

Ticket sale begins Monday for Navy Band concert on March 2

Tickets will go on sale Monday for two concerts by the U.S. Navy Band that will be presented on Friday, March 2, at the Center theater.

There will be a youth matinee at 1 p.m. and an evening concert at 7:30. Tickets, priced at \$1 each for the matinee program, and \$4 for general admission and \$2.50 for enlisted military personnel and students for the evening concert, will be sold in Ridgecrest at Loewen's, the Music Man and at Reagan's Hallmark Store in the Sierra Vista Shopping Center.

This local appearance of the U.S. Navy Band is being sponsored by the Desert Community Orchestra Association, and all proceeds above expenses are earmarked for music scholarships to be presented by the Desert Community/Cerro Coso Community College Orchestra.

Prior Concerts Sold Out

Prior concerts presented here in February 1977 by the U.S. Navy Band were sold out, making it advisable for local area residents interested in seeing and hearing this outstanding musical group to purchase tickets early, officials of the Desert Community Orchestra Association point out.

The U.S. Navy Band, more than 50 members strong, is led by LCDr. Joseph Phillips. In addition to the instrumentalists — ranging from percussion and piccolo to piano and harp — the band is accompanied by two vocalists, its own moderator, an audio engineer and a combination stage manager and lighting technician.

The band members travel in two buses and are followed by a truck which carries five tons of assorted musical instruments, plus all of the other equipment necessary to be self sufficient for two months. As many as 12 concerts per week are performed by a the U.S. Navy Band during its travels, which average 180 miles per day.

The U.S. Navy Band's service to America officially began on President Calvin Coolidge's inauguration day. On March 4,

1925, one of the President's first acts was the signing of a special bill recognizing the Washington Navy Yard Band as the permanent musical representative of the United States Navy.

The Navy Band made its first national concert tour in 1925. Since then, the band has performed approximately 3,300 con-



LCDr. Joseph Phillips,
U.S. Navy Band leader

certs in 2,000 cities for audiences that total more than two million persons.

On tour, the band must be self-supporting. The Navy does not ask Congress for the money required to feed, house and transport this large organization while it tours the country.

For this reason, the band is sponsored by some group in each community which guarantees to pay its expenses, as the Desert Community Orchestra Association has done here.

Theater tokens now on sale at gym office

Tokens that are good for admission to the Center theater can be purchased at the gymnasium office, Monday through Friday between the hours of 7:30 a.m. and 4 p.m.

The tokens, which cost 75 cents, each, may be used for admission to any movie scheduled at the theater. By purchasing them, theater-goers can avoid the necessity of standing in line to buy tickets.



Commissioned Officers' Mess

Tonight is "Membership Night" at the Commissioned Officers' Mess. Featured for the dancing and listening pleasure of COM members and guests will be the "Sounds of Time," a country and rock music group from the local area led by Tony Scanlin.

Main entree on the dinner menu this evening will be steamboat round of beef, which will be served from 6:30 to 9:30 p.m.

The cost for the evening of dining and dancing will be \$3 for members and their spouses, and \$4 for guests.

CPO Club

Once again a reminder that on Saturday, Feb. 24, the Chief Petty Officers' Club will host the annual CPO Military Ball.

This annual dinner-dance will feature a six-piece band, and is in honor of all chief petty officers.

On the menu will be a full course dinner consisting of prime rib of beef, dinner wine, tossed salad, potato, and vegetable.

Tickets can be purchased at the CPO Club office. Attire for the evening will be semi-formal.

Vietnam's impact on U.S. military leadership topic at ASPA meeting

Dr. Ronald J. Stupak of the Federal Executive Institute (FEI) will discuss "The Impact of Vietnam on Military Leadership" at an open meeting of the East Kern Chapter of the American Society for Public Administration (ASPA). The meeting is to

WACOM to hear noted humorist at luncheon on Tuesday

John Robert Clark, humorist and philosopher, will be the guest speaker at the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) luncheon to be held at the COM on Tuesday.

Clark will speak on "The Importance of Being Imperfect." This stimulating and witty talk was also the title of his best-selling novel, which has had four sellout printings in the United States.

The meeting will begin with a social hour at 11 a.m., followed by the luncheon of



John Robert Clark

cheese souffle, tossed salad, and strawberry shortcake served at 11:45 a.m. Clark will speak after the lunch.

Cost of the luncheon will be \$3.75. Information on reservations may be obtained by calling Shirley Sutton at 375-9179.

WACOM is planning a special evening at the COM on Friday, Feb. 23. It will feature a Mexican buffet, an old-fashioned melodrama put on by the China Lake Players, and disco dancing.

New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are 12 noon to 9 p.m., seven days a week (excluding holidays).

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

FICTION

Ronald F. Delderfield — Stop at a Winner. Hugh Fleetwood — The Order of Death.

Ursula K. LeGuin — Planet of Exile.

Philip McCutchan — Halfhyde to the Narrows.

Robert Newton Peck — The King's Iron. Jennifer Wade — The Singing Wind.

NON-FICTION

Peter Berger — Facing Up to Modernity; Excursions in Society, Politics, and Religion.

Joyce Brothers — How To Get Whatever You Want in Life.

Mary Lewis Coakley — Rated X; The Moral Case Against TV.

John Kenneth Galbraith — Almost Everyone's Guide to Economics.

Philip Howard — New Words for Old; a Survey of Misused, Vogue and Cliche Words.

Sheila Tobias — Overcoming Math Anxiety.

be held at the Commissioned Officers' Mess on Tuesday, Feb. 28, at 8:15 p.m.

Dr. Stupak, who is a professor of Political Science and Contemporary Affairs at the FEI in Charlottesville, Va., will discuss the fallout of the nation's involvement in the Vietnam War on the leadership role of the military officer and on civilian-military relations.

Prior to his appointment to the FEI faculty, Dr. Stupak taught at Miami University. He has served as lecturer or consultant to such distinguished institutions as the Naval Air Executive Institute, National Security Administration's Institute for International Affairs, the CIA, and the John F. Kennedy Institute for Security Assistance.

The evening meeting will be preceded by a Cornish game hen dinner in the Mojave Room of the COM; cost of the dinner is \$6 per person. A social hour will precede the 7 p.m. dinner, and the program will follow.

Reservations for dinner must be made by the close of working hours next Friday, Feb. 16. Reservations may be made by calling Linda Roush, at NWC Ext. 3032; Mickey Strang, Ext. 2027; or Fred Nathan, Ext. 3871.



FRIDAY FEBRUARY 9
"THE WINGS OF AN EAGLE"
Starring
Ed Durden and Kent Durden
(99 min., rated G)

SATURDAY FEBRUARY 10
"FREAKY FRIDAY"
Starring
Barbara Harris and Jodie Foster
(98 min., rated G)
1:30 Matinee—regular adm.

"BAKERS HAWK"
Starring
Clint Walker and Burl Ives
(97 min., rated G)

MONDAY FEBRUARY 12
"HOOPER"
Starring
Burt Reynolds and Sally Field
(100 min., rated PG)

WEDNESDAY FEBRUARY 14
"ONE MAN JURY"
Starring
Christopher Mitchum and Jack Palance
(104 min., rated R)

FRIDAY FEBRUARY 16
"KEOMA (THE AVENGER)"
Starring
Franco Nero and William Berger
(87 min., rated R)

SATURDAY FEBRUARY 17
"DIGBY THE WORLD'S BIGGEST DOG"
Starring
Jim Dale and Angela Douglas
(89 min., rated G)

1:30 Matinee—regular adm.
"THE SWARM"
Starring
Michael Caine and Katherine Ross
(116 min., rated PG)

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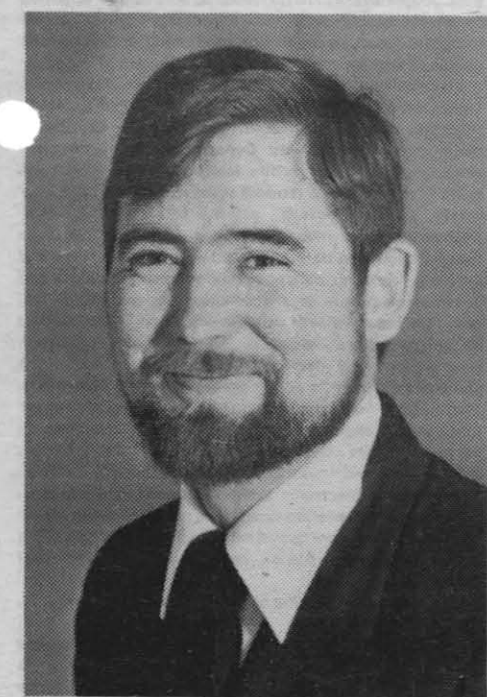
Naval Weapons Center
China Lake
California

February 9, 1979
Vol. XXXIV, No. 6

Former Bluejacket at NWC wins Navy Commendation Medal

A Navy Commendation Medal and citation for PN1 Samuel C. Thompson, assistant supervisor of the Military Personnel Division at the Naval Weapons Center prior to his departure from China Lake last Dec. 1, was received here this past Monday by the Military Administration Department.

The citation, signed by Admiral T. B. Hayward, Chief of Naval Operations, was in recognition of PN1 Thompson's heroic



PN1 Samuel C. Thompson

achievement which resulted in saving the life of a 12-year-old boy who had been caught underwater in a drain pipe inlet while swimming at the Minvielle Park pool on June 3, 1978.

Victim of the near-drowning mishap was 12-year-old Jeffrey Bolton, who was swimming along the bottom of the pool when one of his hands was twisted and

Opportunities available here to blacks hired by panel of craftsmen, artisans

A five-member panel of Naval Weapons Center craftsmen and artisans reviewed their individual careers and discussed opportunities available to blacks at NWC during the second session of the Black History Week program here on Tuesday afternoon.

Panel members were Clifford Smith, a model maker foreman in Code 36; Bill Hawley, an artillery repairer in Code 62; John Haywood, a warehouseman in Code 25; Will Carey, a physical science technician in Code 32; and James Thompson, an automotive mechanic in Code 26.

The panel members, while reviewing their careers, provided information on how they came to work at NWC. They all indicated that because of their race they had been required to work harder to achieve their particular goals.

While the problems they encountered initially because of being black did apparently hinder faster progress, they felt that hard work had overcome most of the difficulties.

In discussing the impact of advancing technology on their careers, it was the consensus of the panel members that it is necessary to study to keep up with advances. In general, however, advancing technology has not made any changes in the prospects for future employment, it was added.

Smith began his career as a machinist

drawn into the drain pipe inlet.

Without hesitation, Petty Officer Thompson dove to the bottom of the pool and made several unsuccessful attempts to rescue the youth. After surfacing for air, he once again dove to the bottom of the pool and was able to effect the rescue of the nearly drowned youth.

In the citation which accompanied the Navy Commendation Medal, Petty Officer Thompson was commended for "extraordinary effort and unswerving courage in the face of personal danger which was directly and solely responsible for the saving of a human life."

A naval message containing the information about the awarding of the Navy Commendation Medal to PN1 Thompson was sent Monday afternoon to the Redstone Army Arsenal in Huntsville, Ala., where (for the past five weeks) Petty Officer Thompson has been undergoing indoctrination and training in preparation for attending the Navy's Explosive Ordnance Disposal (EOD) School at the Naval Ordnance Station, Indian Head, Md.

PN1 Thompson was scheduled to (Continued on Page 4)

Black History Week observance

Talk on what constitutes progress, influence of black people in areas of technology presented

A talk on the subject of what constitutes progress and the influence of black people in the areas of technology and world economy launched the local observance of Black History Week, which began with a lecture on Tuesday morning at the Community Center.

The speaker was Dr. Kenneth Maloney, manager of the Materials Analysis Area for the Xerox Corp. in Rochester, N.Y., who observed that progress doesn't necessarily

mean a 3-car garage or a bigger home than someone else.

His remarks were presented before an audience of approximately 100 Naval Weapons Center managers, supervisors and other interested employees.

Progress can mean how much a person is getting out of life. How well he does his job or, in other words, progress is basically individual betterment, Dr. Maloney said.

He related a story about a friend of his who, during the McCarthy era, had spent six years in Russia under an exchange program. When this friend tried to get a job with another company on his return to the United States, no one would hire him. Finally, the friend was employed by General Electric and he did a tremendous job.

Despite his difficulties, the friend said that after spending those six years in Russia he was convinced the United States was still the greatest nation in the world. "In this country, there is almost a catalytic process

of generating ideas because of the many different cultures and backgrounds working together," the speaker noted.

"I think that of all the countries in the world, the United States has the potential to advance mankind the furthest, even more so than it has done in the past," the friend had remarked to Dr. Maloney.

The latter stated that the Xerox Corp. managers have social commitment as well as a business commitment to society at large. They are appraised every year on how they meet certain social goals.

After talking about the impact of black engineers and scientists on American society as a whole, he said one fact would always remain true. People who do their jobs well will have low visibility and they will not get much notoriety. Those who don't do their jobs may get visibility, but it could also mean their eventual dismissal.

People Today "Intelligent Cavemen"

Dr. Maloney pointed out that the people of today are actually rather intelligent cavemen who have developed highly sophisticated weaponry. "We are rather backwards socially. If the U.S. fouls up, there won't be too many second chances for further social development, we will all be gone in a nuclear flash. But with all the faults of the U.S., I find that there is a constant effort to overcome them," he emphasized.

He told the audience that each individual must take the first step, no one else would do it for them. Some individuals will still try to hold minorities back and they have to be dealt with, he added.

"Don't give up," Dr. Maloney cautioned the audience, then continued... "If you are going to do a job well, you have got to know who you are. You can not make the mistake of believing you are any better than anyone else. If you know your job and do it well, you can't help but have a constructive impact on anybody around you."

Dr. Maloney said that government and industry must get the best people available (Continued on Page 3)

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BLACK PROGRESS TALK — Dr. Kenneth Maloney, manager of the Materials Analysis Area for the Xerox Corp. in Rochester, N.Y., talks about "Technology and the Black Peoples' Influence on World Economy" at the Naval Weapons Center on Tuesday morning. About 100 Centerites attended the first session of the Black History Week program in the Community Center.



PERSONAL CAREERS DISCUSSED — Five Naval Weapons Center craftsmen discuss their own experiences in competing in a world of advancing technology during presentations on "Black Progress in America" at the Community Center on Tuesday afternoon. Presenting their views are (l.-r.) Bill Hawley, Code 62; Clifford Smith, Code 36; John Haywood, Code 25; Will Carey, Code 32; and James Thompson, Code 26.

—Photos by Ron Allen



PATENT AWARDS PRESENTED — Dr. E. B. Royce (at left), head of the Research Department, presents patent awards to (l. to r. front row) Dr. Ronald Atkins, Dr. Donald Decker, and Dr. Ronald Henry; (l. to r. second row) Dr. Arnold Nielsen, John Pearson, Robert Hintz, and Dr. Carl Heller; and (l. to r. third row) Dr. Russell Reed, John Rahn, and James Jernigan. — Photo by Clare Grounds

Patent awards presented to ten NWC Research Dept. employees

During a recent ceremony held in the office of Dr. E. B. Royce, head of the NWC Research Department, patent awards were presented to 10 of the employees in his department.

The recipients were Dr. Ronald Atkins and Dr. Arnold Nielsen, research chemists, Dr. Carl Heller, chemist, and Dr. Ronald A. Henry, senior scientist, all of the Chemistry Division; Dr. Donald Decker, research physicist, James L. Jernigan, physicist, and John P. Rahn, physicist, from the Physics Division; and John Pearson, head of Detonation Physics Division.

Other patent award recipients were Robert T. Hintz, laser physicist, Sensor Systems Division; and Dr. Russell Reed, research chemist, Aerothermochemistry Division.

Anthony San Miguel, a mechanical engineer, in the Exploratory Development Branch of the Electromechanical Division of NWC's Fuze and Sensors Department, also received a patent award.

Patents received included: Dr. Atkins, "A New Blue-Green Laser Dye;" Dr. Nielsen, "Procedure for Making Trimethylo-methane;" Dr. Heller, "Determination of Total Organic Nitrogen in Water;" Dr. Henry, "Water-Soluble Fluorescing and Lasing Dyes;" Dr. Decker, "Optical Notch Filter;" Rahn, two awards, "Surface Acoustic Wave Tuning for Lasers" and "Laser Tuning With an Acousto-Optic Lens."

Other patent recipients were Pearson, **AFGE to meet Monday**

The American Federation of Government Employees, Local 1781, will hold its next regular monthly meeting on Monday, starting at 7 p.m., at 65-B Halsey Ave., China Lake.

Local 1781 is the exclusive representative of a unit composed of those non-supervisory civilian employees of the Police and Security Operations Division, Safety and Security Department.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California
Rear Admiral William L. Harris
NWC Commander
R. M. Hillery
Technical Director
Dr. Robert H. Pearson
Head
Technical Information Department
Don R. Yockey
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Ernest Sutton
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Editorial Assistant
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Staff Photographer



DEADLINES
News Stories
Photographs
Tuesday, 4:30 p.m.
Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NWP-R P-35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.
Phones 3354, 3355, 2347

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 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Budget Clerk, GS-501-3/4, PD No. 7708015N, Code 083, 2 vacancies, intermittent work schedule (WAE) — The incumbent will assist budget analysts and RMAs with preparation of overhead and technical budgets and may be assigned, on a rotating basis, to one or more departments on Center to provide financial support such as monitoring expenses on job orders and customers order numbers, preparing journal entries, etc. Job Relevant Criteria: Demonstrated ability to meet deadlines under pressure; ability to work rapidly and accurately; ability to work with figures; and knowledge of accounting or budget clerical procedures. Promotion potential: GS-5.

File applications for the above with Tina Rickdale, Bldg. 34, Rm. 206, Ph. 2674.

Supv. Electronics Engineer, GS-655-12/13, PD No. 7939008E, Code 3934 — This position is head, Systems Integration and Evaluation Branch, Code 3936. The functions of the branch are to design and develop methods for integrating components into airborne weapon systems; to specify weapon/aircraft interface requirements and evaluate weapon/aircraft interface techniques; and to design and conduct ground, captive and free flight test programs of tactical airborne weapon systems. The incumbent supervises system engineering flight evaluation and integration for weapon systems under development, provides liaison and consultation to off-center groups in area of weapon system integration, support, and operational use; plans work efforts and provides direction for branch personnel in design, specifications for system interfaces, aircraft, ground support, and test equipment associated with systems under development. Job Relevant Criteria: A broad engineering background which includes experience in aircraft/weapon system interface requirements; test and evaluation of airborne weapon systems, both free flight and captive; weapon system support functions (logistics, training, manuals, etc.); ability to plan and guide the work of others; GS-13 grade level subject to classification by WFD, OCP.

Communications Clerk, GS-394-4, PD No. 7325009N, Code 3123 — Status eligible accepted. The incumbent validates requirements for additional radios; aids in analysis of justification for circuits; processes service requests and authorizations and spot checks in the field to ensure completion; gathers traffic analysis data; assists in planning and layout of telephone system; interfaces with International Telephone Co. on processing and billing of telephone service. Job Relevant Criteria: Ability to type; ability to establish personal contacts; ability to gather data.

File applications for the above with Leah Reusche, Bldg. 34, Rm. 206, Ph. 2674.

Supervisory Firefighter, GS-481-4, PD No. 784009, Code 242 — This position is located in the Fire Division of the Safety and Security Department. Incumbent is crew chief of the major piece of motorized fire fighting apparatus and its crew. Duties include answering fire alarms, instructing crew in fire equipment and all phases of fire fighting and directing fighting of fires in absence of higher authority. Job Relevant Criteria: Knowledge of fire prevention practices and ability to supervise and conduct inspections and identify fire hazards; ability to communicate with others effectively both orally and in writing in working out solutions to problems or questions relating to the work; potential to motivate, train, and work effectively with subordinates who have a variety of backgrounds and training; ability to plan own work and carry out assignments effectively; demonstrated potential ability to plan initial attack including rescue and the efficient control and extinguishments of fires; knowledge of locations (streets, water distribution, alarm/detection systems, building contents/layouts, etc.). This announcement will be used to establish the promotion register for Supervisory Firefighter, GS-481-4, which will remain in effect until August, 1979.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 206, Ph. 3118.

Procurement Clerk (Typing), GS-1104-3/4/5, PD No. 7425039N, Code 2325 — This position is located in the Contract Negotiation Branch, Contracts Division, Supply Department. Incumbent will process contract documents including accuracy and correct clause content and typing in final format. Will also perform other clerical duties such as compiling data and preparing various reports. Job Relevant Criteria: Knowledge of procurement methods; ability to interpret instructions; ability to meet and deal effectively with others; ability to meet deadlines under pressure.

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

Motor Vehicle Operator, WG-5703-08, JD No. 538N, Code 2478 — This position is in the Transportation Division of the Public Works Department, NWC. The incumbent drives vehicles either on a specific trip basis or on a regularly established route and schedule to transport material and equipment. Hooks and unhooks trailer from "fifth wheel" tractor; checks material loaded or delivered against manifests; keeps trip records and logs; inspects air hoses and connections in braking systems; checks lighting lines; reports any defects in vehicle operations, accidents, damages, or traffic violations; cleans assigned vehicles; performs minor maintenance on vehicles and equipment he is using; performs additional duties as required. Job Relevant Criteria: Must pass all required driver examinations; must be able to operate all vehicles; maintenance of motor vehicles; work practices; reliability and dependability as a motor vehicle operator; ability to operate motor vehicle without more than normal supervisory attention.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 210, Ph. 3022.

Materials Engineer, GS-604-11/12, PD No. 7831144, Code 3183 — This position is located in the Systems Survivability Branch of the Survivability and Lethality, Air Targets Division. The incumbent conducts studies, experiments and analysis of aircraft structural materials to reduce their vulnerability to combat damage. Particular emphasis is on advanced composite materials and metallic materials' response to inflight and ground fires and ways

to improve fire tolerance. Job Relevant Criteria: Experience with aircraft materials and design practices as applied to advanced composites; and experience with testing techniques and data analysis as related to fire testing.

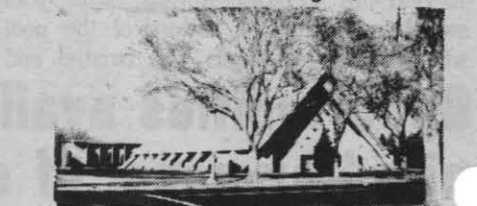
Clerk-Typist, GS-323-3/4, PD No. 7931029, Code 3184 — This position is in the Survivability/Lethality Facilities Branch, Survivability and Lethality Division of the Systems Development Department. The incumbent receives incoming calls and greets visitors to the office and directs them to appropriate individuals. The incumbent reviews all outgoing official correspondence for format and correctness. The incumbent is responsible for the formal preparation of official correspondence originated by the branch; receives the necessary background information, usually a handwritten draft, and types it in correct format; then submits the finished report and/or letter for approval. The incumbent is responsible for maintaining test facility, technical and administrative files. Job Relevant Criteria: Must be able to shift attention from one subject to an entirely different one without undue confusion; must be capable of functioning with minimum guidance and supervision; must be a qualified typist.

Electronics Engineer, GS-655-11/12, PD No. 7931028, Code 3184 — This position is in the Survivability/Lethality Facilities Branch, Survivability and Lethality Division of the Systems Development Department. The incumbent develops long range facility instrumentation plans and goals to assure that a modern instrument capability exists. Technological areas of interest are: Microprocessors, microwave data links, optical data transmission, and data acquisition systems. Designs and develops electronic data acquisition systems. Designs and develops electronic data acquisition systems which improve the capabilities of existing equipment. Circuits may be analog, digital, video, or RF. Conducts evaluation programs of new electronic instrumentation equipment and systems prior to acceptance for facility operations. Technically directs personnel (engineers, junior professional engineers, and technicians) engaged in various phases of electronic design, development, evaluations, and investigation. Job Relevant Criteria: Experience in electronic system design; digital, analog, and test instrumentation experience; capable of preparing technical notes, reports, systems and equipment operating and repair instructions, correspondence, and oral presentations.

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

Secretary (Typing), GS-318-4/5, PD No. 7932007, Code 3201 — (Promotion potential GS-5) Incumbent is secretary to the associate department head, Ordnance Systems Department. Takes messages; maintains calendar; maintains associate's files; screens, routes incoming information for action; screens callers and visitors, referring to appropriate personnel; makes travel reservations; schedules meetings and appointments; types smooth drafts; prepares complex technical reports from notes and handwritten drafts. Uses judgment to compile pertinent documents and background information for supervisor; establishes and maintains supervisor's files. In addition to secretarial duties, provides clerical

(Continued on Page 4)



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1000
Sunday School — All Ages 0845
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant.
Communion Service first Sunday of the Month.

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

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

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

RELIGIOUS EDUCATION CLASSES
Sunday First through 6th 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
UNITARIAN
CHAPEL ANNEX 95
Services — (Sept. - May) 1930

OTHTC runners do well in Bakersfield marathon event

Scotty Broyles, president of the Over-the-Hill Track (OTHTC) at China Lake, placed first in his age group, 50-59, in the Bakersfield Marathon held last Saturday, with a running time of 3 hrs. and 19 min. for the 26.2 mile distance.

The marathon, sponsored by the Bakersfield Track Club, drew a field of about 160 participants, compared to 75 runners in 1978.

OTHTC runner Tom McMahon in the 30-39 age group scored a 7th place with a running time of 2 hrs. and 56 min. This was 8 min. faster than his previous best effort in the marathon run.

In the 40-49 age group, OTHTC had three runners who finished the marathon. They were Dave Rugg, 3 hr. 8 min for 6th place; Norm Neiberlien, 3 hrs. 15 min. for 9th place; and Alex Shlanta, 3 hrs. 18 min., which earned him 11th place. Rugg's time was 8 min. better than he had done previously, while Shlanta turned on the coal to beat his own previous best mark by 12 min.

In the half marathon, (13.1 miles) Harold Berquist of OTHTC placed 5th in the 20-29 age group with a time of 89 min., while Ann Teppo in the 30 plus group had a running time of 2 hrs., 4 min., as she completed her first half marathon event.

Broyles reported that the weather in Bakersfield was almost ideal for running with only a slight amount of ground fog. The sunshine created a little steam effect from the roads and fields at mid-morning, he said.

Merchandise prizes were awarded to the runners by a drawing with Neiberlien winning an electric popcorn popper and Shlanta, a bathroom scale.

Trophies for the first three places were presented in each age group, and medals were awarded up through 10th place in the marathon and to 5th place in the half marathon. The runners with the overall best time for men and women also earned a wrist chronograph.

Rec. Roundup . . .

(Continued from Page 6)

bowling tournament sponsored by the Indian Wells Valley Women's Bowling Association.

Action will get underway at 9 a.m. and continue until 10 p.m. on Saturday. Tournament bowling will resume at 9 a.m. Sunday and continue until around 7 p.m.

There are 89 doubles entrants and 178 bowlers entered in the singles competition. The tournament began last weekend with the team event at the Ridgecrest Bowl.

Judo Competition Stated

The 11th Naval District's judo championship competition will be held on Sunday, March 4, at the Naval Training Center in San Diego.

NWC military personnel interested in taking part in this event must contact Paul Baczkiewicz, athletic director, by calling NWC Ext. 2334/2571 no later than Tuesday, Feb. 13.

New Equipment Available

Isometric equipment has been obtained for use by students enrolled in the women's physical fitness class. The group meets on Mondays from 7 to 9 p.m. in the old Youth Center building (next door to NWC gym).

The first hour of the exercise class, which is taught by Kelly Moulton, is followed by exclusive use of the weight room in the gym and racketball court No. 2 by women from 8 to 9 p.m.

This class is open free of charge to women military personnel and Athletic Association members. Others will be charged \$1 per session or \$6 for three months.

Youth Gym Holiday Schedule

Because of the public school holiday on Monday, which is the anniversary of President Abraham Lincoln's birthday, the youth gym will be open from 1 to 9 p.m. on Feb. 12.

employee in the spotlight

By Ernest R. Sutton

"I find a certain amount of art in both music and mathematics. There are regimens in both. In music you have scales and exercise and it is the same with mathematics," states Ray Blume, a mathematician at the Naval Weapons Center.

He emphasized that scales and exercises in music and in math are not the end, but just the means of what you would like to put to work for you, either performing or on the job.

Two separate BA degrees

Blume speaks from experience since he holds bachelor of arts degrees in both mathematics and sacred music.

He earned his BA degree in sacred music at Covina Baptist College in 1958. This was followed by a degree in math from the University of California, Riverside, in 1960.

Blume takes both music and mathematics seriously.

On his job in Code 3182 he is involved in computer simulation of end game analysis, which involves the last few milliseconds of target-missile intercept. In this light, he is particularly interested in the fuze portion of the interaction between targets and missiles.

He teaches FORTRAN fundamentals

In addition, Ray is teaching classes in the "Fundamentals of FORTRAN," a computer program language class. The course, sponsored by the NWC Computer Center, is held two days a week for four weeks. Each session is three hours long.

"I have always felt that FORTRAN could be taught from a different standpoint," Ray said, "so that students would get more from it; consequently when I was asked to do it, I said 'sure.'"

He states that his class approaches FORTRAN more from the idea that it is something that students are going to use in their work, rather than the theoretical type of presentation.

Ray has kept just as active in music as he has in mathematics. Shortly after graduating from UC Riverside he went to work for the Navy in 1960 as a mathematician in the Fuze Department of the Naval Ordnance Test facility at Corona. When the department moved to China Lake in 1970, he came with it. He just recently transferred from Code 33 to his present position.

Since coming to the desert, Ray has also been very active in music spending from 15 to 20 hours of weekly off duty hours either teaching music and being an organist or directing the choir at church services.

Plays for services at All Faith Chapel

For the past seven years, Blume has served as one of the organists for Protestant Congregation services at the All Faith Chapel and has for two years directed the brass ensemble, which has played for both Catholic and Protestant services there. In

Scales and exercises in music or math are not the end, but rather the means to perform a job . . .

Ray Blume



addition, he has found time to act as choir director at the Grace Lutheran Church in Ridgecrest.

He is presently teaching three students on the organ, one under a chapel scholarship program and the other two as private students.

Although he says it is not his forte, Ray also has taught voice. He was the choir director for the Cerro Coso Community College for about two years. That was while the college campus was still at Burroughs High School.

Ray was born in Corona but spent most of his growing up years in Riverside, where he was graduated from Riverside Polytechnic High School in June 1948. After a two month vacation, he joined the Air Force in August 1948 for a four year enlistment. When he left the service in July 1952, he held the grade of staff sergeant.

"I took a job at Kaiser Steel as a stores clerk but after a couple of weeks I decided that this was no way to go," Blume said.

It was at this point that he entered Riverside City College, but because he was undecided about his goal in life, Ray started out by taking courses in chemistry and business. In the beginning of his second year, he decided to change his major to music, and completed his music studies at Covina. Still not satisfied after getting his music degree, he returned to school in Riverside for his mathematics degree.

He met his wife, Ruth, at church and they were married in June 1955, while attending Covina Baptist College. The Blumes now have three children, Mary, 19, who attends Riverside City College; Ben, 17, a senior at Burroughs High School; and Tom, 15, a sophomore at Burroughs.

Son, Ben, shares his interest in music

Sharing his interest in music is Blume's son, Ben, however in an entirely different realm. "Ben is into rock music. For about two years he has been playing keyboard for a local rock group and has written some rock music," Blume stated.

Blume says that although he doesn't care for some kinds of rock music, with three teenagers, a person learns to tolerate some of it. There are some sincere rock artists who are putting out some great work.

Ray doesn't find his daily switch from math at work at NWC to music at home or in church that difficult to do.

"I try to be problem oriented," he explained, continuing "I have more or less approached music from the same perspective as my work, and, as a result, I am pretty much performance oriented in music. I just enjoy sharing skills and knowledge with people and that is why I now teach both FORTRAN and the organ."

Burros varsity cagers continue to win close games . . .

(Continued from Page 6)

21 points, and climaxed his topnotch efforts for the evening with 11 consecutive unanswered points in the fourth quarter that came at a time when the Cowboys had cut the BHS lead to 42-41.

Drake's fourth period heroics and a long-range swisher by Ron Garrett boosted the Burros lead to 55-41. From that point on in the final period it was a downhill pull for Coach Larry Bird's charges, who outscored the Cowboys 19-8 to defeat the visitors and avenge a 56-54 loss Jan. 9 on Canyon High's home court.

The Burros varsity hoopers got off to a slow start against their counterparts from Canyon High, and were trailing by a score of 17-8 at the end of the first quarter.

Recovering from their lethargy, the BHS

cagers rallied in the second period — finally knotting the count at 27-27 on a basket by Mike Wirtz with 20 sec. left to play before the halftime intermission. Two charity tosses by Dave Cordle enabled the Burros to go into the locker room with a 29-27 lead after two periods of play.

The outcome remained in doubt, even though the Burros led throughout the third quarter. Showing what they were capable of doing, the Cowboys tallied 5 points in the last 23 sec. of the third period, thereby cutting an 8-point Burros' lead to a 3-point margin of 42-39 as the final period of play began.

A single basket by Terry Kaldhusdal of Canyon made it a 42-41 ball game and set the stage for Drake's scoring rampage.

In addition to Drake's 25 points, Garrett

pitched in 14, and Mike Wirtz and Steve Motte had 11 and 8 points, respectively, for Burroughs. Kaldhusdal's 18 points was tops for the visitors from Canyon High.

The Burros hit 28 field goals and cashed in on 10 of 22 attempts at the free throw line. The Cowboys made good on 18 field goals and were 11 for 16 at the charity stripe.

Applicants sought for seasonal firefighting jobs in California

Applications for jobs as seasonal firefighters with the California Department of Forestry (CDF) must be made this month at CDF headquarters offices statewide, according to Gervise Nash, region chief, in Fresno.

Hiring will not start until early summer but application forms must be completed and returned during February.

Locally in the eight-county South Sierra Region, which includes China Lake, 230 temporary jobs will be filled out of a statewide total about 1,050.

Application forms and specific hiring information may be obtained from any CDF region or ranger unit headquarters during regular business hours. The closest one to China Lake is the Tulare Ranger Unit at 1968 S. Lovers Lane, Visalia, Calif.

To obtain further information applicants may call (209) 732-5954.



Recreation Roundup

Racketball court schedule changed by painting work

Full use of the racketball courts at the Center gym will not be available during the period from Feb. 12 through 26, it was reported this week by the Special Services Division.

At various times during the next 2½ weeks, one or another of the courts will be closed for repainting.

In order to allow time for the work to be done and the paint to dry, racketball court No. 1 will be closed from Feb. 12 to 16, court No. 2 will be closed from Feb. 15 to 22, and court No. 3 will be closed from Feb. 21 to 26.

The courts will be re-opened for use as soon as the paint has dried.

Admiral's Cup Basketball

Basketball will be the next event coming up in the 1978-79 Admiral's Cup athletic competition. Tip-off time is 6 o'clock each evening at the Center gym.

The three-game series will begin on Feb. 20 with a game between teams representing NWC Gold and VX-5, and it will be NWC Blue vs. NWC Gold on Feb. 21. The final contest — VX-5 vs. NWC Blue — is scheduled on Feb. 22.

Representatives of each of the teams who can be contacted by prospective players are John Everson (NWC Ext. 5297) and Roy Tefft (Ext. 5496) for NWC Blue; Peter Whipple (Ext. 3314) and John Kennard (Ext. 5301) for NWC Blue; and Rick Booth (Ext. 5248) for VX-5.

Women's Bowling Tournament

Hall Memorial Lanes will be tied up tomorrow and Sunday by the doubles and singles events of the 25th annual city

(Continued on Page 7)

Elks Lodge keglers increase lead in Premier League

In a battle between the top teams in the Premier League, the Elks Lodge keglers defeated Fisher Plastering two games to one during Monday night's action at Hall Memorial League.

This turn of events enabled the Elks to increase their lead to four games over Fisher Plastering, the Raytheon Sidewinders, and the Hideaway teams, who are tied for second place with records of 33 wins and 27 losses each.

High team game for the night was the 1,003 rolled by the Western Columbia squad, which also garnered high team series honors for its three game total of 2,825.

The evening's top scoring individual bowler was Jim Bradberry, who had a 652 series. Others who reached the 600 series plateau or beyond were Dan Carlson (619), Pat Nalley (612), and John Therning (600).

Premier League bowlers with single game scores in excess of 220 were Bradberry (256), Carlson (244), Chuck Cutsinger (232), Roy Canfield (225), Therning (224), and Nalley (222).

Current standings in the Premier Bowling League are:

Team	Won	Lost
Elks Lodge	37	23
Fisher Plastering	33	27
Raytheon Sidewinders	33	27
Hideaway	33	27
ACE Realty	32½	27½
Saddleback Tackle	29	31
The Place	27	33
Western Columbia	25½	34½
Partlow Construction	25	35
ERI Hustlers	25	35

Burros defeat Hart 67-61, recapture league lead

In a "must win" situation in order to recapture a share of the Golden League crown, the Burroughs High School varsity cagers outscored the Hart High Indians in an overtime game Wednesday night at Newhall.

After being tied 59-59 at the end of the regulation playing time, the Burros clinched the victory by outscoring their opponents 8 to 2 during the 3-min. overtime session to win by a final score of 67-61.

The BHS varsity hoopsters now have an 8-2 Golden League record, compared to 7-2 for Hart. The Indians will be playing another league foe, Canyon High tonight, while the

Burros have a non-league tilt here on Saturday against Bishop High School.

Tip-off time for the Burros vs. Bishop varsity game is 7 p.m. It will be preceded by freshman and junior varsity contests at 4 and 5:30 p.m. tomorrow.

Wednesday night's game at Hart High School, not unlike the game played here between these two teams which the BHS varsity won 62-61, was a hotly contested tilt from the opening tip-off. The Indians led 12-10 at the end of the first quarter and the score was tied, 28-28, at the half.

The Burros nudged ahead 43-42 after three periods of play and the game went down to

the wire in the final period. Just 6 sec. remained in regulation playing time when Rob Tomaras, guard for Burros, drove down the baseline and hit a field goal that gave the locals a 58-57 lead.

A discussion on whether or not Tomaras had been fouled led to a decision by game officials that Tomaras had bumped another player after the shot, and Del Wisler of the Indians went to the foul line and hit both ends of a 1-and-1 foul call to put Hart out in front, 59-58.

Score Tied in Final Seconds

Mike Wirtz received the inbound pass for Burroughs and drove the length of the floor going for the basket, but was fouled by a member of the Hart team. Wirtz tied the score at 59-59 by making the first free throw. When he missed the second one, the overtime period was necessary to decide the winner.

Two field goals — one each by Ron Garrett and Tomaras — got the Burros off to a 4-point lead (63-59) in overtime. Doug Bonnell tallied for the Indians to cut the BHS lead to 63-61, but after that it was all Burros as the locals out-rebounded the Indians to control the ball and cashed in on free throws when both Jim Crider and Richi Drake were fouled and hit two charity tosses each to give the Burros their final 6-point margin of victory.

High Point Man

Garrett was the game's high point man with 23, while Wirtz and Tomaras chipped in 13 and 10 points, respectively. The Indians had four players in the double-figure scoring column. They were Doug Bonnell (20), Gary Peters (14), Corey McMullen (12) and Craig Becky (11).

The Burros, who out-rebounded the Indians 40 to 29, were especially strong in this department of the game in the latter part of the fourth quarter and in the overtime period. Wirtz was the team's leading rebounder with 19.

It was Richi Drake night Tuesday at the Burroughs High School gym.

The talented guard for the Burros varsity basketball team, aided by the team's four regular starters and four reserve players, poured in 25 points to lead the BHS squad in a come-from-behind 66-47 win over the Canyon High Cowboys.

Drake was particularly effective in the second period, when he hit 8 of the Burros' (Continued on Page 7)

Loewen's edges league leaders in Div. A of China Lake Intramural Basketball League

Inclement weather brought about cancellation of China Lake Intramural Basketball League games scheduled on two out of three nights last week at the Center gym.

Postponed were games slated on Tuesday and Wednesday, Jan. 30 and 31, leaving only contests held last Thursday, Feb. 1, to report.

In Division A competition, the last place Loewen's Chukars upset The Pride, an all-military team, by the score of 61-58.

The Chukars, who had a 34-30 lead at halftime, held off The Pride (front runners in Division A as of last Monday, Feb. 5, with a 8-2 record) to win by a final margin of just 3 points.

Tom Chapman's 16 points set the pace in the scoring department for the Loewen's Chukars, while two of his teammates — Al Sorenson and Tom Chapman hit 12 and 11 points, respectively.

Ronald Johnson and Connie Reeder, each with 16 points, and J. W. Spells, who tallied 10, were the leading scorers for The Pride.

The Night Stalkers, a Division B team, played two games on the evening of Feb. 1.

In the first contest (which originally had been scheduled on Jan. 31), the Night Stalkers defeated the Low Doze quintet, 58-48, but then couldn't match the Loewen's B team on offense — losing by a final score of 63-51 in the second game.

Mark Lehman scored 28 points for the Low Doze team and was the game's high point man in the Low Doze vs. Night Stalker contest, and Danny Lopez tallied 10 more points in a losing cause for the Low Doze hoopsters.

The Night Stalkers had two players — Perry Kimman (18) and Mike Hanson (14) in the double-figure scoring column in their game against the Low Doze squad.

The Loewen's B team and the Night Stalkers were locked in a 22-22 tie at the midway point in their game, but the Loewen's cagers pulled steadily ahead in the second half to build up an 8-point lead at the final buzzer.

Gary Smith, of Loewen's B team, was the top scorer in this game with 18 points. A teammate, Mel Miles, wasn't far behind with 16, and Rollin Jones chipped in 11 more for Loewen's B.

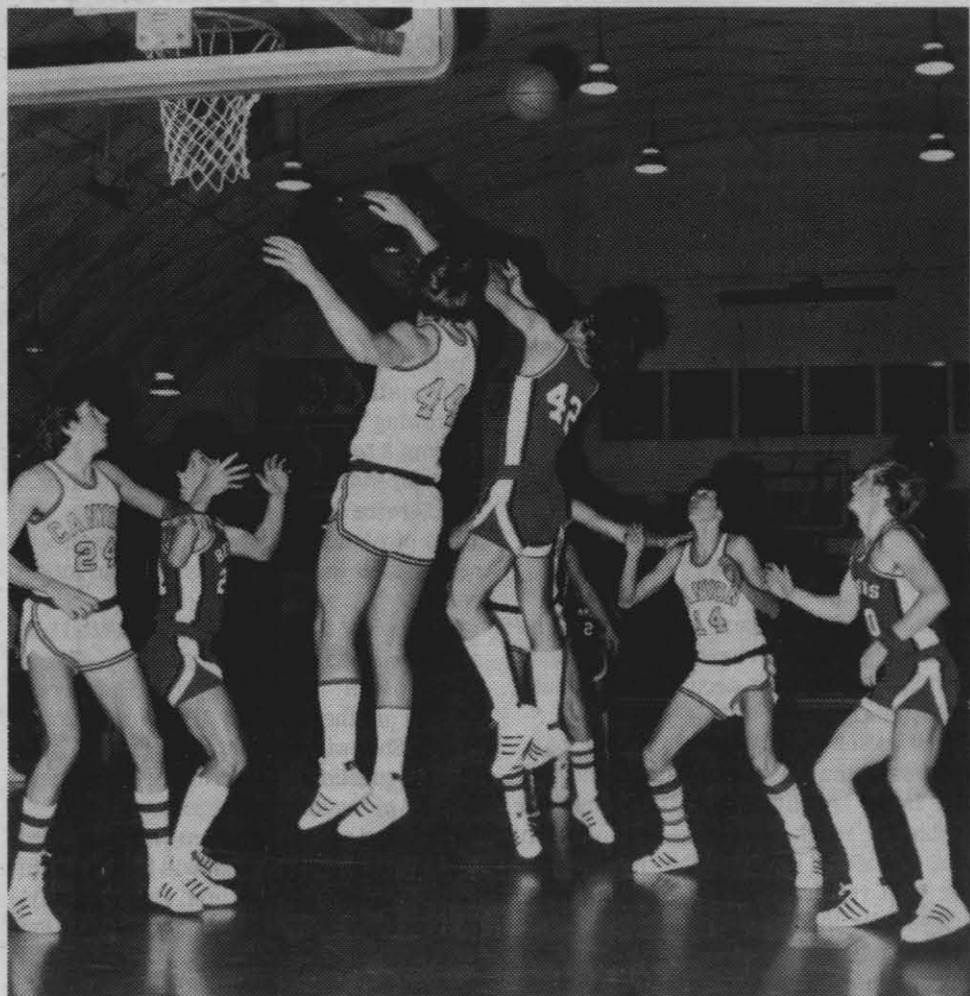
The Night Stalkers were led by Mark Lehman, Jud Neidigh and Danny Lopez, who tallied 12, 11 and 10 points, respectively.

Two games scheduled earlier, but postponed due to weather conditions, were played this past Monday night at the Center gym.

In the first contest, The Pride, held to a 28-26 lead at halftime, went on to defeat the Homestead Hombres 57-48. Reeder, Johnson and Spells, with 16, 15 and 14 points, respectively, were the top scorers for The Pride, while Tim Higgins (18) and Bobby Parsons (11) were the leading point makers for the Homestead Hombres.

Also on Monday night, the Low Doze quintet defeated T.P.Q., the cellar dwellers in Division B, by a final score of 48-40. At halftime, it was a 23-22 game in favor of Low Doze.

High point man in this contest was Hank Attansio of T.P.Q., who tallied 15. Other players with 10 points each were Al Chesney of T.P.Q. and Tim Mullins for Low Doze.



UP FOR GRABS — All eyes are on the ball during this bit of action in Tuesday night's game between the Burroughs and Canyon High School varsity basketball teams. Leaping for the ball are Fred Cornwall (No. 44 in white) of Canyon and Kevin Kumferman (No. 42) of Burroughs. At right is Richi Drake, the game's high point man for Burroughs with 25. The Burros walloped the Cowboys 66-47.



SAFE RETURN — Hermie Harris, Code 3142 employee, smiles broadly on her return from a two-hour flight in this A7 Corsair II jet aircraft. The flight had been arranged to familiarize her with the actual operation of the aircraft because in her job she has to pretend that she is the pilot of the A7 as she test flies flight program tapes in NWC's A6/A7 Simulation Laboratory. —Photo by Ron Allen

Naval Weapons Center gets sizable increase in electric power rates

Bad news was received last week regarding a sizable increase in the cost of electric power provided to the Naval Weapons Center by the Southern California Edison Co.

Effective beginning with the electric power bill for January, NWC now must pay \$5.05 per kilowatt demand (KWD) — 1,000 watts of power — during periods of peak usage. Prior to January, the charge was \$2.10 per KWD.

Additionally, there has been an increase from 25 to 65 cents per KWD of electric power used during mid-peak periods.

This, it is estimated by Dr. Cliff Stine, head of the Public Works Department's Energy Conservation Office, will add over \$600,000 to the annual electric bill at NWC, or approximately a 20 percent increase in the electric cost alone. In January these penalties amounted to nearly \$70,000, almost one-third of the bill.

The electric power user not only pays for the quantity of electric power used, but premium rates are assessed at certain times of the day or night. These rates vary, depending upon the season of the year.

For example, Dr. Stine said, during the winter months, peak period charges are assessed between the hours of 5 p.m. and 10 p.m., while in the summertime, peak period rates are charged from noon to 6 p.m.

The mid-peak rate of 65 cents per kilowatt is in effect from 8 a.m. to 5 p.m. during the winter, and in the summer from 8 a.m. to 12

noon and from 6 to 10 p.m.

During all other hours not mentioned above there is no extra charge for electric power either in winter or summer.

The foregoing, Dr. Stine continued, points to the need for NWC to make every effort to shift its major use of electric power from peak to mid-peak periods, or preferably to off-peak hours when there is no additional charge.

Panel discussion . . .

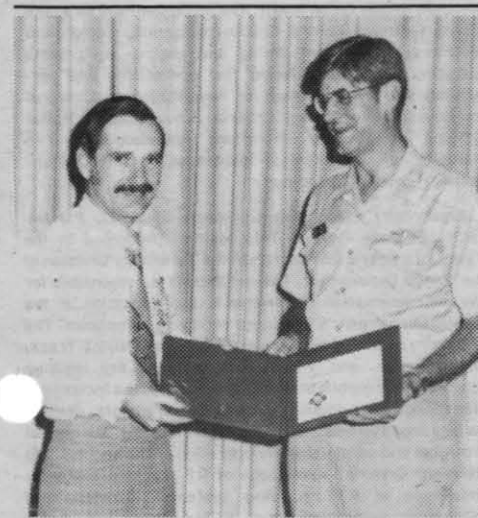
(Continued from Page 1)

Hawley worked as an explosives operator in private industry before coming to China Lake in 1953. He has held various positions at NWC while advancing to artillery repairer.

Haywood retired after 20 years on active duty in the Navy. His present position at NWC is related to his job as a storekeeper in the Navy.

Carey became a plastics molder in private industry prior to assuming his position at NWC in the same line of work. He decided to become a physical science technician after determining that his opportunities were better in that field.

Thompson retired from the Navy as a jet engine mechanic. He began working at NWC as an engine steam cleaner. With some difficulty he received on-the-job training and after several years of study, he was advanced to his present position of automotive mechanic.



GOOD SAFETY RECORD — A safety award denoting 500,000 man-hours worked by employees of the NWC Engineering Department between March and September 1978 without a disabling injury was presented by Capt. F. H. M. Kinley, NWC Vice Commander, to D. J. Russell, head of Code 36. The safety award presentation took place during a meeting of the Technical Planning Board, which was held on Jan. 25 in the Management Center of Michelson Laboratory.

Hermie Harris finally takes off after 'flying' for three years

After "flying" aircraft on her job for over three years, Hermie Harris of the A6/A7 Simulation Branch in the Naval Weapons Center's System Development Department, finally got off the ground last week.

Mrs. Harris is the senior validation operator for the A7 Simulation Facility, and, as such, she operates as if she were the pilot of the A7 Corsair II aircraft, during validation of operational flight program software.

"Although Hermie is very experienced in her work," said her supervisor Harvey Nelson, Code 3142 branch head, "we felt that she could do a better job if she could experience an actual flight in an A7 aircraft."

Even after the decision was reached and approved to give Mrs. Harris a flight in a TA-7 (a two place version of the A7), several preflight requirements had to be satisfied before she could fly.

"You can't just call the field and order up an aircraft," Nelson said. After having the formal paperwork approved, she had to have a flight physical—the same one pilots take. Upon passing it, she traveled to the Naval Air Station Lemoore, Calif., last December to be checked out in the high altitude chamber."

After becoming qualified to fly in a jet aircraft, Mrs. Harris waited over a month before she was finally notified that she could go up.

"They told me at 8 o'clock that I was scheduled for a 9 a.m. practice bombing run in the Corsair II," Mrs. Harris said. "I really had to scurry around to find a flight suit and all, but I made it in time. I was really thrilled that I was finally going to get to fly in a jet aircraft."

Piloting the TA-7C aircraft on the practice bombing run to Carricit Valley was LCDr. Jack Paschal, A7 project officer.

"To show her all of the different attack modes of the aircraft," LCDr. Paschal said, "we dropped 12 practice bombs on the range."

Mrs. Harris stated that Indian Wells Valley was just beautiful from the air.

"The entire flight was just out of this world," she said. "It was such a clear day, you could see everything for hundreds of miles. The snow-capped Sierras were just gorgeous."

Mrs. Harris came to China Lake about six years ago from the San Jose area where she worked for the Air Force as a secretary. Some three years ago the position in the A7 Simulation Laboratory was advertised and she applied for it.

"I knew that I didn't meet all the qualifications but they needed someone and were willing to train me," she continued, "so I got the job."

To her, the actual airborne flight in the A7 was like being there before, because in a way she had been.

"Before the flight program tape is loaded into the airborne computer in the Corsair II, I simulate its use in the laboratory to make sure everything performs correctly," Mrs. Harris said.

She added that she had seen the aircraft HUD (Heads-up Display) and instrument symbology on her TV display many times but, "Being up in the A7 gave me a better perspective of what is involved in flying the airplane. Really flying in the aircraft is something that could never be simulated," she concluded.

Dangerous explosives are added hazard in mining regions of high desert area

Exploring old mining areas in the desert can be interesting, but there are also hazards that should never be overlooked.

In addition to the possibility of slipping and falling into a hole or mine shaft, the possibility also exists that old explosives may have been left behind which are so unstable that any disturbance could cause them to detonate.

According to personnel of Explosive Ordnance Disposal Group 1, Detachment China Lake, the nitroglycerin base of older types of dynamite becomes sensitive when it freezes and then thaws out again. When this happens, rough handling or disturbing the dynamite could cause it to explode.

Since about mid-November, EOD personnel from China Lake have recovered and destroyed close to 100 lbs. of abandoned commercial dynamite and accessories from old mining property in the Trona and Ballarat areas.

As recently as Jan. 20, the China Lake Police Division received a call requesting EOD assistance after some juveniles showed up at the Trona sub-station of the San Bernardino Sheriff's Office with 10 sticks of dynamite which they had found.

This dynamite was examined by two EOD technicians from China Lake before being removed to a remote area and detonated as a safety precaution.

EOD personnel from China Lake also returned to the location where the youngsters had found the dynamite in order to determine if there was any more that should be removed and disposed of.

Black History Week observance continues . . .

(Continued from Page 1)

to do the job. "There are a lot of good people out there, they just have to be found. Good people don't go unemployed."

He touched briefly on educating the nation's children, saying that every student was naturally curious. "We have to start giving kids knowledge in the first grade and tantalize their curiosity throughout their school years so that they will want to know more," he stated.

Industry is going to complete automation in factories, he said. As a matter of fact, Kawasaki already assembles motorcycles untouched by human hands.

"This is the way industry is going," he stated. "We are out to get the best minds we can get to do the job better than ever before."

Dr. Maloney believes managers who are not getting a mix of minorities on their staffs are not doing their jobs well. "If you take the first person you see, you are lazy," he stated. He explained again that good people, including minorities, are harder to find, but managers who are exceptionally committed will exceed their goals.

"The scientific mind is a curious mind.

Bring prospective employees in, show them what you are doing in the laboratory and what your problems are. The bottom line is that they might rather work for you for less money if you can prove you can offer them a more exciting career," Dr. Maloney concluded.



Calvin and Pat Taylor

Black History Week will reach its climax on Sunday with a special commemorative service for Dr. Martin Luther King, Jr., in the NWC All Faith Chapel from 2 to 4 p.m.

One of the features of this program will be a sacred music concert by Calvin and Pat Taylor, well-known Christian musicians from Los Angeles, who have received wide acclaim by all who have heard them perform, including many music critics.

Calvin Taylor, who has degrees in music from both the Oberlin Conservatory of Music and the University of Michigan, has been a crusade organist for the Billy Graham Evangelistic Association, and is a skilled pianist, organist and arranger.

Mrs. Taylor (Pat) studied at the Peabody and Oberlin Conservatories of Music.

Also on the program will be two anthems by the Union Missionary Baptist Church Young Adult Choir directed by Angella Celestine; a tribute to Dr. King given by Reverend Gordon Crider, pastor of the United Presbyterian Church; and the message of the day, "A View from Pisgah's Lofly Height" given by Rev. Ezra Turner, pastor, Union Missionary Baptist Church.



AUDITOR GENERAL OF NAVY VISITS NWC—As a memento of his recent visit to the Naval Weapons Center, Rear Admiral James Buchanan Bussey (at right), Auditor General of the Navy, received an NWC plaque that was presented by Rear Admiral William L. Harris, NWC Commander. RAdm. Bussey, who was on a tour of audit sites on the West Coast, was here to provide information on what the American Society of Military Comptrollers can do for NWC's financial managers, and emphasized also the value of the internal review process to the Command. Still in the discussion stage is the matter of forming a local chapter of the American Society of Military Comptrollers. —Photo by Ron Allen

Navy Commendation Medal earned . . .

(Continued from Page 1)

graduate this past Tuesday from the preliminary course at Huntsville, and then depart for 10 months of training at Indianhead, prior to being assigned to an EOD team.

PN1 Thompson enlisted in the Navy in September 1971 and attended Personnelman "A" School at the San Diego Naval Training Center. He then served aboard the destroyer USS Shelton and saw action off the coast of North and South Vietnam.

His next assignment was in the personnel office on board the USS O'Callahan, a destroyer escort, before reporting to the Naval Weapons Center in February 1975.

During the nearly three years that he served at China Lake, PN1 Thompson was singled out for special recognition as the NWC nominee for the Chief of Naval Material Sailor of the Year Award in April 1976, and was the NWC Bluejacket of the Month in May 1978.

PN1 Thompson also had an impressive list of off-duty interests and hobbies including acting, painting, prospecting, writing, photography, scuba diving, flying, long-distance running, martial arts, officiating at high school football and basketball games and furthering his formal education.

Course in project management slated beginning March 2

A 40 hour course entitled Introduction to Project Management has been scheduled at the Training Center on Fridays, from 8 a.m. to 4 p.m., beginning on March 2.

This course will be taught by Dr. Ed Alden, an operations research analyst in the Plans and Programs Branch of the Office of Finance and Management.

Purpose of the course is to provide students with an introductory overview of the concepts and process of project management at the Naval Weapons Center. Topics to be covered will include forecasting, marketing and selling the project; organizing the project and building the project team; and maintaining sponsor relations, controlling the project, and transferring the completed project.

Emphasis will be placed upon NWC and local resources that are available to assist project managers.

Employees interested in attending this course must submit training request and authorization forms via proper department channels in order to reach Code 094 no later than Feb. 16.

Petty Officer Thompson is a graduate of Patagonia (Ariz.) High School and Eastern Arizona College, where he obtained an associate of arts degree in 1971 prior to enlisting in the Navy. While at China Lake, he attended Cerro Coso Community College and also took college extension courses.

In addition, he served a term as vice-president of the China Lake Flying Club, took courses in scuba diving, and (looking forward to the possibility of becoming eligible to join a Navy EOD team) obtained certification from the National Association of Underwater Instructors and the Professional Association of Diving Instructors.

Promotional Opportunities

(Continued from Page 2)

support for approximately ten members of department staff. Job Relevant Criteria: Ability to perform a variety of secretarial functions; ability to communicate effectively and correctly, both orally and in writing; ability to deal tactfully and efficiently with both the public and all levels of NWC employees; knowledge of NWC organization and policies; ability to type with speed and accuracy.

Secretary (Typing), GS-318-S, PD No. 7345128, Code 324 — Incumbent is secretary to the head, Advanced Technology Division, Ordnance Systems Department. Maintains calendar, makes appointments, sets up conferences and meetings at own direction. Obtains security clearances, arranges travel arrangements for both supervisor and others of the division. Receives phone and in-person callers, either referring or responding personally as appropriate. Compiles information from reports and other data. Coordinates technical presentations for division personnel, prepares PDs and personnel action requests. Prepares and types reports. Job Relevant Criteria: Ability to type with speed and accuracy; demonstrated ability to deal tactfully and efficiently with all levels of NWC personnel; ability to perform a wide variety of secretarial functions; knowledge of NWC organization and policies; ability to communicate effectively and correctly in writing.

Electronics Engineer, GS-855-11/12, PD No. 782019, Code 3247 — Incumbent conducts special studies on electronic components and subjects related to the operation of electrical circuits in the Gator system. Designs experiments for bench and field testing of electrical components. Performs electronic engineering design analysis, defining circuits and component size for Gator and its adaption kits. Monitors design progress on electronic components and analyzes critical features. Prepares and issues drawings and specifications for the electrical components he is working on. Assists in preparation of formal reports for publication. Job Relevant Criteria: Knowledge of electronic design of digital and analog circuits; knowledge of mechanical engineering; knowledge of integrated circuit design and manufacturing principles; skill in interpersonal relationships.

Physical Science Technician, GS-1311-4/5/6, PD No. 7932094, Code 3272 — (Promotion potential: GS-8). This position is located in the Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent performs a variety of tests on explosives, solid propellants, pyrotechnics, and raw materials. Determines proper tests, equipment and sample preparation required to meet the needs of the requester. Makes necessary calculations, tabulations or graphs and reports the data. Performs sampling tests of chemical raw materials, with special emphasis on obtaining samples which are representative of the material to be analyzed. Further insures that raw materials are maintained under proper storage conditions and monitors shelf life of materials. Job Relevant Criteria: Knowledge of algebra, physics, and chemistry; knowledge of safety procedures for working with hazardous materials; skill in interpersonal relationships; ability to work with a minimum of supervision. Previous applicants need not reapply. File applications for the above with Mary Morrison.

Develop hazard awareness, work at avoiding accidents, Centerites urged

By Billie Hise

One of Murphy's laws states, "Whatever can happen will." This law illustrates that an accident can and will happen unless an individual does something to prevent it. In view of this, all Centerites are urged to develop a hazard awareness and work at preventing accidents.

Will you or someone around you have an accident this year? Will it be an industrial or vehicle accident, or will it happen at home or on vacation? How concerned are you for your safety as well as others? How would you rate yourself? Very interested? Mildly interested? Or are you the "Why should I worry, it won't happen to me?" type?

In some cases, Murphy's law has had help. See what you think. Could any of these accidents and injuries have been prevented?

1. One person, while lifting a heavy object, used a metal pipe to stand on. In the middle of the lift, a foot slipped off the pipe. Result — a sprained leg and back.

2. One person used a chair equipped with casters to position one foot while lifting an object. The casters rolled and the chair flipped. Result — a fractured wrist.

3. The passenger did not fasten a seat belt that was available while riding in a government vehicle. On a curve the driver lost control and the vehicle whipped back and forth. The passenger was thrown against the door, the door opened and the passenger was thrown out. The "lucky" passenger received only multiple contusions and abrasions.

4. A worker rested an arm on the edge of an open tool box, while another worker rested his arm on the half-opened top of the box. When the second person shifted his weight, the tool box closed. Result — laceration of the arm.

5. The curve was posted with a 35 mph sign, but the driver felt he could go faster. When loose sand on the road was noted, the

driver permitted the vehicle to get into the sand before he decided to brake to slow down. Result — a rollover with injuries to the driver and a totaled vehicle.

Hazard awareness is developed in many ways. Sometimes the hard way is through a personal experience. NWC civilian employees and military personnel are urged to concentrate on recognizing hazard, wherever they are — at work, when driving, in the home, etc.

Ask yourself "What can go wrong? Do I have the knowledge and skill I need to insure an accident will not happen, and when do I act to prevent the accident?"

Remember Murphy's law. Let Murphy help make you more aware. Don't let accidents happen.

Applications now being taken for long-term training

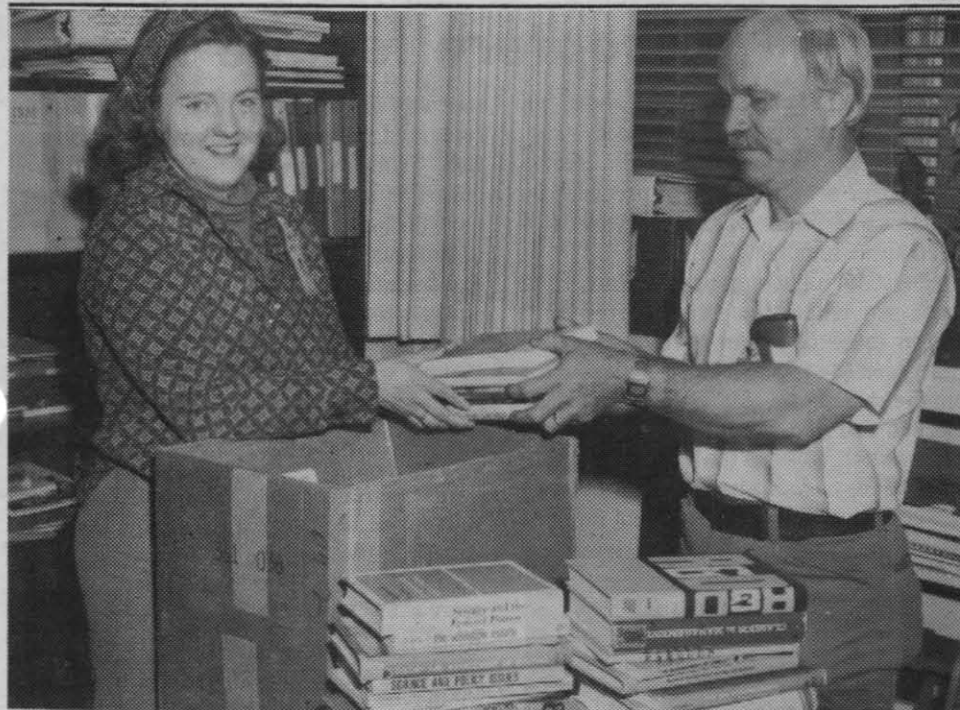
Applications are now being accepted for long-term training by Naval Weapons Center employees in programs starting with the fall semester or fall/winter quarter 1979.

To be eligible for long-term training — training off-site for a period of 120 consecutive days or longer — an individual must have been employed by NWC for a minimum of three years at beginning of studies.

The Technical Planning Board (TPB) will consider applications in any area of study that relates directly to NWC program requirements.

Employees interested in long-term training must submit an application form via proper department channels in time for it to reach Code 094 no later than Thursday, March 1.

Additional information on application procedures can be obtained by calling Terry Mitchell at NWC Ext. 2648.



OFF TO THE LIBRARY — Linda Roush, who is president-elect of the East Kern Chapter of the American Society for Public Administration (ASPA), packs books donated by Bill Arnold for a "management science" collection of books and periodicals at the Ridgecrest Library. ASPA is gathering these materials so that they may be available to local administrators and students and other local area residents. Anyone who wishes to donate books or periodicals dealing with any aspect of management or administration, general or specialized such as school administration, may call Mrs. Roush at NWC Ext. 3032, to make arrangements for the materials to be picked up by an ASPA member. —Photo by Tom Carter

Civil Service Reform Act links top level managers' pay to performance

The Civil Service Reform Act links pay to performance for managers and supervisors in grades GS-13 through -15. It does away with automatic step increases and replaces them with a merit pay system under which raises can be larger and come faster.

Merit pay will not cost any more, but will merely distribute the money differently than under the present system.

When the annual comparability increase for white-collar workers is announced, all managers and supervisors will get at least half the authorized percentage. If the comparability increase is six percent, for example, GS-13 to -15 supervisors would get at least three percent.

The part of the increase not paid to supervisors would be placed in a "merit pay pool." Funds normally earmarked for within-grade and quality step increases would also go into the pool. The pool then would be divided among deserving managers and supervisors in the form of merit raises based on performance.

The merit pay system will not go into effect at the same time in all agencies. Some agencies could start using the system as early as October 1979, but all must be using it by October 1981. Since it will be based on performance, a key to when

agencies can begin to use merit pay will be how fast they can develop new performance appraisal systems to accurately measure performance.

Merit raises would be part of basic pay, and would thus increase retirement and other fringe benefits. Supervisors would be eligible for merit pay consideration each year, and would not have the two or three year wait required for some within-grade raises under the present system.

The Civil Service Reform Act also provides lump sum cash awards, both for supervisors and for supervisors to give to their employees, in recognition of good ideas or jobs well done. The head of an agency may grant an award up to \$10,000. With approval of the Office of Personnel Management, awards up to \$25,000 will be possible in exceptional circumstances.

At present, the merit pay system is only authorized for supervisors in grades GS-13 to -15, but if it proves successful, it might eventually be extended to include many more white-collar workers.

Briefing given on new satellite navigational system

Colonel Robert L. Peterson, USMC, Deputy Program Manager for the Navstar Global Positioning System (GPS), from the Space and Missile Systems Organization, Los Angeles Air Force Station, gave a general briefing at the Naval Weapons Center recently on the new joint services satellite navigational system.

In attendance were about 30 NWC laboratory and test and evaluation people, including Bob Hillyer, NWC Technical Director.

Col. Peterson explained that the system was started in 1973 by combining similar Navy and Air Force satellite navigation programs. The purpose of the new system, which is in the validation phase (Phase I) at the present time, is to provide a highly precise position-velocity-time information and weapon delivery capability and to stop the proliferation of navigational systems.

In 1973 there were about 100 positioning or navigation systems either being maintained or under development. The Department of Defense felt that through a joint services effort the Navstar GPS could fulfill many of the service navigation requirements.

The operational system will utilize 24 satellites in three planes of eight satellites at a half synchronous altitude of 10,900 miles. Four development satellites are presently on orbit to support Phase I testing. These were launched singly from Vandenberg Air Force Base using Atlas-F

Police accident reports reveal need for special care by Moped operators

In a recent study of police reports on Moped accidents, the Automobile Club of Southern California learned that a number of accidents were caused by operators who were too young to have a driver's license.

All operators of Mopeds in the State of California must have a valid driver's license or a learner's permit in their possession when driving a Moped.

From the 111 police reports sampled by the Auto Club, it appears that the

predominant accident type was the single vehicle collision. Either the Moped operator collided with a fixed object or simply overturned the vehicle on the roadway.

A second major accident type was the result of a vehicle turning right and colliding with a Moped proceeding straight ahead at the right side of the road or a vehicle turning left across the path of a Moped going straight ahead. Another frequent type of accident was caused by the Moped following too closely and colliding with the rear of another vehicle that was slowing or stopped in traffic.

Other accidents involved Mopeds colliding with open car doors, being rear ended, or mishaps that occurred while Mopeds were making a left turn in traffic.

The Auto Club cautions Moped operators to learn and practice safe operating techniques, thus preparing themselves for "real world" traffic problems.

Operators of Mopeds should make themselves visible with bright-colored clothing and reflective material for both day and night travel. A helmet for head protection is strongly recommended.

Moped operators should try to remember that automobile drivers may not see them or are not concerned for their safety. Because of this, Moped operators must make an extra effort to insure their own safety.

CSC offers career counseling workshop beginning Feb. 27

A career counseling workshop, conducted by representatives of the U.S. Civil Service Commission, will be offered on Feb. 27, 28 and March 1 at the Training Center.

Among the topics that will be covered during this course, which is scheduled from 7:30 a.m. to 3:30 p.m., are the role of the career counselor, values clarification and career goals, counseling women and minorities, and active listening techniques.

The course is designed for employees who have career counseling and employee development responsibilities, for supervisors, and for others interested in developing career counseling skills.

Employees interested in attending must submit a training request and authorization form via proper department channels in time for it to reach Code 094 no later than next Friday, Feb. 16.



Col. Robert L. Peterson, USMC