with others in pressure situations; demonstrated ability as a radar operator. Promotion potential: GS-10.

Supervisory Security Specialist, GS-080-11, PD No. 7824030E, Code 243 — This position is that of Head, Information and Internal Security Division located in the Safety and Security Department. The incumbent plans and directs the total program for three major functional areas consisting of the Personnel Security Branch, Visitors Branch, and Classification Management Office. Among the incumbent's duties are advising Command and department managers on security matters; advising and assisting in the preparation and reviewing of written instructions and operating procedures; and exercising administrative and technical supervision over the work force which includes three subordinate supervisors. **Job Relevant Criteria:** Experience supervising a workforce through one or more subordinate supervisors; knowledge of the principles and procedures pertaining to personnel security and classification management; ability to communicate effectively orally and in writing; ability to coordinate and integrate the work activities of several organizational segments or several different projects.

File applications for the above with Charlotte Sleskowski, Bldg. 34, Rm. 208, Ph. 3118.

Warehouseman, WG-4907-4, JD No. 362N, Code 2591 (4 vacancies) — This position is located in the Storage and Retail Issuance 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 assemblies 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, clear and in order; knowledge of warehousing practices; ability to interpret instructions; dexterity and safety. Promotion potential: WG-6.

Mechanical Engineer, GS-830-9/11/12, PD No. 7733044E, Code 3351 (1 vacancy) — Applications from status eligibles will be accepted. This position is located in the Product Engineering Branch of the Engineering Division. Dependent on the level selected, the position will be that of a project engineer or assistant to a project engineer. Duties will involve the design and development of fuzes, destructors, safety-arming and arming-firing devices and the responsibility for product engineering, test

and evaluation and product support of devices in production and being supplied to the Fleet. Studies and failure analyses of design and production problems with contractors and Fleet units will be required. **Job Relevant Criteria:** Knowledge of quality assurance practices; knowledge of production processes; knowledge of mechanical assemblies, such as safety-arming devices/contact fuses.

Engineering Technician, GS-802-9/10/11, PD No. 7933002, Code 3351 — This position is located in the Product Engineering Branch, Electromechanical Division, Fuze and Sensors Department. Duties will involve working with project engineers involved in designing, developing and providing production support of electromechanical safety-arming, arming-firing and related ordnance devices. The incumbent will design, set up and monitor development and laboratory testing of the above devices. Will participate in failure analysis both at the division and contractor's facilities. **Job Relevant Criteria:** Knowledge of design/drafting techniques; knowledge of mechanical and electrical engineering principles and practices applicable to small electromechanical assemblies; knowledge of operated mechanisms and associated equipment; ability to interface well with contractor and test laboratory personnel; ability to prepare and present both oral and written reports.

Supply Clerk (Typing), GS-2005-3/4, PD No. 7923000, Code 2591 (3 vacancies) — These positions are located in the Storage and Retail Issuance Branch, Material Division, Supply Department. The incumbent is responsible for the receiving, preparation and processing of TELMAOT reports, maintaining records and reports, attending warehouse check-out counter and administrative duties such as mail distribution and distribution and processing of requisitions. **Job Relevant Criteria:** Ability to deal tactfully and effectively with others; ability to communicate orally and in writing; knowledge of supply functions and procedures. Promotion potential: GS-5.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 3271.

Gardener, WG-5003-4, JD No. 190-1N, Code 2451 — This position is located in the Laborer Shop, Public Works Department. The incumbent cuts, prunes, and trims trees using hand saws, drain saws, manual and/or pneumatic pruning hooks and shears, axes, machetes and similar tools. Climbs ladders to reach branches to medium heights, uses safety belts and climbing gear to reach higher branches. Following standard methods/procedures requiring horticultural knowledge, cleans out dead and infected parts and seals cuts, gorges to protect trees. **Job Relevant Criteria:** Ability to do work of the position without more than normal supervision; technical practices; ability to interpret instructions and to follow directions; dexterity and safety and ability to use and maintain tools and equipment.

Boiler Plant Equipment Mechanic, WG-3309-8, JD No. 425N, Code 2442 — This position is in the Public Works Department, Maintenance-Utilities Division, Electrical and HVAC Branch. The incumbent installs, maintains, and repairs industrial and commercial gas fired heating and evaporative cooling equipment. **Job Relevant Criteria:** Ability to install, repair or maintain; ability to interpret instructions specifications, etc.; ability to troubleshoot pertinent equipment; ability to use tools and measuring instruments; ability to do the work of the position without more than normal supervision.

Air Conditioning Equipment Mechanic, JD No. 397, WG-3304-7/8, Code 2442A (two vacancies) — Positions are in the Electrical and HVAC Branch, Public Works Department. The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components including compressors, motors, evaporators, condensers, heaters, pumps, humidifiers, and other components in accordance with design specifications. Installs and connects and controls refrigeration lines and repairs tubing and piping of refrigerant lines and connects same by brazing, silver soldering, soft soldering, and mechanical joints, connects recording and gauging devices; initiates the operation of refrigeration systems, evacuating, and charging with refrigerants. Diagnoses

(Continued on Page 4)



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1015
Sunday School—All Ages 0900
Sunday Chapel Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.
Communion Service first Sunday of the Month.

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

ROMAN CATHOLIC
MASS
Saturday 1700 fulfills Sunday obligation
Sunday 0830-1130
Nursery, Chapel Annex 1 0815-1245
Daily except Saturday, 1135; Blessed Sacrament Chapel

CONFESSIONS
Daily 1115 to 1130
Saturday 1615 to 1645
Sunday 0800 to 0825

RELIGIOUS EDUCATION CLASSES
Sunday First through 4th grades 1015
Sunday Pre-school & kindergarten 1115
Sunday seventh & eighth (Junior High) 1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday evening Ninth through 12th grades As announced "In Home" Discussion Groups Youth Rallies

Contact Chaplain's Office for specifics.

JEWISH SERVICES
EASTWING—ALL FAITH CHAPEL
Sabbath Services every Friday 1930
UNITARIANS
CHAPEL ANNEX 95
Sunday Services—(Sept.-May) 1930

Top two teams in Premier League rusty after layoff

(Continued from Page 4)

The Elks Lodge and Fisher Plastering, the two top teams in the Premier League, took it on the chin Monday night at Hall Memorial Lanes when action resumed following the Christmas-New Year's Day holiday break.

The Elks lost three games to the fourth place Raytheon Sidewinders, while The Hideaway bowlers won two out of three games from the Fisher Plastering kегlers.

This turn of events left the Elks Lodge in first place, two games ahead of Fisher Plastering. Hot on their heels in third and fourth places are the Ace Realty and Raytheon Sidewinder teams, who are just 2½ and 3 games off the pace, respectively.

High team game for the night was the 988 posted by Fisher Plastering. The high team series (2,859) was rolled by the Hideaway. Just two bowlers were over the 600 series mark. They were Barney Brush (810) and Allen Smith (604).

Those who had single game scores in excess of 220 were Jim Dillon (227), Brush (223) and Aaron Kane (222).

Current standings in the Premier League are:

Team	Won	Lost
Elks Lodge	30	18
Fisher Plastering	28	20
Ace Realty	27½	20½
Raytheon Sidewinders	27	21
Saddleback Tackle	25	23
Hideaway	24	24
E.R.I. Hustlers	21	27
The Place	21	27
Western Columbia	19½	28½
Best Realty	17	31

Intramural League ...

(Continued from Page 6)

Floorburners 51-26, and then slipping past the Visitors 25-20.

Duane Blue set the pace in the scoring department for the Gas Bags as he hit 19 in the game against the Floorburners and tallied 12 for his team in its low-scoring contest with the Visitors. Art Castillo came through with 15 of the 26 points registered by the Floorburners.

Games to be played next week in the China Lake Intramural Basketball League are:

Tuesday — Homestead Hombres vs. Loewen's Chukars, 6 p.m.; T.P.Q. vs. The Heat, 7:15 p.m. and Loewen's B vs. the Turtles, 8:30 p.m.

Thursday — Desert Motors vs. Loewen's Chukars, 6 p.m.; Dispensary vs. the Stalkers, 7:15 p.m., and Low Doze vs. the Turtles, 8:30 p.m.

Varsity loses ...

(Continued from Page 6)

Field goals by Mike Wirtz and Jim Crider and a free throw by Roger Pack left the Burros trailing, 56-54, in the hectic final seconds of the game.

The BHS cagers nabbed a turnover and called time out with 11 sec. to go. Then, with the clock running again, the Burros started to work the ball in for a final shot, but a slip that sent the ball handler to the floor wiped out the chance for a basket that would have tied the contest and sent the game into overtime.

The game's high point man was Tony Stevenson of Canyon High with 18, while a teammate, Jeff Cornwell tallied 14 for the Burboys. The Burros were led in the scoring department by Ron Garrett and Steve Motte, who tallied 16 and 12 points, respectively.

Bowling tourney ...

(Continued from Page 6)

died on Nov. 21, 1978. For 1½ years prior to his death he had been employed at Hall Memorial Lanes and before that was the manager of the Ridgecrest Bowl for several years.

He first came to this area while a chief petty officer in the Navy and was the manager of the old China Lake bowling alleys formerly located in the vicinity of the Auto Hobby Shop.

operate a PABX switchboard for the Public Works Department. **Job Relevant Criteria:** Experience as a telephone operator; ability to communicate effectively; ability to work under pressure.

Air Conditioning Equipment Mechanic, WG-3304-11, JD No. 493N, Code 2443 — This position is in the Field Support and Utilities Branch, Maintenance and Utilities Division of the Public Works Department. The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components including compressors, motors, evaporators, condensers, heaters, pumps, humidifiers, and other components in accordance with design specifications. Installs and connects control mechanisms; erects and repairs tubing and piping of refrigerant lines and connects same by brazing, silver soldering, soft soldering, and mechanical joints, connects recording and gauging devices; initiates the operation of refrigeration systems, evaluating and charging with refrigerants. Diagnoses improper operation; makes adjustments or repairs; replaces control or other component parts. Tests for leaks using various methods and equipment. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; ability to read and interpret blueprints; sketches, etc.; ability to troubleshoot pertinent equipment; ability to use tools and measuring instruments; ability to install, repair or maintain pertinent equipment.

Electrician, WG-4407-99, JD No. 177N, Code 2443 — This position is located in the Structures Branch of the Public Works Department. The incumbent builds, repairs, and installs various wooden articles and items; lays and repairs various types of roof surfacing; and lays floor covering. Installs inside walls, latins, sheathing, floors, ceilings, stairs and inside trim, builds closets, counters, shelves, bibs, and similar structures; hangs doors and windows, and installs hardware; builds concrete forms; repairs and make alterations to existing buildings, considering factors of structural strength as well as utility and appearance. **Job Relevant Criteria:** Technical practices; ability to interpret instructions, specifications, and blueprints; measurement and layout; tools and equipment; materials; ability to do the work of the position without more than normal supervision.

Clerk Typist, GS-322-3/4, PD No. 7470033, Code 24403 — This position is located in the Scheduling Section, Code 24403, Maintenance and Utilities Division. Responsibility is for the maintenance and control of all work request records. Duties include filing, logging, typing and report preparation, serves as part time dispatcher for emergency service and repairs calls. **Job Relevant Criteria:** Ability to work under pressure; ability to type efficiently and accurately; ability to get along with others in work groups; reliability and dependability.

Data Transcriber, GS-354-3/4, PD No. 7826075, Code 24026 — This position is located in the department staff Public Works Department. The incumbent is responsible for the day-to-day status of the Annual Inspection Program which is input in a System 2000 data base system. The incumbent will be responsible for data base entry, editing, writing, quality control, quality control, and special reports as needed. **Job Relevant Criteria:** Ability to operate a remote access data terminal; knowledge of the System 2000 data base system; ability to work independently; knowledge of the organization and function of the Public Works Department; ability to handle a large volume of data.

File applications for the above with Lucy Lambrt, Bldg. 34, Rm. 216, Ph. 2032.

Engineering Psychologist, GS-180-9 PD No. 7931003, Code 3175 — This position is located in the Human Factors Branch, Survivability and Lethality, Surface Targets Division, Systems Development Department. The branch conducts analytic and experimental investigation of man-machine interface problems in weapons and weapon development systems. The incumbent conducts human factors investigations in such areas as missile delivery and operation, and visual target acquisition. The incumbent will also participate as a member of the human factors team on aircraft and missile contract monitoring. **Job Relevant Criteria:** Experience in performing human factors work; ability to originate new methods of solution; ability to write, quality control, quality control, and special reports as needed. The incumbent must have experience in conducting psychological investigations and ability to communicate effectively in writing. Promotion potential GS-13.

Electronics Engineer, GS-855-12, Mechanical Engineer, GS-830-12, Aerospace Engineer GS-861-12, or Physicist, GS-1310-12, PD No. 7931004, Code 3180 — This is an interdisciplinary position located in the Advanced Aircraft Armament System Project Office of the Systems Development Department. This position is Director of North Atlantic Treaty Organization (NATO) coordination for the Advanced Aircraft Armament System (AAAS) Project Office. The incumbent will perform engineering, technical and administrative coordination for all NATO aspects of the AAAS Program, including the preparation, integration, and evaluation of all NATO documentation related to the aircraft armament interoperable interfaces. The incumbent is responsible for the determination of interface and control requirements for both current and future U.S. aircraft weapon systems and other types of stores, and for the integration of these many requirements with those pertaining to the interfacing of armament, launcher, avionics and aircraft systems. **Job Relevant Criteria:** Must have experience in engineering design related to aircraft weapon development programs; must possess a thorough knowledge of the technical and administrative aspects of managing research and development programs in aircraft support systems development; must be able to coordinate the work of technical experts in many varied disciplines and be able to communicate and report effectively to provide integration of efforts and assignments; must have experience in system engineering or analysis program planning and documentation to enable understanding of detailed engineering objectives and to direct and coordinate effort in all phases of engineering system analysis.

Physical Science Technician, GS-1311-3/4/7, PD No. 7801003, Code 3882 — This position is located in the Physical Sciences Division, Systems Development Department. The incumbent provides a variety of technical services to research chemists of the branch. The work involves the operation of apparatus as well as chemical preparation and physical measurements related to special needs of the programs. The incumbent calculates molecular weights, prepares solution, calculates and makes dilutions, and measures optical activity. Must have a good knowledge of the physical sciences, and must be familiar with procedures involving utilizing the inert atmosphere box; must be able to operate a variety of spectrometers, light-measuring devices, recorders, and specialized electrical measuring equipment; must be capable of carrying out general laboratory procedures such as weighing accurately on balances, pipetting, and using the vacuum system.

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

Administrative Assistant, GS-341-7, PD No. 7932002, Code 3202 — Promotion potential: GS-9. This position is located in the Ordnance Systems Department staff and provides administrative assistance to two divisions. Responsible for submission of overhead reports providing review of direct/indirect funds and manpower, G&A, travel and overtime. Responsible for manpower loading report for department use. Reviews and monitors expenditures for technical projects to insure proper charging of labor, overhead, equipment, contracts, and materials. Works with project engineer to make necessary corrections. Assists project personnel in preparation of budgets. Assists in deriving solutions to a wide variety of personnel-related issues. Performs analyses concerning space, equipment, security matters, etc. Functions as department administrative coordinator for Junior Professional program. **Job Relevant Criteria:** Knowledge of NIF accounting procedures and processes; ability to analyze complex material and derive sound conclusions; ability to work independently; ability to work effectively with others in a coordinative capacity.

Clerk-Typist, GS-322-3/4, PD No. 7732021, Code 326 — This position is located in the Conventional Weapons Division of the Propulsion Development Department and is an interdisciplinary position located in the Advanced Aircraft Armament System Project Office of the Systems Development Department. The incumbent will perform systems engineering and technical and administrative coordination for system test and evaluation of the AAAS Program, including the integration and testing of all subsystem developments related to aircraft armament system interoperability, supportability and performance. The incumbent is responsible for the overall armament system test program including test planning, test design and test bed design, fabrication and operation. He is responsible for the technical feasibility and adequacy of test hardware development and fabrication, and

verification and integration of advanced concept models, components and subsystems into the test facility. He will develop test plans for the Navy/Air Force joint aircraft armament interoperable interface program and for the Navy's technology development program. These duties include responsibility for the definition of armament subsystem performance, supportability and interoperability objectives and approaches in terms of technical and mission requirements, technology demonstration and standards validation. **Job Relevant Criteria:** Must have experience in engineering design, fabrication, and testing programs; incumbent must possess a thorough knowledge of the technical and administrative aspects of managing research and development programs in exploratory and advanced development; must be able to coordinate the work of technical experts in many varied disciplines and be able to communicate and report effectively to provide integration of efforts and assignments; must have experience in project engineering, program planning and organization to enable understanding of detailed engineering objectives and to direct and coordinate effort in all phases of design, development, test and evaluation.

Mechanical Engineer, GS-830-12, or Aerospace Engineer, GS-861-12, PD No. 7931006, Code 31803 — This is an interdisciplinary position located in the Advanced Aircraft Armament System Project Office of the Systems Development Department. The incumbent will perform systems engineering and technical and administrative coordination for the suspension and release equipment of the AAAS program, including the integration and evaluation of all subsystem developments related to aircraft armament subsystem interoperability, supportability and performance. The incumbent is responsible for the determination of interface requirements for both current and future aircraft weapon systems and other types of stores, and for the integration of these requirements with those pertaining to armament, launchers, racks, and aircraft carriage systems. **Job Relevant Criteria:** Must have experience in engineering design, fabrication, and testing programs; must possess a thorough knowledge of the technical and administrative aspects of managing research and development programs in exploratory and advanced development; must be able to coordinate the work of technical experts in many varied fields of discipline and be able to communicate and report effectively to provide integration of efforts and assignments; must have experience in system engineering, program planning and organization to enable understanding of detailed engineering objectives and to direct and coordinate effort in all phases of design, development, test and evaluation.

Mechanical Engineer, GS-830-12, or Aerospace Engineer, GS-861-12, PD No. 7931007, Code 31804 — This is an interdisciplinary position located in the Advanced Aircraft Armament System Project Office of the Systems Development Department. The incumbent will perform systems engineering and technical and administrative coordination for the suspension and release equipment of the AAAS program, including the integration and evaluation of all subsystem developments related to aircraft armament subsystem interoperability, supportability and performance. The incumbent is responsible for the conduct, development, synthesis, coordination, administration and integration of all systems level analysis related to the AAAS Program. These analyses include, but are not limited to, cost-effectiveness, mission effects, logistics, and testability. Must have a good knowledge of the physical sciences, and must be familiar with procedures involving utilizing the inert atmosphere box; must be able to operate a variety of spectrometers, light-measuring devices, recorders, and specialized electrical measuring equipment; must be capable of carrying out general laboratory procedures such as weighing accurately on balances, pipetting, and using the vacuum system.

Physical Science Technician, GS-1311-3/4/7, PD No. 7801003, Code 3882 — This position is located in the Physical Sciences Division, Systems Development Department. The incumbent provides a variety of technical services to research chemists of the branch. The work involves the operation of apparatus as well as chemical preparation and physical measurements related to special needs of the programs. The incumbent calculates molecular weights, prepares solution, calculates and makes dilutions, and measures optical activity. Must have a good knowledge of the physical sciences, and must be familiar with procedures involving utilizing the inert atmosphere box; must be able to operate a variety of spectrometers, light-measuring devices, recorders, and specialized electrical measuring equipment; must be capable of carrying



Recreation Roundup

Registration now open for women's racketball tourney

A racketball tournament for women, originally planned prior to the holidays, has been re-scheduled on Friday, Saturday and Sunday, Jan. 26 to 28.

Women interested in taking part in this event have until 4 p.m. on Wednesday, Jan. 24, to register at the gym. There is an entry fee of \$2 for advanced players and \$1 for novices.

Trophies for first, second and third place will be awarded. Additional information can be obtained by calling the gymnasium office on NWC ext. 2334 or 2571.

Activities Set at Golf Course

Separate ace of the year tournaments for men and women members of the China Lake Golf Club will be held tomorrow, starting at 8:30 a.m., at the local golf course.

Men and women golfers who have won ace of the month honors throughout the past year will be entered in this 18-hole event.

Coming up on Jan. 20 and 27 at the China Lake golf course will be blind bogey tournaments arranged by Special Services. There is an entry fee of \$1 per golfer.

Golfers representing China Lake will be competing on Sundays from Jan. 28 through March 4 in a series of Southern California Golf Association matches that will be scheduled on golf courses in surrounding areas.

Tiny Tots' Swim Classes Slated

Registration is now being taken at the Center gymnasium for swimming classes for tiny tots (6 mo. to 4 years of age) that will be held at the indoor pool on Tuesday mornings from Jan. 23 through Feb. 27.

The instructor is Adrienne Swinford and there is a fee of \$6 for the series of lessons that are planned.

Also coming up is a swimming class for pre-school children 4 years of age and over that will be held on Saturday mornings, starting on Feb. 3 and continuing for nine sessions (excluding holidays on Feb. 17 and March 17). There is a \$10 registration fee for this class.

Youth soccer clinic schedule revised for this weekend

A change has been made this weekend in the schedule of clinics at which youngsters in grades one through eight are being offered instruction in the fundamentals of playing soccer.

Because of a game here on Sunday afternoon between the China Lake Soccer Club and Lancaster Unlimited, the soccer clinics at Davidove Field will begin at the following times: 10 a.m. for fifth and sixth graders; 11:30 a.m. for third and fourth graders; 1 p.m. for first and second graders; and 2:30 p.m. for seventh and eighth graders.

These clinics, which will be continued until spring, are being conducted by China Lake Soccer Club players and former coaches of the Youth Center Soccer League.

While practice upon fundamentals and the polishing of previously acquired skills is the fundamental purpose of the clinics, plans also call for organizing teams of youngsters in various age groups to compete against their counterparts from other towns in the local desert area.



YOUTH SOCCER CLINICS CONDUCTED — Instruction and practice for youngsters interested in learning the fundamentals of playing soccer, or polishing up previously acquired skills, are now being held every Saturday at Davidove Field. As this photo was snapped, two pick-up teams of fifth and sixth graders were going through an exercise aimed at improving upon their ball control and passing techniques. As Karl Kauffman (left center) looks on, Jeff Downs is about to kick the ball, while Mickey West (striped shirt) runs up to try to get in on the action.

— Photo by Ron Allen

Burros varsity cagers lose league tilt, 56-54, to Canyon High Cowboys

Burroughs High School's varsity basketball team, disappointed Tuesday night by a 56-54 loss to the cagers from Canyon High School, will be out to make amends for this setback when they host their counterparts from Hart High School of Newhall tonight.

The Burros, whose Golden League record now stands at 1-1, hope to improve upon this mark not only at the expense of the Indians from Hart High, but also tomorrow night when the hoopsters from Antelope Valley High School in Lancaster will be here for another league contest. This game, scheduled originally on Jan. 5, was postponed due to bad weather conditions for traveling.

Tip-off time for both varsity contests will be 8 p.m. They will be preceded by freshman and junior varsity tilts at 5 and 6:30 p.m., respectively.

Another league match-up is on tap Tuesday night in the Burroughs High gym against visiting teams from Saugus High School.

A dismal third quarter performance

Military teams to vie in Admiral's Cup racketball tourney

Teams representing NWC Gold, NWC Blue (the Aircraft Support Division) and VX-5 will vie in Admiral's Cup racketball competition on Monday, Tuesday and Wednesday, starting at 5 p.m., on racketball court Nos. 2 and 3 at the Center gym.

Each team is to enter seven players, including one Navy woman who is a racketball player. The schedule calls for VX-5 racketball players to take on the NWC Gold team on Monday night and the NWC Blue players on Tuesday. On Wednesday night, it will be NWC Gold vs. NWC Blue. Players ready to go for the VX-5 Vampires are Shelly Buttrill, Ken Wood, Mike Vogt, Rob McAllister, Tim Jenkins and Sue O'Grady.

Earlier this week, a partial list of players for NWC gold was available. They are Hod Wells, Charles Schneider, Colleen McKenzie, Donald Freeman and Mario Lopez.

At press time, Roy Tefft was still trying to round up racketball players to represent NWC Blue, the team which currently holds the lead in the Admiral's Cup standings with 24 points. Runners-up are VX-5 with 16 points and NWC Gold, 14.

accounted for the first league loss of the 1979 season by the BHS varsity basketball team. After leading at the halftime by a scant margin of 28-26, the Burros could muster only 8 points in the third period, which ended with the Canyon High Cowboys out in front 43-36.

At one time in the third quarter, the Burros trailed by 10 points, but rallied after that to tie the score, 43-43, on a pair of free throws by Richie Drake which came with nearly 5 min. still left to play in the fourth period.

A bit later, a field goal by Rob Tomaras of Burroughs knotted the count at 49-49, but a scoring surge by the Cowboys, who racked up 6 unanswered points, gave them a 55-49 lead with just 42 sec. remaining in regulation playing time.

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China Lake Intramural Basketball League competition resumed following holidays

China Lake Intramural Basketball League competition resumed last week following the Christmas-New Year's holiday break with a game between The Pride, an all-military squad, and the Loewen's Chukars.

Although the final score was 57-56 in favor of the Chukars, because of protests regarding the use of ineligible players that were filed by both teams, the game has been ruled "no contest" by league officials. Had the results been allowed to stand, it would have been the first defeat of the 1978-79 season for The Pride.

In the only other Division A contest played last week, the Homestead Hombres garnered their third win of the season as

China Lake Intramural Basketball League (Standings as of Jan. 5)			
Team	Division	Won	Lost
The Pride	Division A	6	0
Time Out		4	3
Desert Motors		3	4
Homestead Hombres		3	4
Loewen's Chukars		0	5
Loewen's B	Division B	5	0
Turtles		4	0
Dispensary		2	3
The Heat		1	2
Night Stalkers		1	2
Low Doze		1	3
T.P.Q.		0	4
Gas Bags	Division C	6	0
Visitors		2	3
Floorburners		0	5

Bowling tournament honoring memory of Fred Dalpiaz slated

Men and women bowlers from throughout the local area are invited to enter the first memorial bowling tournament honoring Fred Dalpiaz, Jr., which will be held tomorrow evening at Hall Memorial Lanes on the Naval Weapons Center.

There is a \$5 entry fee, and registration is being handled at the Center bowling alley for competition that will begin at 6 and at 8:30 p.m. Saturday.

This is a singles championship tournament, and each entrant will bowl three games. The winner, whose name will be engraved on a perpetual trophy, will be determined by the highest score, including handicap of 80 percent of 200. Bowlers' averages for the 1977-78 winter season will be used in determining individual handicaps.

For those without established handicaps, men arbitrarily will be assigned averages of 150 and women 120. There will be prizes for one out of every ten entries in the tourney, Dean Ray, manager of the bowling alley, stated.

Fred Dalpiaz, Jr., a long-time resident of the local area and bowling enthusiast/

(Continued on Page 7)

Soccer match set at Davidove Field

Another game between the China Lake Soccer Club and the Lancaster United team is scheduled on Sunday at 1 p.m. at Davidove Field. On Dec. 10, these two teams battled to a 2-2 tie in a game played at Lancaster.

This past Sunday, the China Lakers were unable to overcome a 4-0 halftime deficit and lost by a final score of 7-3 to the Edwards Air Force Base soccer squad. This game was played at Edwards AFB.

Karl Kauffman, head coach of the China Lake Soccer Club, reported that a number of mistakes on defense in the game at Edwards AFB led to the disastrous first half.

During the free-scoring second half of the game, Klaus Schadow, center-forward, tallied twice for China Lake, and Steve Lee, right wing for the local squad, scored once, but the Edwards AFB team matched the China Lakers goal for goal to win the game by a final score of 7-3.

they knocked off Desert Motors by the score of 50-42.

The Hombres left the court at halftime with a narrow 23-21 lead, but managed to maintain the upper hand in the scoring department throughout the final 15 minutes of play.

Victor Jensen, of the Desert Motors team, was the game's high point man with 16. Tim Higgins and Don Branson led the Homestead Hombres with 15 and 11 points, respectively.

Both the Loewen's B team and the Turtles maintained their unbeaten records and remained tied for first place in Division B. After a low-scoring first half which ended with the Loewen's B team out in front 14-12, the league co-leaders came to life and romped to a 53-29 victory over the Lo Doze.

The Turtles ended up with a little more of a game on their hands when they clashed with the Dispensary cagers. A strong second half effort did it for the Turtles, who led 33-29 at the intermission, but finished the game on the long end of a 66-48 final score.

Terry McRoberts tallied 19 points in a losing effort for the Dispensary squad, and teammate Dave Taylor pitched in 12 more. Top scorers for the Turtles were Richard Peterson and David Green, who tallied 11 points each.

Two more wins were chalked up last week by the Gas Bags, who remained undefeated in Division C competition by blasting the

(Continued on Page 7)



PRESTIGIOUS AWARD — Floyd Wegley, right, receives the George Meany Award from Harry Thacker, president of the Indian Wells Valley Metal Trades Council, at a ceremony on Tuesday, Jan. 9. The award was presented to Wegley for his outstanding contributions to the Boy Scouts. — Photo by Ron Allen

Prestigious award for service to youth presented to Wegley

Organized labor's highest award for service to youth through the program of the Boy Scouts of America has been awarded to Floyd D. Wegley, a truck driver in NWC's Public Works Transportation Division.

Wegley, a member of the International Association of Machinists Desert Local 442, received the George Meany Award last Tuesday night in a ceremony held at the Community Center.

The George Meany Award is given to individuals who have made outstanding contributions to the Scouting program. The Kern, Inyo and Mono Counties' Central Labor Council of AFL-CIO headquartered in Bakersfield each year normally gives the award to one individual in one of 44 affiliated unions with a membership of over 12,000 persons.

First Presentation Here

"I believe this is the first George Meany Award that has been given to a union member in this area" said Harry Thacker, president of the Indian Wells Valley Metal Trades Council. During the presentation ceremony, he commended Wegley for over 14 years of volunteer leadership that has been above and beyond the required duties of a Scoutmaster.

Since 1971 Wegley has been the Scoutmaster of Boy Scout Troop 414, sponsored by the Rotary Club of China Lake, which includes handicapped males ranging from 10 to 30 years of age.

"Wegley has been a driving force that has kept alive the financial support of Local 442 for Boy Scouts' projects," Thacker stated.

Wegley is very proud of Troop 414. He claims that his "boys" may have a harder time understanding, but that only makes them work harder. There are presently five "boys" in the troop, but at one time there were eight.

"Two of my boys just recently earned the Vigil Honor of the Order of Arrow, which is the highest award given to handicapped Scouts," Wegley reported.

He went on to say that he sometimes has to act like a mother and father to them in their Scouting activities as he guides them down their separate paths to merit badges and in other aspects of Scouting. When the weather's good, he often takes them on one-day camping trips to nearby Sand Canyon or two-day excursions to Camp Jewett about 90 miles away.

In addition to working with handicapped Scouts, Wegley and his wife, Anna Mae, have made their home at China Lake a haven for foster children for a number of years. They have been foster parents to ten

children, some for just several months and others for many years.

"We have only one foster child living with us now," he said. "She has lived with us for five years, and we expect to keep her for several more." The Wegley's natural daughter, Shirley, is married and lives in Bakersfield. "She has given us two grandchildren who we adore," he continued.

Wegley has been a truck driver at China Lake for more than 32 years. Over the years he has driven about every piece of heavy equipment owned by Public Works, including cranes, road building equipment, water trucks, and semis.

A union spokesperson stated that the local area is fortunate to count the Wegleys as part of the community for they have enriched the lives of many young people.

CONSERVE ENERGY

ENERGY HOT TIP Want to cut down on sore throats, stuffy noses and winter colds, and save energy at the same time? A humidifier will do just that by reducing indoor dryness. This added moisture allows the mucous membranes to be more resistant to viruses and reduces moisture evaporation from the skin. Since evaporation produces the chill phenomena, its elimination will permit lower thermostat setting and significant savings in energy consumption. Call the Energy Answer Man at NWC ext. 3741 for solutions to your household energy problems.

Martin Luther King memorial service to be held on Monday

A memorial service commemorating the birthday of Dr. Martin Luther King, Jr., famous civil rights leader who was assassinated on April 4, 1968, will be held Monday from 11:30 a.m. to 1 p.m. at the NWC All Faith Chapel.

Capt. F. E. Whitaker, NWC's Senior Chaplain, announced Tuesday that everyone in the area is invited to visit the chapel for meditation during an organ recital, and to acknowledge Dr. King's birthday.

Dr. King, whose dream was the American dream that all men were created equal, is dead; but not his dream. It lives on in the hopes of all who seek a world of peace, fraternity, love and justice.

Dr. King received the Nobel Prize for Peace, but his life was far from peaceful; he practiced and preached non-violence, but he died a violent death.

Knowing that the cause he pursued might require his life, he said, "Every man should have something he would be willing to die for. A man who won't die for something is

Distribution of Vol. 2 of Naval Weapons Center history begins

Copies of "The Grand Experiment at Inyokern," Volume 2 of the Naval Weapons Center's history, were distributed this week to key offices on the Center and to local libraries. Copies for personal use will soon be available for purchase at the Maturango Museum.

Former POW to be speaker at National Prayer Breakfast

The Chief Petty Officers' Club will be the setting for the local observance of the National Prayer Breakfast, which will take place next Thursday, Jan. 18.

A complete breakfast will be served, starting at 5:45 a.m., and the program that will follow is to be concluded by around 7:15 a.m.

The program will be opened with an invocation, which will be followed by the pledge of allegiance, then remarks, and will close with the benediction.

The morning's inspirational message will be delivered by Cdr. R. A. Knutson, head of NWC's Military Administration Department. Cdr. Knutson was a prisoner of war in North Vietnam for 7½ years.

Music during the program will be provided by the Sweet Adelines' chorus, under the direction of Eleanor Hartwig.

This event, one of a multitude of similar services across the nation, will provide an opportunity for military and civilian personnel of the Naval Weapons Center to join one another for the common purpose of devotion and fellowship. All adults are welcome.

Due to the limited seating capacity of the CPO Club dining room, just 250 tickets (which are being offered for a donation of \$1 each) will be available for the prayer breakfast, which is being sponsored by the NWC All Faith Chapel.

The tickets can be obtained at the All Faith Chapel office or from representatives of the chapel's Protestant, Catholic, Hebrew, and Unitarian congregations.

David Wirtz is the chairman of the 1979 National Prayer Breakfast at NWC.

Co-authored by J. D. Gerrard-Gough and Al Christman, the book covers the significant span of events between the commissioning of the U.S. Naval Ordnance Test Station (NOTS, forerunner of NWC) in November 1943 and the dedication of Michelson Laboratory in the spring of 1948.

A fitting memorial to Dr. L.T.E. Thompson, the Center's first Technical Director, this volume describes two particularly important and contrasting periods in the Center's history.

Period Covered by Vol. 2

Included are the people, projects, and events of the era of cooperative effort during World War II between the scientists of the California Institute of Technology and the Navy staff at NOTS. Also described is the story of difficult postwar years of transition when the Navy assumed management of the research and development programs of CalTech.

The enlightened concepts of research and development management formulated by Dr. Thompson and the NOTS military and civilian team during this period were unique in their time.

Joint Effort Involved

As with the first volume, "Sailors, Scientists, and Rockets," this latest volume is a joint effort of NWC and the Division of Naval History, with the Center preparing the history and the History Division printing and distributing it through the Government Printing Office.

Both volumes of the Center's history are on sale through the Superintendent of Documents, Washington, D.C. In addition, the Maturango Museum has ordered "The Grand Experiment at Inyokern" and is taking orders for either volume through its gift shop which is open between the hours of 2 and 5 p.m. daily.

Passes need not be shown during peak traffic hrs. at gates

All personnel are again reminded that a valid NWC bumper decal on the vehicle they are driving is all that is needed to gain access to the Naval Weapons Center during peak traffic periods on work days between 6:45 and 7:45 a.m. and from 12 noon to 12:45 p.m.

Some persons are slowing traffic and causing a back-up of cars while searching for their passes, or are holding up traffic waiting for the guard to acknowledge their pass. The guards are not looking for passes, they are looking at bumper decals.

It was noted that the peak congestion at both gates appears to occur between 7:20 and 7:40 a.m. Some personnel have indicated that a 5 to 10 minute time change in their starting time from their homes appears to reduce the time needed to get through the gate.

One Way To Speed Up Traffic

The suggestion has been made that persons coming north on China Lake Blvd. should turn only into the right (south) access lane instead of trying to go across two lanes which blocks the flow of traffic from Inyokern.

Vehicles leaving the Center through the front gate and turning left onto China Lake Blvd. during peak traffic time also slow traffic considerably on Inyokern Road. It would help if left turns would be made farther west, such as at Norma Street.

Remember during peak traffic hours, only a valid bumper decal is needed to gain access to NWC. For those who do not have a valid decal or their decal is out-dated, there may be inconveniences.

The guards will not have time to give them individual attention at this time. They may be required to park their vehicle in the parking lot until the guard can safely and efficiently handle their problem.

All motorists are asked to do what they can to keep traffic flowing smoothly and safely.



Dr. Martin Luther King, Jr.



OFFICER PROMOTION — Rear Admiral William L. Harris, NWC Commander, congratulates Lt. Tom Van Brunt on his promotion to lieutenant commander, while his wife, Sandy, looks on. Lcdr. Van Brunt, NWC's Walleye Project Officer and Air-to-Surface Systems Officer for the Walleye Project, was transferred last month to the aircraft carrier USS Forrestal (CV-59), homeported at Mayport, Fla.

Michelson Lab Awards presented . . .

(Continued from Page 1)

"Project 21," and Fields' contributions to it have earned him a reputation as a national authority in matters related to instrumentation radar design.

Fields is employed as an electronics engineer in the Operations Support Office of the Range Department's Range Operations Division. He has been at NWC since 1965 when he came here to work as an electronics engineer in the old Test Department.

From 1967 to 1968 he attended the University of California at Berkeley, where he studied communication theory as a participant in the Weapons Control System Engineering graduate training program. Fields, who has a BS degree in electrical engineering which he received in 1968 from Chico State College in Chico, Calif., was reassigned from the Surface Missiles Department to the Test and Evaluation Department in 1974.

May was recognized for his outstanding effort and professional excellence while serving as head of the Electronic Warfare Department's HARM/Standard ARM Program Office. May began his Civil Service career at NWC in 1960 as an electronics engineer in the Engineering

Navy Exchange to begin special sales in all departments

The Navy Exchange Retail Store and Annex have scheduled special sales next week to prepare for their annual inventory on Saturday, Jan. 20.

A "Bargain Alley Clearance Sale" with 15 to 50 percent off in all store departments will be held on Monday. The sale items will include clothing, hardware, candy, cosmetics, sporting goods, and gardening equipment.

In addition, from Jan. 15 through 19 the Navy Exchange Retail Store will feature a 30 percent discount on a well-known set of encyclopedias. A 15-volume junior set will be given away on Friday, Jan. 19. Patrons need not be present to win.

During the same time period, the NEX Service Station will reduce the price of a brand name stereo and speakers 50 percent to authorized patrons. Then from Jan. 22 through Jan. 31, the service station will have an oil, filter and lubrication special for all American-built automobiles and pickup trucks.

The Navy Exchange also reported that on Monday, Jan. 22, the barber shop at Armitage Field will come under NEX management. Haircut prices and hours will remain the same as they are now. The barber shop at the airfield is open from 8 a.m. to 4 p.m., Monday through Friday.

Department and transferred later to the old Weapons Development Department.

From 1967 to 1971 he was employed at the Corona Laboratories of NWC in the Missile Systems Department's Program Management Office, and returned to China Lake when the Corona Lab functions were transferred here in October 1970. The following year he was promoted to the position of associate department head for programs in Code 35's Standard ARM Program Office.

May was graduated from San Diego State College in 1960 with a BS degree in engineering.

Stenger was cited for his outstanding technical leadership and managerial excellence while serving as the technical manager for the AIM-9M Sidewinder guidance and control design and development.

Stenger is head of the Electronics Branch in the Weapons Department's Electro-Optics Division. He has been employed as an electronics engineer at NWC since 1970, when he was graduated with a BS degree in electronics engineering from San Jose State College in San Jose, Calif.

Assigned initially to the Weapons Development Department, he has been with the Weapons Department since 1975.



MARINE PROMOTED — Vernon Jester, an intelligence specialist assigned to work with the MICRAD program at Thompson Laboratory, is congratulated by Col. L. A. Madera, USMC, head of the Marine Corps Liaison Office, following his recent promotion from gunnery sergeant to master sergeant in the Marine Corps. MSgt Jester, a veteran of 20 years of service in the Marine Corps, has been assigned permanently to NWC for the past two years. Prior to that time, he was here for seven months on a TAD assignment from Camp Pendleton.

Holders of NWC passes must have them in their possession on Center

All persons who have been issued a Naval Weapons Center pass are required to have the pass in their possession at all times — even if they are only a passenger in a vehicle that is entering or being operated on the Center.

Although passengers in vehicles normally are not required to display their NWC pass, it must be available to show to the gate guard if requested, according to a reminder issued this week by the Safety and Security Department.

At random, unannounced times, guards at the NWC main and south gates are required to check the passes of all persons in vehicles entering the Center. During these checks persons attempting to enter the Center have been found without their passes, and they have been required to obtain a temporary

Maturango Museum schedules annual meeting on Monday

The annual meeting of the Maturango Museum will be held on Monday at the Community Center. A no-host cocktail hour will begin at 6 p.m., with dinner scheduled to be served by the Museum Monday luncheon volunteers at 7 o'clock.

Following dinner, the guest speaker will be E. Verner Johnson of E. Verner Johnson and Associates, Inc., Architects/Planners of Boston, Mass. Johnson has been retained by the museum's board of trustees to create a master plan and preliminary design for a new museum building.

The topic of Johnson's talk will be the museum planning process; he will use examples from museums he has designed, including the preliminary design for a local structure. He will also show plans, film slides, and a model of the proposed new museum.

Museum members who do not plan to attend the dinner portion of the evening are invited to be present for Johnson's talk and the business meeting that will follow it. Along with a summary of the past year's activities, which will be given by Jim Baird, president of the museum board, there will be an election of new board members.

Nominees for the three positions now open on the board of trustees are Paul Colter, Jeff Grossman, Richard Hart, Dr. Gilbert Plain, and Dr. Marguerite Rogers.

pass at the main gate Visitor Center before entry was allowed.

Many such persons have merely forgotten to carry their NWC pass with them and must suffer the inconvenience of obtaining a temporary pass. When this happens, some people express their displeasure and hard feelings toward security personnel and the guards and pass desk employees suffer the major brunt of it.

"V" pass holders are also required to display their NWC pass during a spot check, however, they may still vouch for their passengers if they wish.

The periodic spot checks for valid passes is one of several programs conducted by the Command to increase the security of the Center and the personnel thereon. The results of these programs (in terms of numbers of unauthorized persons detected and prevented from entering the Center) have proven their worth and will be continued.

In an effort to reduce this problem, all persons are reminded that to gain entrance to the Center they must have an NWC pass in their possession and be prepared to display it if requested to do so.

Flu shots to be available next week at China Lake

It's flu immunization time for both military personnel and civilian employees of the Naval Weapons Center.

The Branch Clinic of the Navy Regional Medical Center will provide inoculations free of charge for Civil Service personnel on Mondays through Thursdays from 1 to 4 p.m. for an indefinite period in the clinic's Occupational Health Service office.

In addition, active duty and retired military personnel, as well as their dependents, can obtain protection against influenza on week days from 7:30 a.m. to 4:30 p.m. in the Branch Medical Clinic's immunization room.

For the convenience of those who work some distance from the Branch Medical Clinic, flu inoculation clinics will be held on Tuesday, Jan. 16, from 8 to 11 a.m., in the first aid station at Michelson Laboratory, and on Friday, Jan. 19, from 8 to 11 a.m., in the sick bay at Armitage Field.

Promotional Opportunities. . .

(Continued from Page 2)

Improper operation; makes adjustments or repairs; replaces control or other component parts. Tests for leaks using various methods and equipment. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to read and interpret blueprints, sketches, etc.; ability to troubleshoot pertinent equipment; ability to use tools and measuring instruments; ability to install, repair, or maintain pertinent equipment.

Boiler Plant Equipment Mechanic Helper, WG-5309-5, JD No. 622N, Code 2442 — This position is in the Public Works Department, Maintenance-Utilities Division, Electrical and HVAC Branch. The incumbent assists journeymen in installing, repairing, and replacing gas-fired heating equipment and evaporative cooling equipment. Replaces cooling pads, heating system air filters, cleans equipment and equipment rooms, and assists mechanics in the field as needed. Works under direct supervision of a boiler plant equipment mechanic or under detailed instructions from him/her. Work requires some lifting of heavy objects such as motors, blower shafts and rotor wheels. Requires kneeling, stooping, climbing ladders, and standing for extended periods. **Job Relevant Criteria:** Reliability and dependability; shop aptitude and interest; ability to follow instructions in shop, dexterity and safety; ability to work as a member of a team. (There is no known promotion potential in this position.)

Electronics Mechanic Helper, WG-2414-5, JD No. 638N, Code 2442 — (This position has no known promotion potential at this time.) Position is located in the Electrical and HVAC Branch, Power and Communications Shop, Public Works Department. The incumbent assists journeymen in the assembly, installation, maintenance and proof testing of intrusion alarm systems. Work requires some heavy lifting and working from ladders, scaffolds and platforms. **Job Relevant Criteria:** Reliability and dependability; shop aptitude and interest; ability to follow instructions in shop, dexterity and safety; ability to work as a member of a team.

Structural Ironworker, WG-3807-10, JD No. 219, Code 2443 — Works from blueprints, sketches and specifications. Performs structural iron work on repairs, maintenance, alteration and improvements on all types of building facilities. **Job Relevant Criteria:** Knowledge of fabrication procedures, including equipment, structures, metals, etc.; ability to layout and plan work; ability to use

safe erection procedures; ability to interpret blueprints, sketches, written, and oral instructions; ability to use hand and power tools; ability to do the work of the position without more than normal supervision.

Sheet and Plate Metal Worker, WG-3807-11, JD No. 530N, Code 2453 — This job is located in the Field Support and Utilities Branch, Range Shop, Public Works Department. Incumbent is responsible for the layout, fabrication, assembly and installation of prototypes and experimental parts and equipment made from various types of ferrous and non-ferrous metal and alloys. Performs electric arc welding, oxyacetylene welding, radio graph machine cutting, Job Relevant Criteria: Knowledge of materials, guides, etc.; computing and trade mathematics; layout and pattern development; ability to cut materials pertinent to the trade; ability to braze, solder, spot weld and gas weld; ability to use hand and power equipment (braking, forming, fastening, etc.); reading blueprints; ability to do sheet and plate metal work without more than normal supervision.

Maintenance Superintendent, GS-1401-13, PD No. 7824082E, Code 264 — This position serves as head, Maintenance and Utilities Division, Public Works Department. The incumbent supervises a work force of approximately 350 employees. He/she is responsible for the efficient utilization of manpower and materials to construct, operate, alter and repair all NWC facilities and utilities. Must constantly evaluate the organization and methods of work and job responsibilities to increase efficiency within one of the Center's largest divisions. He/she establishes production goals and work schedules, develops cost and budget analysis for forecasts and determines long range manpower requirements. **Job Relevant Criteria:** Knowledge of a maintenance and utilities organization; ability to supervise; organization and managerial abilities related to industrial production; personnel management knowledge; ability to plan and organize work and establish priorities in a complex work environment; thorough knowledge of NAVFAC maintenance and utilities management directives; must have knowledge of trade processes and operations related to a maintenance and utilities organization.

Telephone Operator, GS-382-3, PD No. 7826078N, Code 2626 — This position is that of a telephone operator in the Administrative Service Center, Public Works Department. The primary responsibility of this position is to

(Continued on Page 7)



VISITOR FROM PENTAGON — As a memento of his recent visit to the Naval Weapons Center, Army Brigadier General William Burdeshaw received an NWC plaque that was presented by Rear Admiral William L. Harris, NWC Commander. Brig. Gen. Burdeshaw, newly appointed to the office of Deputy Director Defense Test and Evaluation, was here for a general orientation on some of the Center's technical programs and the activities of Air Test and Evaluation Squadron Five. In addition to a test and evaluation overview that was presented by W. R. Hat-tabaugh, head of NWC's T&E Directorate, he was briefed on the AIM-9L Sidewinder and the Shrike/HARM programs and also taken on a tour of the Electronic Warfare Threat Environment Simulation Area.

New claim forms to reduce errors state CHAMPUS officials

The first in a series of new claim forms has been introduced by CHAMPUS officials who predict it will significantly reduce the number of claims returned to beneficiaries for additional or correct information.

Designated CHAMPUS Form 500, the 8½-by-11 inch form will be used by both CHAMPUS (Civilian Health and Medical Program of the Uniformed Services) and CHAMPVA (Civilian Health and Medical Program of the Veterans Administration) beneficiaries for non-institutional care from civilian providers such as physicians, pharmacies, medical suppliers, ambulance companies and laboratories. It will replace DA Form 1863-2, "Services and/or Supplies Provided by Civilian Sources (Except Hospitals)."

CHAMPUS Form 500 features clear, detailed instructions, particularly for troublesome areas that are likely to cause confusion. Several information elements have been included which will greatly assist the contractor in processing a claim speedily.

Although limited quantities should be available shortly, it is expected that the new form would be generally available by early November. Individuals with access to the new form are encouraged to begin using it immediately, but CHAMPUS contractors will continue to process non-institutional claims received on the old DA Form 1863-2 until Feb. 1, 1979.

Two-day seminar on better briefings to be held Jan. 29-30

L. L. (Verne) Reynolds of Management Skills Associates will lead a two-day seminar on better briefings in Rm. 201 of the Training Center, Jan. 29 and 30.

Each participant will be required to come with a five minute briefing he or she has prepared. The participant then works on the design and preparation of good visual aids, develops a carefully structured outline of his material, and continues to see himself in action on videotape.

NWC employees 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 Jan. 19.

Happenings around NWC

This afternoon at 4:30 is the deadline for those interested in clerical jobs this summer at the Naval Weapons Center to file applications to take the written examination that is required.

Such applications can be filed with the receptionist in the lobby of the NWC Personnel Building.

Previous applicants for summer clerical work who have received a notice of rating for 1976, 1977 or 1978 are not required to retake the written exam.

In order to be considered for non-clerical positions at NWC this summer, it is necessary to submit a completed form SF-171 and CSC 1170/17 no later than April 16, 1979.

Additional information can be obtained by calling NWC ext. 2657.

Counseling Offered

Dr. James Vigen and Dr. Roy Dull, two professors from California State University in Bakersfield, will be at China Lake on Tuesday to counsel students enrolled in or interested in business administration or public administration programs.

Both men are advisors for the bachelor's in business administration and master's degree in public administration programs that are offered here by Cal-State Bakersfield.

Appointments to see either Dr. Vigen or Dr. Dull, who will be here from 10:30 a.m. to 4 p.m. on Tuesday, can be made by calling NWC ext. 2359.



HONKERS — Identified flying objects, Canadian geese, took refuge on NWC's golf course last Friday during their southerly flight to Baja California. Tilly Barling, of the Natural Resources Management Office, says that China Lake is near the Pacific Flyway for geese. Normally they land and take off from here in large numbers during the night, but a few do winter over at China Lake.

Varied programs on Center offer opportunities for personal growth

By Mickey Strang

Those wishing to counter the Peter Principle by rising to the level of their competence have an unexcelled opportunity to do so at the Naval Weapons Center.

Not only are there 20 upward mobility billets to provide anyone in a dead-end career field with the chance to move into another, more promising career, but the apprentice program and the prejourneymen program also provide growth opportunities.

Career ladders exist in fields such as budgeting in which a motivated and talented individual can rise through the steps from clerk and budget clerk to budget technician to budget analyst. An active co-operative education program combines work on the Center and off-Center education to produce a degreed professional employee with practical experience in the field as well as technological expertise by the time that the degree is completed.

In Progress Three Years

The formal Upward Mobility Program has been functioning for three years. Its success is attested to by both the departments involved that use the Upward Mobility billets and by those to whom the program has opened new career vistas.

The Weapons Department (Code 39), for instance, has been so enthused over the quality of the people who have been available for the program that the department is using billets of its own in addition to the two Upward Mobility billets assigned to it.

Nils Wagenhals, head of staff for Code 39, says one reason the program works so well is that "through it we can get people trained in precisely the areas in which we need people. There's almost no other way in which we can get new technicians because there is so little adequate training available for them otherwise."

Valuable Part of Program

"One of the best parts of the Upward Mobility Program," says Wagenhals, "is that the candidates for these billets go through an assessment process to determine what their skills and abilities are. When we want someone for such a billet, we decide what the important elements of the job to be filled are, and then get the best possible match between a candidate's strong points and the abilities needed for the specific job."

While many of those who are entering the technician field through Upward Mobility are women, the program functions equally well for men. Greg Boske, for instance, has recently completed training through Upward Mobility to become a mechanical engineering technician; he had been a helper at the sewage plant.

"I saw an article about Upward Mobility in The ROCKETEER," he says, "and while I liked my job and my supervisor, I thought it might be interesting to try for something that would be even more satisfying, so I applied."

Boske, a native of Trona, had worked at the Kerr McGee plant following his

graduation from Trona High School. "I'd gotten as high on the ladder there as I could get, and the working conditions were much better for me and my family at the Center, so I came to work as a helper here," Boske said.

Boske was pleased about the thoroughness with which his talents and interests were assessed; he noted that he learned things about himself that he had not known. Just going through the assessment program was valuable in itself, he noted.

During the course of his training to become a mechanical engineering technician, a process involving courses at Cerro Coso Community College and on-Center as well as on-the-job experience, he discovered an interest in electronics and is now taking course work in that area too.

"My wife Vivian has also been enthusiastic about my being able to expand into a new career field," said Boske. (Youngsters Greg, age 8, and Stephanie, who is 7 months old, are not old enough yet to offer an opinion.)

"I'd recommend the Upward Mobility Program highly to anyone," Boske added.

Thirteen vocational nursing students to receive pins tonight

Thirteen vocational nursing students of Cerro Coso Community College will receive their pins and certificates of completion during a ceremony in the college's lecture hall, tonight at 7:30.

Those who will receive certificates are Lucille Bushnell, Cathleen Clayton, Cynthia Hart, Suellen Hauser, Robin Long, Johanna Maupin, Barbara Jo Price, Sharon Shilbey, Natalie Stone, Mildred Tamplin, Sharon Tomaras, Julie Ann Tsuru Walden, and Patricia Wisdom.

The awards will be presented by Alice C. Ream, R.N., director of vocational nursing at Cerro Coso College; and by Allene Shelton, R.N., and Nancy Turner, R.N., both instructors in the LVN program.

Rev. Ezra Turner, pastor of the Union Missionary Baptist Church, will present the invocation and benediction. There will be a reception honoring the new LVNs following the ceremony sponsored by the Ridgecrest Community Hospital's Pink Ladies' Auxiliary.

Guest speaker will be Dr. Marcia Michalik, pediatrician, Drummond Medical Group, while music for the reception will be provided by Ann Walden.

Lecture slated on high speed digital simulation

Dr. Granimo A. Korn, a professor of electrical engineering at the University of Arizona, will present a lecture on high speed digital simulation on Monday at 9 a.m. in Conference Room B, Michelson Laboratory.

Dr. Korn is a proponent of the use of low-cost computers for high speed digital simulation of mathematical models of physical systems. He has developed the widely used Differential Analyzer Replacement (DARE) computing system.

He will describe MICRODARE, a new high level language system for laboratory automation, signal processing, control, and simulation — an extension of the BASIC language processor that requires no external compiler, linker, or loader.

President Carter signs insurance benefits bill

President Jimmy Carter has signed into law a bill that reduces from 12 to 5 years the service needed for Federal employees to carry their health and life insurance benefits into retirement.

To continue coverage, however, Civil Service employees must retire on an immediate annuity, and must have had coverage under the programs for the last five years in which they were eligible.

—Photo by Sam Wyatt