

Entertainment slated at WACOM's first meeting of new year

Entertainment by John A. DeBrito, who is known for his robot-like imitations of a mechanical man, will be featured during a luncheon meeting of the Women's Auxiliary of the Commissioned Mess.

The luncheon will be held on Tuesday, starting at 11:45 a.m., at the Commissioned Officers' Mess. DeBrito, who was discovered entertaining in the streets of San Diego's "Old Town" by WACOM's own Eleanor Lotee, will present his humorous routine immediately following the midday meal.

The first WACOM meeting of the new year will begin with a social hour at 11 a.m. The luncheon menu will include beef curry with rice, peas, Mandarin orange molded salad, and chocolate cake. The price is \$3.75 per person.

Women who are eligible and would like to join WACOM at the January meeting are asked to call Dayle Ann Huckins (phone 375-7655) or Ruth Rudeen (ph. 375-4754) for reservations.

Affirmative Action class offered by EEO staff members

Members of the Naval Weapons Center's Equal Employment Opportunity (EEO) staff will conduct a class on the subject of "Affirmative Action" that will be held on Wednesday, Jan. 30, from 7:45 to 11:30 a.m. in the Community Center.

Purpose of the course is to provide managers and supervisors with an understanding of the basic elements of the EEO law.

Topics to be covered include information about problems associated with the EEO law and its compliance, and why the EEO law must be applied in each manager or supervisor's own areas of responsibility.

Centerites 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. 16.



FMA OFFICERS INSTALLED — Officers who will guide the activities of China Lake Chapter No. 28 of the Federal Managers Association (FMA) were installed during a recent luncheon meeting held at the Enlisted Mess. Bill Hamilton, national 1st vice-president of the FMA from Port Hueneme, administered the oath of office to (l.-r.) John Wooldridge, treasurer; Donna Gonder, secretary; Jim Williams, 2nd vice-president; Gale Poppen, 1st vice-president; and Dennis Rowell, president. Others also installed in office were Edna Easterling, historian; Nina Lane, chaplain; and Barbara Thurman, director for a 2-year term.

CLOTA to celebrate 14th season at awards banquet on Jan. 12

The Community Light Opera and Theatre Association will celebrate the end of its 14th season during the group's annual banquet that will be held on Saturday night, Jan. 12, at the Chief Petty Officers' Club.

All interested persons are invited to attend the banquet — a roast beef and turkey buffet — which will begin with a social hour at 6 p.m. Dinner will follow at 7 o'clock, and the evening will be rounded out by the presentation of CLOTA's "best-of-the-year" awards, a short business meeting for the purpose of filling three vacancies on the board of directors, and the presentation of a skit poking fun at events which took place during 1979.

The evening will be concluded by dancing

and listening to the music of Danny Lydon and his band.

Highlight of the CLOTA meeting will be the presentation of the Jane Bugay Memorial Award, the highest honor the local theatrical organization can pay to one of its members. The Bugay Award goes to someone chosen by the group's board of directors for having made an outstanding sustained contribution to CLOTA over a number of years. This year's recipient will be the seventh person to be so honored.

Other Awards To Be Presented CLOTA's "best-of-the-year" awards will include those for best leading actor and actress, best supporting actor and actress, and best production in 1979. In addition, special awards will be presented for costuming, choreography, lighting, and other backstage work.

Ed Romero, CLOTA president during the past year, will give a summary of the three productions that will be presented in 1980 and will introduce the directors of each of them. He also will review the highlights of the past year.

Price of the banquet and the evening's entertainment is \$6.50 per person. Reservations to attend, which will be accepted no later than next Wednesday, Jan. 9, can be made by calling any of the following officers or board members:

Ed Romero, ph. 375-5829; Eleanor Lotee, ph. 446-4324; Pat White, ph. 375-7478; or Jean Lehmann, ph. 377-4890.

MOVIES section listing various films like 'DOCTOR ZHIVAGO', 'AN ALMOST PERFECT AFFAIR', 'THE WIZ', 'NORTH AVENUE IRREGULARS', 'BLOODLINE', and 'BEYOND THE POSEIDON ADVENTURE' with their respective cast members and showtimes.

1980 Citizens' Band, amateur radio decals are now available

The Naval Weapons Center's 1980 decals issued to Centerites who own Citizen's Band and Amateur Radio transmitting equipment are now available.

The decals, issued by the Communications Division, can be picked up in the Code 212 office, which is located behind the Administration Building in the telephone office.

Those wishing to obtain such decals should bring in their Federal Communications Commission license, and a copy of their NWC permit if they are seeking a renewal for 1980.

All Centerites who bring vehicles equipped with radio transmitting gear on board are required to obtain a Center permit and decal as outlined in NWC Instruction 2374.1.

Mayor of Ridgecrest to speak at SOLE meeting

A talk on the subject of "Municipal Logistics Management" will be presented at the next meeting of the Eastern Sierra Chapter of the Society of Logistics Engineers (SOLE).

The meeting has been scheduled next Wednesday, Jan. 9, starting at 6:30 p.m. at the Commissioned Officers' Mess, and the speaker will be Don J. Chieze, Mayor of the City of Ridgecrest.

Information on membership in the local chapter of SOLE or in regard to attendance of guests at the meeting on Jan. 9 can be obtained by calling Capt. J. D. Killoran, NWC Director of Supply, at NWC Ext. 2250.

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Details of new NWC Housing Instruction outlined

The advent of the new year has brought with it a revised and updated Naval Weapons Center Housing Instruction which covers housing policy as well as the rules and regulations for occupancy, assignment, and utilization of Center housing by military and civilian personnel of the Naval Weapons Center.

Among the key elements of the new Housing Instruction are:

- (1) Designation of a "Retention Area" — housing to be retained indefinitely to meet projected requirements for military families and families of approved mission essential civilian personnel.
(2) Establishment of length-of-occupancy limitations for newly-hired civilian per-

sonnel. (These limitations do not affect current occupants.)

(3) Assignment of military personnel to retention area housing, as units become available.

(4) Assignment of newly-hired civilian personnel to housing outside the retention area.

(5) Establishment of a Housing Referral Service to assist Centerites in locating suitable housing for rent or sale in the Indian Wells Valley.

(6) Provision for a sponsor to assist newly arriving civilian and military personnel in arranging for housing to be available when their report.

The basic policy of the Department of

Defense and the Navy is to rely on the local housing market in communities near military installations as the primary source of family housing.

Here at China Lake, the Center's goal is to provide all accompanied military personnel and mission essential civilian employees with the best possible family housing within the authorization and appropriation limits allowed by the Navy.

Under the basic policy guidelines set forth in the new Housing Instruction, the long term objective of the Center's housing policy is to provide housing for military families. In addition and on an interim basis, the Center's objective is to maintain adequate rental housing for newly hired

civilian employees for a specified period not normally in excess of three years.

Provision of housing for employees when they first arrive in this area is necessary because of the limited sale and rental opportunities within the local community.

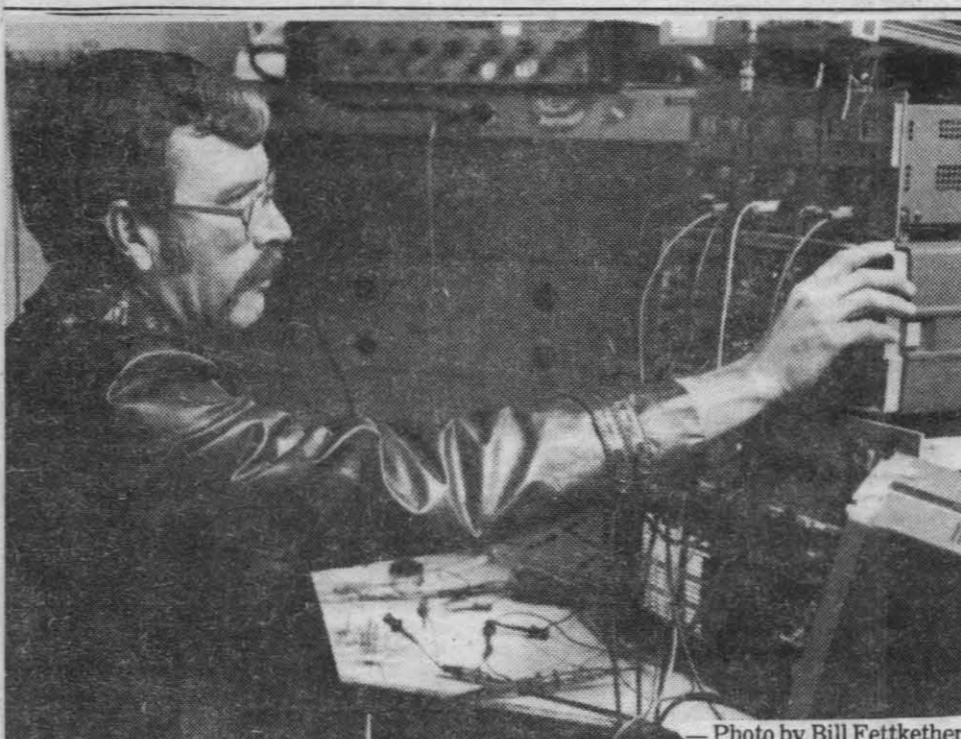
The foregoing does not mean that current occupants of housing at China Lake will be forced to move. Civilian employees who now live in Navy housing will be permitted to remain, but, as they take jobs elsewhere or retire, the homes that they move from will be assigned under the provisions of the new Housing Instruction.

The new Housing Instruction also calls for developing and periodically updating a (Continued on Page 4)



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TECHNICAL DIRECTOR AWARD WINNER — Jack R. Brown, an electronics engineer who heads the Telemetry Technology Branch of the Range Department's Telemetry Division, checks out telemetry ground station hardware of the kind used in tests of the secure telemetry system that worked successfully during a Sidewinder AIM-9L missile flight. Brown was presented the NWC Technical Director's Award for his technical expertise and leadership role in the effort to incorporate an encrypting device in a tactical weapons system telemetry unit.

Milestone in effort to develop secure telemetry system basis for Technical Director Award

A major milestone in the effort to develop techniques for providing secure telemetry for developmental and operational weapons systems was the basis for the latest presentation of the NWC Technical Director's Award.

Singled out to receive this special form of a Superior Achievement Award was Jack R. Brown, head of the Telemetry Technology Branch in the Range Department's Telemetry Division. In addition to a letter of commendation, Brown also received an engraved paperweight and a \$200 stipend.

In attendance at the weekly Commander's meeting during which the TD Award was presented to Brown by Bob Hillyer, NWC Technical Director, was Dr. James Probus, Director of Navy Laboratories.

Brown was cited for the successful demonstration of the secure telemetry system on an AIM-9L Sidewinder production verification test missile — an accomplishment which satisfactorily proved that encrypted telemetry is feasible.

The first launch of a National Security Agency (NSA)-developed encrypting device in a tactical weapons system telemetry unit took place last July. The AIM-9L was chosen for this demonstration because the small 5-in. diameter of the missile's air frame represented a "worst-case" situation.

A lot is learned by the U.S. about Soviet Russia's weapons systems by intercepting telemetry signals and, in similar fashion, the Russians learn about this nation's weapons from telemetry signals, Hillyer commented prior to presenting the Technical Director Award to Brown.

Because of this, the Department of Defense has set forth the requirement for (Continued on Page 3)

Another briefing on CSRA merit pay plan slated

A briefing on the Navy Merit Pay System, conducted by Bob Hillyer, NWC Technical Director, will be held next Thursday, Jan. 10, starting at 3 p.m. in the Community Center.

This briefing is intended for Centerites who were unable to attend similar sessions on Dec. 17 and 18 that were led by Dr. James Probus, Director of Navy Laboratories. No additional information will be presented.

The briefings staged by Dr. Probus were for the benefit of all GS-13, -14, and -15 supervisors and their first and second level supervisors — both military and civilian. Other Center personnel interested in learning about the Navy Merit Pay System are invited to attend the briefing next Thursday.

Purpose of the discussion will be to provide a basis for comparison between the Navy Merit Pay System and the merit pay system that will be developed locally as part of the Civil Service Reform Act Demonstration Project.

Local task teams are now working on the development of the Demonstration Project merit pay system and are expected to be able to present a progress report by mid-January. If the Demonstration Project is not approved for adoption here, NWC will be covered under the Department of the Navy Pay System.

The briefing by Hillyer on Jan. 10 will last for about 1 1/2 hours, and will include time for questions.

Briefings on merit pay part of Civil Service Reform Act held here by Dr. James Probus

Dr. James Probus, Director of Navy Laboratories, recently held three briefings at the Naval Weapons Center to inform high grade personnel about the portions of the Civil Service Reform Act dealing with merit pay.

In his remarks introducing Dr. Probus, Bob Hillyer, NWC Technical Director, noted that although different procedures would apply at China Lake because of the expected implementation of the Demonstration Project, Center management felt briefings about procedures to be followed elsewhere within the Navy would be of value to local personnel.

Dr. Probus opened his discussion with a brief history of the Civil Service Reform Act, saying that the new system developed following extensive study, including information gathered from an Office of Personnel Management questionnaire sent to a sample of more than 70,000 federal employees.

Individual agencies within the federal structure are able to tailor various CSRA merit pay procedures according to agency needs. The Navy, for instance, sought and gained permission to develop its own system rather than being part of Department of Defense-wide actions. CSRA merit pay procedures affect the 400

member Navy personnel who chose to become members of the Senior Executive Service (formerly GS-16 to -18 and Public Law personnel), and approximately 17,000 Navy civilians holding GS-13 to -15 ratings who are designated as supervisors and managers.

It is expected that NWC and Naval Ocean Systems Center, San Diego, high-grade personnel will not fall under CSRA merit pay procedures, but under those of the proposed Demonstration Project.

Dr. Probus emphasized that openness, common sense, equity, logic, judgment, and improved communication would be stressed in implementing CSRA merit pay, and that the system is flexible enough to meet unforeseen developments or requirements.

The heart of the system will be better training for managers and better communication channels established between all levels of personnel.

Under both the CSRA merit pay program and the Demonstration Project, clear-cut goals will be set jointly by the employee and first line supervisor. Progress toward attaining these goals will be reviewed more frequently than the current once-a-year performance appraisal, and a wider range of performance ratings will be permitted.



CONTRIBUTIONS MOUNT — The Maturango Museum's building fund has grown to a total of \$117,291.30 with contributions from local organizations and individuals. In the upper picture Dave Koelson (l.), Grand Knight of the Fr. Crowley Council of the Knights of Columbus, gives a \$1,000 check from his organization to Bob Berry, president of the Museum Board, while Bob Tuck, director of the museum, watches. In the lower picture Jo Ann Foster (l.) and Barbara Mann, add a \$1,500 contribution from the High Desert Junior Womens Club to the building fund. The Junior Women's Club earned the money from sales of handcrafted items and nuts at the recent WACOM Christmas Bazaar. Since the museum building fund drive swung into high gear last October, the sum of \$39,291.30 has been added to the overall total.



Secretary (Stenography), GS-318-5/6/7, PD No. 789013N, Code 82 — This position is located in the Office of the Vice Commander, Naval Weapons Center. The incumbent is responsible for the effective operations of the Vice Commander's office and the management of his time and scheduling; performs such duties as maintaining all files, typewriters, memoranda, etc., opening, screening and routing mail, handling and controlling material, screening publications for items of interest, answering and screening phone calls, greeting and assisting visitors, screening classified and unclassified messages, answering the more routine correspondence for the Vice Commander, personnel and budget duties as needed. Will be required to work outside of normal working hours on an as needed basis. Job Relevant Criteria: Knowledge of Center organization and policies; reliability and dependability; ability to deal tactfully with all types and levels of people; to take shorthand; and to type efficiently and accurately; ability to handle pressure; knowledge of Navy administrative policies and procedures. Previous applicants need not reapply.

Technical Publications Writer-Editor (P58E), GS-1083-1, PD No. 793231E, Code 342 — This position is located in the Field Services Branch, Systems Engineering Division, Technical Information Department. The incumbent writes original material and edits technical reports and open literature manuscripts pertaining to air target survivability and aircraft sensors/laser systems. Job Relevant Criteria: Knowledge of air target survivability and aircraft sensors/laser systems; knowledge of printing and publishing techniques; knowledge of publishing and printing regulations; skill in interpersonal relations.

File applications for the above with Linda Bego, Bldg. 34, Rm. 208, Ph. 2932.

Welder Helper, WG-3703-5, JD No. 356N, Code 34312 — Position is located in the Maintenance Utilities Division, Public Works Department. Assists journeyman welder in making all major and minor repairs that require welding, brazing, burning on metal structures, machine parts, steam, water and propane lines, trucks, tractors, etc. Assists with making repairs to all types of broken or non metal parts on all types of metals. Promotion potential to WG-10. Job Relevant Criteria: Reliability and dependability; ability to learn and advance (interest in welding); ability to follow directions in a shop; ability to work as a member of a team; safety and dexterity. Incumbent will be participating in a Pre-journeyman Development Program which will include closely supervised on the job and classroom training.

Electrician Helper, WG-2893-3, JD No. 144N, Code 34421 — Two vacancies are available for one year positions in the Maintenance Utilities Division of the Public Works Department. The incumbents assist journeymen in measuring, cutting, threading, bending, assembling, and installing conduit for connecting various panels, outlets, and boxes. Help install electrical conduit in wiring buildings; make simple splices and solder cables, help rewiring armatures, field and call, may replace defective wiring and make connections to new electrical installations. All work is done under direct supervision of a journeyman, or using detailed instructions. 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.

Wood Craftsman, WG-4605-10, JD No. 194-3N, Code 24444 — This position is in the Joiner shop in the Public Works Department. The incumbent constructs, installs, and repairs cabinet work, furniture, displays, models, and similar items. May construct and install doors, door jams, locks, sash, screen doors, picture frames, sinks and counter tops, and may perform minor framing and construction. Lays out work, cuts, saws, joins, nails, glues, and assembles lumber and allied material in repair of broken objects and in construction of new equipment. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; technical practices; ability to interpret instructions, specifications, blueprints, etc.; ability to plan set up, layout, and measure work common to the trade; ability to use and maintain tools and equipment safely; knowledge of materials common to the trade. Previous applicants need not apply; applications from status eligibles accepted.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 212, Ph. 2922.

Secretary (Typing), GS-318-3/4, PD No. 7932120N, Code 3138 — This position is located in the Survivability Evaluation Branch, Systems Development Department. The incumbent provides the computer support of the survivability of airborne weapon systems. Incumbent will provide general secretarial services to the 10-person branch including typing technical reports, maintaining administrative files, handling classified documents, and making travel arrangements. Job Relevant Criteria: Ability to type; knowledge of office procedures and practices. (Applications will be accepted from status eligibles).

Electronics Technician, GS-854-11, PD No. 7931197N, Code 3145 — This position is located in the Computer Engineering Branch, Avionics Division, Systems Development Department. Duties include responsibilities for electronic circuit and hardware designs that require applications of high speed digital design techniques. Incumbent provides technical support to on-going programs such as the A-7 Weapons Laboratory, the A-4M laboratory or the AV-8B/A-4M ARBS laboratory. Job Relevant Criteria: Knowledge of electronics design and packaging

### 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.

for both factual avionics and support equipment; knowledge of digital system development and packaging techniques; ability to manage the operation of a support facility.

Computer Aid, GS-335-4, PD No. 7912206, Code 3132 — This position is located in the Software Services Section, Computer Services Branch, Computer Services Division, Systems Development Department. Duties consist of updating and retrieving the contents of a data base systems; system debugging; System 2000 transfers. Job Relevant Criteria: Ability to revise programs by inserting corrections to a computerized data base system and a knowledge of computer operations, procedures and data flow. Promotion potential to GS-7. Applicants under the previous ad need not reapply.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2922.

Electronic Engineer or Physicist, GS-854-1310-13, PD No. 7932101E, (Interdisciplinary), Code 3432 — This position is located in the Missile Guidance Branch, Product Design Division, Engineering Department. The position is a missile guidance systems engineer for anti-aircraft missile systems. The incumbent will develop or revise the requirements for the missile guidance systems. This effort will require the determination of flight requirements and tactics along with enemy active and passive defense capabilities. Develops or updates specifications using knowledge of the seeker requirements guidance systems and radar and RF technology plus the relationship of the seeker to the guidance section and missile system. The incumbent will also be involved in all phases of guidance system development, production and testing and will provide direction for these efforts. The incumbent will also provide the systems engineering and moving targets design for the RF seeker semi-physical simulation laboratory now under development at NWC. A moderate amount of travel will be required. Job Relevant Criteria: The incumbent must have demonstrated expert skills and knowledge in the area of radar, RF and Guidance systems analysis and must be familiar with missile guidance systems; he must also be experienced in seekers with guidance sections and related missile systems. The incumbent must have demonstrated project management skills on significant efforts; must have demonstrated abilities in working with higher level management and in the field. Filling of position contingent upon classification approval.

Secretary (Typing), GS-318-3/4, PD Nos. 793217/218, Code 3422 — This position is located in the Systems Electronics Branch, Systems Engineering Division, Engineering Department. Incumbent performs a variety of secretarial/clerical duties in support of the branch head and other branch personnel including preparing correspondence, typing, maintaining records and files, obtaining supplies and support services, scheduling appointments, and acting as receptionist. Job Relevant Criteria: Knowledge of rules and procedures associated with correspondence preparation and records and files maintenance; ability to type (a qualified typist is required); ability to maintain effective working relationships with supervisor and coworkers; ability to meet and deal effectively with personnel from outside the branch in performance of receptionist duties; knowledge of spelling, punctuation, and syntax sufficient to identify and correct grammatical errors.

Electronics Technician, GS-854-8/9/10/11, PD Nos. 7932209/7932136/7932139/7932140N, Code 3431 — Position is located in the Guidance Branch, Product Design Division, Engineering Department. Incumbent will perform circuit layout, construction and test plus instrumentation and test fixture design and/or test program development (computer programming) work depending upon his/her position in the branch technician career ladder. Job Relevant Criteria: GS-8/9 Ability to layout, fabricate and troubleshoot miniaturized electronic equipment; knowledge of algebra, geometry and trigonometry as they impact the circuit analysis work. GS-10: GS-9 criteria plus working knowledge of ATE operating principles and procedures. GS-11: GS-9/10 criteria plus ability to develop ATE test procedures in the form of computer programs. Promotion potential to GS-11.

Machinist Helper, WG-2414-5, JD-494N, Code 34441, (3 vacancies) — This job is the entry level into the journeyman training program. The incumbent assists journeyman in all types of general Machinist work involving machine tool operation and the assembly, installation, and bench work required in the fabrication and repair of mechanical parts and assemblies. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 212, Ph. 2922.

Secretary (Typing), GS-318-3/4, PD No. 7932120N, Code 3138 — This position is located in the Survivability Evaluation Branch, Systems Development Department. The incumbent provides the computer support of the survivability of airborne weapon systems. Incumbent will provide general secretarial services to the 10-person branch including typing technical reports, maintaining administrative files, handling classified documents, and making travel arrangements. Job Relevant Criteria: Ability to type; knowledge of office procedures and practices. (Applications will be accepted from status eligibles).

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knowledge of radar performance, components and sub-systems; knowledge of and ability in guided missile evaluation and testing; ability to work with groups having conflicting goals and objectives; ability to perform detailed planning; ability to communicate both orally and in writing.

Supervisory Electronics Engineer, GS-855-12/14, PD No. 7735494E, Code 3541 — This position is held, Radar Development Branch in the Microwave Development Division, Electronics Warfare Department. The branch has 18 plus scientific/engineering positions. The branch mission is the analysis, synthesis, design, fabrication and integration of valid simulations of foreign surface-to-air missile systems, air defense artillery threat systems and jamming systems. These simulations include fully operating weapon director radars and countermeasures equipments. Exploitation of foreign material is performed to directly support simulator development. Job Relevant Criteria: Broad electronics R&D experience; recognized expertise in radar development, electronic warfare, and simulation techniques; experience in management of the development of a complete electronic warfare or radar system; demonstrated experience (or potential) to effectively function as a branch head.

With 2 sec. left to play in the game, Jerome Lee of Barstow looped in a 30 ft. shot that cut the Burros' final margin of victory to 64-62. Wirtz and Motte, with 19 and 18 points, respectively, were the top scorers for Burroughs in the game against Barstow and grabbed 11 rebounds each. Burroughs led 12-7 at the first quarter, 27-25 at the half, and had an edge of 42-38 at the end of three periods of play in the Barstow game.

(Continued on Page 5)

### Training opportunities

The Navy Scientist Training and Exchange Program (NSTEP) is designed to provide long term training opportunities for NWC employees grades GS-8 and higher. These training assignments are located in the Washington, D.C. area. The program is used for cross training and development of key personnel at the middle, senior and executive levels. The training varies from 6 months to 2 years depending on the assignment. The employee selected will go on the training assignment at his current grade level and position description. Applicants must be on the grade level listed in the notice. For information or to apply for the below listed training opportunities, contact Len Gulick, Code 035, Ext. 3793.

Interdisciplinary Position — General Engineer/Mechanical Engineer, Electronic Engineer, GS-801, 830, 833 (GS-12/13) located in the Naval Air Systems Command, Ordnance Branch, Armament Systems Division of NAVAIRSYSCOM(AIR 513). The incumbent will serve in a one year training assignment. During that period, the NSTEP participant will become involved in the management of fuzze acquisition for several programs, including Phoenix, Sparrow and Sidewinder. The immediate supervisor for this assignment will be AIR 54132. Training Objectives: The overall objective is to provide the NSTEP participant opportunities to gain a broad understanding of the NAVAIR Missile fuzze and ordnance responsibilities. Duties To Be Performed: The incumbent will assist and advise in providing program management and support and coordination in the technical and planning activities in the Ordnance Branch of the Armament Systems Division. Qualifications Required for the position: The participant must have knowledge of and a minimum of five years experience in the engineering aspects related to the development, design, production and operational use of missile-fuzze systems.

Electronic Engineer, GS-12/13/14 located at the Naval Air Systems Command, Harpoon Project Program Office, (NAVAIR 59-58) Washington, D.C. General Information: The incumbent shall serve in a one-year training assignment which will provide him/her with on the job training in Systems Command functions, roles, and procedures in the planning and management of major systems in the area of air/anti-air warfare. His/her immediate supervisor will be the Harpoon Acquisition Manager (NAVAIR 59-58). The assignment is designed to provide: a comprehensive working knowledge of SYSCOM systems acquisition management; a broader perspective of weapons requirements in the Navy and DoD; knowledge of the expertise available at various field activities that can be utilized in support of major weapons systems acquisition; and experience in operational concepts that relate to technical performance achievement. Duties of the Position: The incumbent will be assigned to the NAVAIR Harpoon Acquisition Manager's Office and will train under the Harpoon Missile Project Engineer. On the job training is expected to provide the incumbent knowledge and skills in the following areas: evaluation of original designs on the missile system for suitability for program development; review of plans, designs and reports in order to provide guidance and direction from a technical management acquisition process; test and evaluation methods; warhead and fuze systems; missile system containers, propulsion systems, and DoD procedures, operations and methods. Ability to clearly communicate verbally and in writing to various levels of diverse personnel on appropriate technical and management matters. Ability to understand, analyze, and coordinate technical portions of a complex major missile program.

Interdisciplinary/Engineer (all series), Physicist, Physical Scientist, Mathematician (GS-14), Staff Assistant to Chief of Naval Operations, located in the R&D Plans Division (OP-987), Office of Director of Research, Development, Test, and Evaluation, Chief of Naval Operations, Washington, D.C. Developmental Opportunity: This is a one-year developmental assignment as Staff Assistant to the Chief of Naval Operations (OP 987). The selectee will work directly for the Division and the Deputy Division Head. This developmental assignment presents an excellent opportunity to gain experience working with all requirements, planning and appraisal aspects of programs at the Chief of Naval Operations level. The selectee will be primarily involved in the Air/Anti Air Warfare Program. Training Objective:



DIVINE SERVICES. PROTESTANT: Sunday Worship Service 1000, Sunday School—All Ages 0830, 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 Study 1130, Thursday Men's Prayer Breakfast 0630. ROMAN CATHOLIC: MASS 0830-1130, Nursery, Chapel Annex 1 0815-1245, Daily except Saturday, 1135, Blessed Sacrament Chapel. CONFESSIONS: Daily 1115 to 1130, Sunday 0800 to 0825. RELIGIOUS EDUCATION CLASSES: Sunday Pre-school thru 11th grade 1000. Above classes are held in the Chapel Annexes across from the former Center Restaurant. Sunday afternoon 12th grade 1630. As announced "In Home" Discussion Groups and Youth Rallies Contact Chaplain's Office for specifics. JEWISH SERVICES: EAST WING—ALL FAITH CHAPEL: Sabbath Services every Friday 1930. CHAPEL ANNEX 95: Sunday Services—(Sept.-May) 1930.

### Tourney champs . . .

(Continued from Page 6)

Barstow in the semi-finals of the San Bernardino tournament was a close game that ended in a wild finish.

In the last minute of play, Wirtz hit a field goal that gave Burroughs a 58-56 lead, and Heyward cashed in on two free throws to make it 60-56 in favor of the local high school hoopers. Jud Beardsley of Barstow tallied for his team to tie the score at 60-60, but Wirtz hit another 2-pointer putting Burroughs ahead 62-60 and Drake tallied twice from the charity stripe to boost the local team's lead to 4.

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Wirtz and Motte, with 19 and 18 points, respectively, were the top scorers for Burroughs in the game against Barstow and grabbed 11 rebounds each.

Burroughs led 12-7 at the first quarter, 27-25 at the half, and had an edge of 42-38 at the end of three periods of play in the Barstow game.

The Fontana Steelers played a slow, methodical type of game against Burroughs in game No. 2 of the San Bernardino tourney. The result was a low-scoring first half that ended with the Burros in the lead 19-17.

Midway through the third period, however, the Burros' tough pressing defense coupled with four straight field goals by Drake, enabled the BHS cagers to open up a 36-24 lead as the fourth quarter began.

This turn of events snapped the Steelers out of their delay-type game, but the Burros maintained control by outscoring their opponents 20-19 in the final 8 min. of action to win by a score of 56-43.

Gene Hough of Fontana was the game's high point man with 18, including 9 points in the fast-moving fourth quarter. Drake led Burroughs with 16, followed by Wirtz, who tallied 11.

During the first game of the tournament, the Burros walloped their big city rivals from San Bernardino High 104-63 as they rolled up their highest scoring total so far this season.

In this free-scoring fracas, the Burros tallied 28 points in the first quarter and 22 in the second to surge ahead 50-35 at the halftime intermission.

Everyone on the BHS squad had the chance to play in the game against San Bernardino, but the scoring deluge continued in spite of the use of reserves. By the end of the third period, the Burros' lead had increased to 27 points (74-47), and the local varsity cagers hammered the hoop for 30 more points in the fourth quarter to win, going away, by a 41-point margin of 104-63.

Wirtz was the game's high point man with 24 and nabbed an impressive total of 19 rebounds, while Motte scored 23 points for Burroughs and pulled down 10 rebounds. Wirtz and Motte shot with exceptional accuracy as they hit on 10 of 14 and 10 of 13 field goal tries, respectively. In addition, Curtis Edmonson chalked up 13 points for Burroughs.

### Burros win Golden League opener 82-48

Holding the upper hand throughout the contest, the Burroughs High boys' varsity basketball team opened the defense of its Golden League title by posting an 82-48 win over the Quartz Hill Rebels on Wednesday night at the BHS gym.

Mike Wirtz, stellar forward, led the Burros with 25 points (including 11 in the first quarter) in this initial league contest of the 1980 season.

Other leading scorers for Burroughs were Steve Motte, who tallied 14, and Billy Brown, who chipped in 10.

The Burros made it look easy as they built up a 20-point halftime lead of 36-16, and pulled away to a 26-point margin of 58-32 at the end of three periods of play. In the final 8 min. of action, the BHS cagers tallied 24 points to win by a 34-point spread of 82-48.

Tonight the Burros will be in Lancaster for a league game against Antelope Valley. Tip-off time for the varsity tilt is 8 p.m.

## employee in the spotlight

Lloyd Pohl



By Mickey Strang

"I'm still basking in the glow of getting the official notice in the mail that I passed the bar exam," says Lloyd Pohl, NWC's newest attorney.

Actually, he knew that he had passed before that notice arrived because the staff of the NWC Patent Counsel's Office, where he has worked for the past 8½ years, had telephoned Los Angeles on the day the bar examination results were posted, and had placed a sign on his desk congratulating "Dr. Pohl." (A law student who holds a basic or advanced degree in another subject receives a Doctor of Jurisprudence degree on successfully completing law school. He cannot, however, practice law in California before passing the bar examination.)

"Aside from achieving my goal of becoming a lawyer," Pohl adds, "it's so good not to have to spend my weekends on the road to Los Angeles."

### Commutes 48 of 52 Weekends

For the past four years he has been commuting 48 out of 52 weekends to the Glendale University College of Law to attend class. The first two years he carpooled with Jerry Baker, but when Baker completed the studies for his degree, the trip had to be made alone.

The desire to become an attorney was not one that Pohl had cherished from childhood. While at Chadron State Teachers College in Chadron, Neb., he was a pre-med student, but switched to a chemistry major for graduate school at the University of Nebraska.

He first put his knowledge of chemistry to use professionally while working in the Patent Office in Washington, D.C., but neither he nor his wife Edella, a medical technologist, liked living and working in the nation's capital because "there were entirely too many people there."

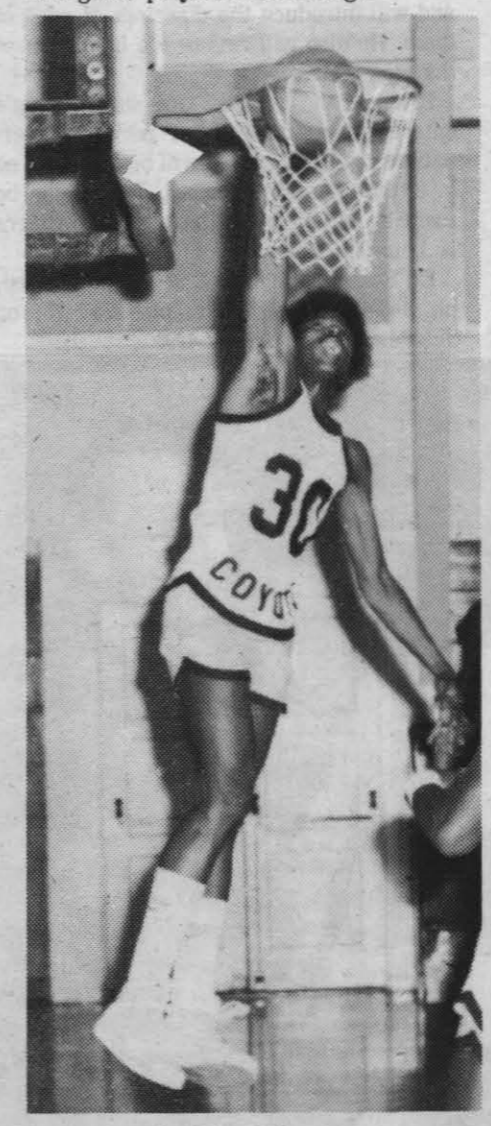
### Cerro Coso . . .

(Continued from Page 6)

led the CCCC team with 23 points in this game.

On Dec. 22 at the College of the Canyons, the Coyotes snapped a 7-game losing streak by posting a last-second 86-85 win. A 20-ft. jump shot by Chavis pulled the game out of the fire for the local college team.

Last Saturday night, the Coyotes suffered their second loss of the current season to San Diego City College by a score of 110-80 in a game played at San Diego.



John Hall

## Rifle marksmanship training class planned by Sierra Desert Gun Club

The Sierra Desert Gun Club has completed plans for once again offering a rifle marksmanship training course for beginners.

The course—a combination of classroom instruction and firing of .22 caliber rifles—will be held at the club's rifle range and clubhouse facilities located on Sportsman Lane, China Lake.

Registration will be held from 9 a.m. to 1 p.m. on Jan. 12 and 19 and on Jan. 15 and 16 from 7 to 9 p.m. at the Sierra Desert Gun Club's clubhouse.

A fee of \$20, payable at the time of registration, will be charged each student to cover the cost of ammunition and materials.

### League play . . .

(Continued from Page 6)

the Bebops and Randy Johnson of the Nuggets, who tallied 20 and 17 points, respectively, highlighted the Bebops' 68-53 win over the Nuggets.

The Brown Sugar team continues to set the pace in Division C of the China Lake Intramural Basketball League, following a pre-holiday week 40-30 win over the last place Fat squad. Larry Rafael was the leading scorer in this game with 13.

The inmates remained within striking distance of the division leaders by chalking up a 37-31 win over the Comarco Chickenhaws. The inmates, who have a 3-1 record compared to 4-1 for Brown Sugar, were led in the scoring department by Dan Ward, who tallied 14 points.

In two other Division C games, the Poochies defeated the Comarco Chickenhaws, 33-26, but then lost a close game, 26-24, to Fat.

Rick Noland scored 12 points in a losing cause for the Chickenhaws during their loss to the Poochies, while Ron Wright led Fat to its first victory of the season with a 10-point scoring effort. Rudy Muro also hit 10 for the Poochies in this low scoring game.

From Washington they moved to Wright-Patterson Air Force Base in Dayton, Ohio, which, he says, "was better, but not much. We both came from Nebraska, and we like open space."

When the opportunity arose to transfer to the Office of the Patent Counsel at NWC, Pohl was delighted to make the move. His wife, he says, likes it even better here than he does.

"Edella," Pohl says, "is even happier than I am that I don't have to spend all my weekends commuting because she won't have to take the kids out on the roads weekends by herself any more."

### Has Young Athletes in Family

With three who are as active athletically as Mark, 17; Amy, 11; and Matt, 6, parents are bound to spend many weekends attending various athletic competitions.

The family interest in sports began with Pohl, who played football and baseball in college, and has coached Youth Center basketball. The young Pohls, however, have a wide range of sports interests.

Mark has been competing in modern pentathlon events; he has spent the past four summers at the Army's year-round pentathlon training center where potential Olympic Games competitors train.

Amy has been a competitive swimmer, and young Matt currently bounces around the soccer field in the Youth Center Soccer League games, swims, runs for the Matranglo Millers, plays judo, and is signed up for the Youth Center basketball program.

Proud father Lloyd adds that he's really looking forward to being able once more to get into the swing of youth athletics with the law degree and successful examination behind him.

Person 18 year of age and older who are interested primarily in receiving a California State Hunter Safety Certificate and do not wish to participate in the marksmanship phase of the course may audit the classroom sessions by paying a registration fee of \$5.

Material to be covered in this course, which will end on April 20, will include a thorough indoctrination in all aspects of safe handling of firearms; principles of marksmanship; proper care and cleaning of firearms; wildlife conservation and game laws; local, state and federal gun laws; wilderness survival; proper clothing for hunting; and California Hunter Safety Certificate requirements.

Additional information can be obtained by calling either Cecil Daley (ph. 446-4187) or Robert Gould (ph. 375-9170).

### \$567 million spent at commissaries in FY79

Patrons of the 82 Navy Commissary Stores worldwide spent \$576 million during Fiscal Year 1979.

Based on studies showing that Commissary shoppers save an average of 20 percent on groceries, it would have cost \$720 million to make these purchases "on the outside."



Recreation Roundup

**Capt.'s Cup action slated in water polo, racketball**

Preparations are now being made for the next two events in the Captain's Cup athletic competition.

Teams representing NWC Blue (Code 612), NWC Blue and VX-5 will be competing in innertube water polo and racketball on the following dates and times:

Water polo — NWC Gold vs. VX-5, Jan. 14; NWC Blue vs. NWC Gold, Jan. 16; and VX-5 vs. NWC Blue, Jan. 21. All innertube water polo games will start at 7 p.m. at the indoor swimming pool.

Racketball — NWC Blue vs. VX-5, Jan. 24; NWC Gold vs. VX-5, Jan. 28; and NWC Gold vs. NWC Blue, Jan. 29. Starting times for matches to be played on the dates indicated are 6, 7, 8 and 9 p.m.

Water Exercise Classes

A six week series of water exercise classes for women, taught by Joan Renner, will begin next week at the indoor swimming pool.

One series of classes will be held on Mondays and Wednesdays, from 9 to 10 a.m., starting Jan. 7, and another will be held from 1 to 2 p.m. on Tuesdays and Thursdays, starting Jan. 8.

Registration is being handled at the Recreation Coordination Office, located next door to the Center gym, phone NWC ext. 2010. There is a charge of \$24 for 12 classes.

Early Morning Swimming

On a trial basis to determine the amount of interest there is in such an activity, the indoor swimming pool will be open Monday through Friday, from 6 to 7:30 a.m., beginning on Jan. 14, to persons interested in exercising by swimming laps at the pool.

A fee of 50 cents per day for civilians and 25 cents for military personnel will be charged.

Athletic Committee Meeting

The next meeting of the Military Athletic Committee will be held on Thursday, Jan. 10, starting at 3 p.m. in the conference room of the Special Services Division building.

**BHS varsity wins San Bernardino basketball tourney**

Burroughs High School's boys' varsity basketball team presented its coaches and fans with an after-Christmas gift by winning the championship of the prestigious Kiwanis-sponsored tournament staged annually in San Bernardino.

It's the first time the Burros have ever won a tournament of this caliber, and Coach

Larry Bird was highly pleased not only over the tourney championship but also because of the team's pre-season record of 8 wins and just 2 losses, despite the fact that all 10 pre-league games were on the road.

In the reverse order that the San Bernardino tournament games were played, the Burros varsity hoopsters defeated

Eisenhower High, 73-59; Barstow High, 64-62; Fontana High, 56-43; and San Bernardino High, 104-63.

The Burros had a hot shooting hand throughout the tournament. They hit on 58 percent of their field goal tries against Eisenhower High in the tourney championship tilt, and had a consistently high field goal shooting percentage against their other tourney foes, as follows: Fontana, 61 percent; Barstow, 59 percent; and San Bernardino High, 54 percent.

Mike Wirtz, forward for Burroughs, was singled out as the tourney's most valuable player, and he and Steve Motte, the BHS center, were chosen on the all-tournament team.

In the tourney championship tilt against Eisenhower High School, the Burros opened up with an 8-point lead by hitting their first four field goal attempts, and had another hot streak at the end of the first 8 min. of action as they built up a 16-11 first quarter lead.

Both teams were even (18 points each) in the second quarter, but the Burros knew they were headed for trouble if they couldn't contain Mike Clark of Eisenhower (considered to be the best center in the Citrus Belt League) since Clark tallied 10 points in the second period.

The BHS varsity came on strong again in the third quarter. Not only were the local high school hoopsters successful in shutting off Clark (he picked up just 2 points), but Wirtz tallied 8 of the Burros' 19 points in the third period and the Burroughs High hoopsters built up a 14-point lead of 55-41.

The Burros went into a semi-control type of ball game in the fourth period — taking only 8 shots from the floor and hitting on 6 of them. They also made good on 6 of 10 shots from the charity stripe for 18 points. Their opponents from Eisenhower High also scored 18, but the Burros had the game in the bag thanks to the 14-point lead built up in the third period of play.

Leading scorers for Burroughs in the Eisenhower game were Motte (23), Wirtz (14), Dalton Heyward (12), and Richi Drake (10). Three Eisenhower players were in the double-figure scoring column. They were Clark (20), Mitch Harris (14), and Joe Hernandez (12).

The 2-point win by Burroughs over

(Continued on Page 7)



Photo by PH 2 Tony Garcia

**NWC VARSITY BASKETBALL TEAM** — In preparation for 11th Naval District basketball competition, the NWC varsity basketball team will travel to San Bernardino tomorrow for a game against the Norton Air Force Base cagers. The local squad, coached by Chief John Smith of VX-5, lost its most recent game in mid-December to Edwards AFB by a score of 86-67. Players on the NWC varsity team are (kneeling, l.-r.) Buzz Gibbs, Basil Robinson, Skip McIntosh, Mark Lehman, Jud Neidigh, and Derrick Graves, and (standing, from left) Willie Hutchinson, Barry Adams, Jim Carr, Coach Smith, J. W. Spells, and Ken Gibson.

**NWC hoopsters slate games tomorrow, next weekend to prepare for 11th ND competition**

A trip to San Bernardino is on tap tomorrow for members of the NWC varsity basketball team, who have a game scheduled at 3:30 p.m. against their counterparts at Norton Air Force Base.

According to Chief John Smith of VX-5, coach of the NWC varsity hoopsters, tomorrow's game and two more that will be played in the Center gym against a visiting squad from Port Hueneme on Saturday and Sunday, Jan. 12 and 13, are in preparation for the 11th Naval District basketball competition that is coming up soon.

In mid-December, the NWC varsity cagers were on the road for a game at Edwards Air Force Base which they lost to the airmen by a score of 86-67.

Thanks to a 22-point scoring effort in the first half by Skip McIntosh, guard and forward for the local team, the China Lakers left the court at the halftime intermission leading by a score of 44-40.

In the second half of the game, however, the Edwards team switched from a zone to a

man-to-man defense and the NWC varsity team had trouble scoring.

In the first 10 min. of the second half, the Edwards AFB hoopsters outscored the locals 26-6 to take a comfortable lead of 66-50. The airmen went on from there to win by a 19-point margin (86-67).

The two teams were evenly matched in height, but the China Lakers made a number of mental errors while trying to get their offense rolling against the Edwards AFB team's man-to-man defense, Coach Smith said.

McIntosh of NWC was the game's high point man with 34, and Buzz Gibbs, a teammate at guard, tallied 10.

Leading scorers for the Edwards AFB cagers were Moseley (25), McKuse (15), and Richmond (14).

In earlier games, the China Lakers came out on the short end of an 87-86 final score in a game played at the San Diego Naval Station, and were outscored 102-80 by North Island.

**Cerro Coso squad to open conference basketball schedule**

John Hall, high scoring forward for the Cerro Coso Community College basketball team, will lead the Coyotes against College of the Desert in the Desert Athletic Conference 1980 season opener tomorrow night. Tip-off time for the conference opener, which is to be played at the Naval Weapons Center gym, is 7:30 p.m.

During the coming week, the Coyotes have two more home games. On Monday, starting at 7 p.m., the Cerro Coso College cagers, will host Porterville College in a non-conference tilt. On Wednesday, Jan. 9, it will be the Coyotes vs. Mira Costa in another conference clash at the NWC gym. Tip-off time is 7:30 p.m.

During the Christmas holiday season, the Coyotes were on the road for games at Santa Monica College and at San Diego City College, in addition to competing in a tournament at Pasadena.

At Santa Monica, the Cerro Coso College cagers suffered their fifth straight non-conference loss by a score of 78-72. Forwards Hall and Danny Chavis led the Coyotes, who had only five players available for the game, by scoring 26 and 23 points, respectively.

Despite a season high total of 42 points scored by Hall, the CCC hoopsters were defeated 98-91 by Pasadena College, the host team in the tournament at Pasadena. The Coyotes were then eliminated from tourney competition as the result of a 100-75 defeat by the Fullerton College squad. Hall

(Continued on Page 7)

**CL Intramural Basketball League results reported**

Following a two-week break for the Christmas-New Year's holiday, action resumed last night in the China Lake Intramural Basketball League.

During the week prior to the holidays, the Loewen's A team ran its undefeated record to five straight games by posting an exciting 63-62 win over the Sports Etc. Raiders.

The Loewen's squad, which has a firm grip on first place in Division A, led 35-24 at halftime but had to hold off a second half rally by the Raiders to win by the narrow margin of a single point. Top scorers in this contest were Steve Nathan (of Loewen's) and Les Bazemore (of the Raiders), who tallied 16 points each.

In two other Division A matchups, Desert Motors outscored the Sports Etc. Raiders, 47-43, and the Shooters blasted Seattle II 60-32.

Michael Rindt, of Desert Motors, was his team's top scorer with 14 in the win over the Raiders. Three players for the Raiders — Alan Robertson, Glen Polk, and Jerry Pangle — chipped in 8 points each. The halftime score was 21-15 in favor of Desert Motors.

The Shooters moved into second place in

Division A by virtue of their lopsided 60-32 win over the Seattle II squad. Al Sorenson chalked up 12 points to lead the Shooters in the scoring department, but his total was one shy of the 13 tallied by L. T. Lowery for Seattle II.

Burger King and Loewen's were the co-leaders in Division B with identical records of four wins and no losses at the pre-holiday

China Lake Intramural Basketball League (Results as of Dec. 21)				
Team	Won	Lost		
<b>Division A</b>				
Loewen's A	5	0		
Shooters	3	2		
Sports Etc. Raiders	3	3		
Desert Motors	2	3		
Seattle II	0	5		
<b>Division B</b>				
Burger King	4	0		
Loewen's B	4	0		
Bebops	2	3		
Night Stalkers	2	3		
Nuggets	1	4		
James Gang	1	4		
<b>Division C</b>				
Brown Sugar	4	1		
Inmates	3	1		
Poochies	3	2		
Pizza Villa Floorburners	2	2		
Comarco Chickenhawks	2	3		
Gas Bags	1	2		
Fat	1	5		

break in Intramural League basketball play.

Burger King retained its unblemished record by a second half surge that resulted in a 62-53 win in a game played against the Bebops. High point man in this contest was Terry McRoberts, of the Burger King squad, while Tony Jeanjaquet led the Bebops with 13.

The Loewen's B hoopsters had an easier time of it as they defeated the Night Stalkers 77-46. Gary Smith, of Loewen's, was the game's top scorer with 22, while Mark Lehman tallied 22 in a losing cause for the Night Stalkers.

In two other Division B games played prior to the layoff for the holidays, the Night Stalkers were edged 56-54 by the James Gang, and the Bebops downed the Nuggets 68-53.

A second half rally enabled the James Gang team, which trailed 37-22 at halftime, to pull out a 56-54 victory over the Night Stalkers. Tom Chapman and Steve Mendenhall netted 14 points each for the victors, but the game's high point man was Kevin Mason of the Night Stalkers, who tallied 18.

A scoring duel between Scott Robbins of

(Continued on Page 7)



**CONFERRING** — Bob Hillyer, NWC Technical Director, and Dr. James Probus, Director of Navy Laboratories, discuss the merit pay aspects of the Civil Service Reform Act prior to briefings conducted by Dr. Probus for all NWC high grade personnel. The information presented covered the Navy-wide procedures regarding merit pay rather than those which would be implemented locally under the proposed Demonstration Project. —Photo by Ron Allen

**NWC ahead of game on energy savings—thanks to early start**

By Presidential mandate all Federal establishments must cut energy consumption of existing facilities by 20 percent by 1985 compared to 1975 consumption; NWC has already achieved more than a 13 percent reduction in overall energy use.

The Navy's straightline goal for the end of fiscal year 1979 had been an 8 percent reduction compared to fiscal year 1975, with a 5 percent reduction to be achieved during this past year. According to Cdr. J. L. Renzetti, Director, Energy and Utilities Division, Naval Facilities Engineering Command, Navywide figures indicate that these goals are not being met.

The Center's outstanding success in achieving its conservation goals is due in part to an early start on conservation following the first energy crisis in 1973.

In 1973 the Center's peak electrical load was 25.1 megawatts. A three-megawatt peak load drop was achieved by the 1975 base year for government conservation programs, and 1979 Center peak load was less than 17 megawatts.

Southern California Edison presented a special Energy Management Award to NWC on Oct. 12, 1979, for its conservation practices. NWC total electrical use declined 15.1 percent between 1975 and 1979, and on-peak demand declined 26 percent.

The Center takes great pride in the overall 13 percent reduction that has been accomplished to date, particularly in view of the Navywide results thus far.

The Energy Office has benefited greatly from command and management support and involvement of all departments, particularly in view of the Navywide results thus far.

**Briefings on high energy lasers slated Thursday**

A briefing on Navy and Department of Defense (DoD) high energy laser programs will be given next Thursday, Jan. 10, at 3:30 p.m. in Conference Rm. 1 of Lauritsen Laboratory.

The speaker will be Dr. James L. Stanford, head of the Physical Optics Branch in the NWC Research Department's Physics Division. He will discuss the Research Department's role in DoD high energy laser programs. Attention will be focused on research, development, and evaluation programs in the area of high energy laser optical component technology.

Recent results from research and test programs will be outlined. All those who attend must have Confidential clearance.

ticularly through the active participation of the Department Energy Representatives.

As might be expected, the "easy" reductions are discovered and implemented first. Achieving the additional energy savings needed to boost the Center's 13 percent reduction to attain the 20 percent goal will be increasingly difficult.

The Center faces this challenge with confidence that a number of "technical fixes," such as the use of sophisticated automated control systems, plus a continuing broad program of energy conservation involving every individual on the Center, will continue to make NWC a leader for the Navy in meeting the 20 percent goal.

**New rental rates effective Feb. 1**

TYPE	SHELTER RENT	UTILITIES	TOTAL
Capehart-Sierra (4)	\$373.50	\$97.20	\$470.70
Capehart-Panamint (4)	339.00	103.50	442.50
Capehart-Coso (3)	354.00	91.80	445.80
Capehart-Panamint (3)	324.00	93.00	417.00
Capehart-Joshua (4)	304.50	96.90	401.40
Capehart-Tamarisk (3)	279.00	92.70	371.70
Capehart-Yucca (3)	294.00	91.80	385.80
Capehart-Juniper (3)	279.00	84.90	363.90
SSQ Saratoga (3)	318.00	153.60	471.60
Wasp Circle Duplex (3)	254.00	103.21	357.21
Hill Duplex (3)	268.50	90.60	359.10
Hill Duplex (2)	219.00	78.30	297.30
SOQ (4)	549.00	116.70	665.70
SSQ (3)	344.00	148.50	492.50
JQJ Rear Terrace (3)	333.00	93.30	426.30
JQJ Front Terrace (A) (3)	299.10	91.50	390.60
JQJ Front Terrace (B) (3)	299.10	88.50	387.60
JQJ Rear Terrace (2)	264.00	77.70	341.70
JQJ Front Terrace (2)	243.00	76.80	319.80
MOQ (3)	298.50	107.70	406.20
Old Duplex (2) Dining Addition	244.00	79.20	323.20
Old Duplex (2)	214.00	77.10	291.10
Old Duplex (3)	259.00	93.30	352.30
Old Duplex (1)	149.00	67.80	216.80
Old Apartment (1)	135.00	77.20	212.20
Old Apartment (2)	154.00	70.80	224.80
Old Apartment (3)	189.00	49.80	238.80
Dormitory-Single with Private Bath	125.00	26.70	151.70
Single with Semi-Private Bath	100.00	26.70	126.70
Double with Semi-Private Bath	75.00	24.00	99.00
Dormitory Apartment	155.10	41.70	196.80
BOQ with Grounds Maintenance (1)	180.00	37.80	217.80
without Grounds Maintenance (1)	150.00	37.80	187.80
with Grounds Maintenance (0)	155.10	34.50	189.60
without Grounds Maintenance (0)	125.10	34.50	159.60
Motel Apartment			
with Grounds Maintenance (1)	180.00	37.80	217.80
without Grounds Maintenance (1)	150.00	37.80	187.80
with Grounds Maintenance (0)	155.10	34.50	189.60
without Grounds Maintenance (0)	125.10	34.50	159.60

**Preparations now being made for Bluejacket of Year banquet Jan. 19**

Preparations are in full swing for the annual NWC Bluejacket of the Year banquet, which will be held on Saturday, Jan. 19, at the Enlisted Mess.

The evening will begin at 6:30 with a social hour, and dinner will be served at 7:30. Introduction of the Bluejacket candidates will be made after dinner, as will announcement of the 1979 winner.

The Bluejacket of the Year banquet is sponsored annually by the Indian Wells Valley Council of the Navy League. Local Navy Leaguers have chosen this year to honor outstanding enlisted sailors assigned to duty at the Naval Weapons Center.

Guest speaker of the evening will be Capt. William B. Haff, NWC Commander, and the master of ceremonies will be Harry Parade.

**Housing rental rates to go up effective Feb. 1**

Information on the annual adjustment in civilian shelter charges and utility rates for Naval Weapons Center housing facilities has been received from the Western Division of the Naval Facilities Engineering Command in San Bruno, Calif.

The new shelter rent and utility charges that will be in effect during 1980 (starting on Feb. 1) are the result of a mandatory five year appraisal of rates and changes in the civilian community. The average increase is approximately 17 percent.

With the exception of a few all-electric homes that are included in the housing inventory on the Center, utility costs have gone up only slightly in most cases, and have dropped in a few instances.

A review of mobile home rental space has not been completed. Revised rents for them will be set upon completion of this task.

Active duty military personnel assigned to public quarters for which Basic Allowance for Quarters (BAQ) is deducted are not affected by this change in rental charges. The BAQ adjustments were effective at the time of the latest military pay increase on Oct. 1, 1979.

In addition to Capt. Haff, the list of honored guests includes Capt. Louis Aldana, NWC Vice Commander, and Mrs. Aldana; Capt. Paul Stephenson, Commanding Officer of Air Test and Evaluation Squadron Five, and Mrs. Stephenson; Col. Erin D. Smith, Marine Corps Liaison Officer, and Mrs. Smith, and OCS Gary L. Gillen, Senior Chief Petty Officer of the Command, and Mrs. Gillen.

The City of Ridgecrest will be represented by Mayor Don Chieze and Mrs. Chieze, and Vice-Mayor Vern Smith and his wife.

Vivian Boultinghouse, executive vice-president of the IWV Council of the Navy League, is chairman of the Bluejacket of the Year banquet. Among those assisting her with preparations for this gala event are Tom Andress, Navy League president; Loren Kinne, membership chairman; and Mildred DeHarrold and Julie DeGraw, who are in charge of decorations.

Bluejacket of the Year banquet tickets are priced at \$8.50 per person for the beef and turkey buffet dinner that is planned. Tickets can be obtained by sending a check to Navy League, P.O. Box 1297, Ridgecrest, or ordered by calling any of following Navy League officers or directors:

Tom Andress, ph. 446-5763 or 446-5914; Irene Rainey, 377-4276; Loren Kinne, 446-5541; or Al and Mary Alvarado, 375-1996 or 375-2913.

Sunday, Jan. 13, is the deadline for ordering tickets to the Bluejacket of the Year banquet.

**TD Award . . .**

(Continued from Page 1) encrypting the telemetry signals emanating from U.S. developmental and operational weapon systems.

In 1978, the Naval Weapons Center was designated the lead laboratory for the development and demonstration of an airborne secure telemetry capability for the Navy. This effort is aimed at determining if the NSA-designed encrypting module meets Navy requirements.

Brown is the lead project design engineer for this program — one that is highly visible in the Office of the Chief of Naval Operations, and also is being closely monitored by the Army and Air Force as part of a triservice evaluation.

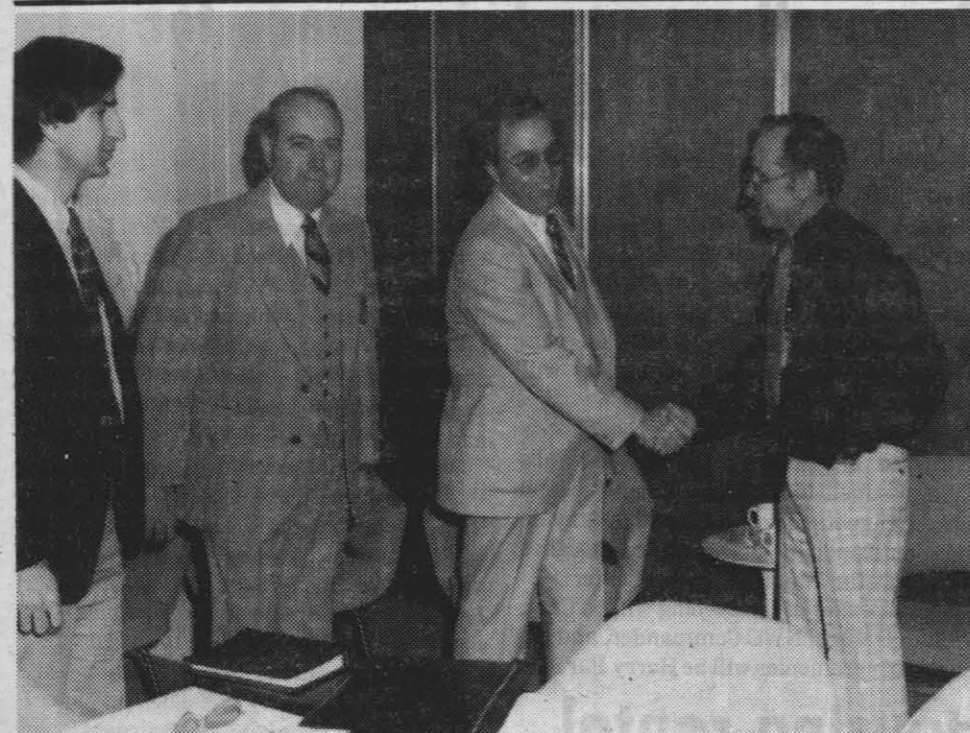
In nominating Brown for the NWC Technical Director Award, John DiPol, head of the Range Department, pointed out that Brown's responsibilities require considerable coordination between field activities within the Navy, Air Force, Army, NSA, and private industry. The TD Award recipient was commended for the way in which he simultaneously handled his technical leadership role and his branch head duties.

Started Out as Apprentice Brown is the lead project design engineer and was employed as an electronics mechanic apprentice. In four years' time he completed the apprentice program and began studies aimed at earning a bachelor of science degree in engineering.

He went on leave-without-pay for three years in order to obtain a BS in engineering, which he received at California State University in Fresno in June 1970, and then returned to work at NWC as an electronics engineer in the Engineering Department — doing work on the Shrike missile test set.

A year later, Brown became involved in telemetry work as an employee in the Test and Evaluation Branch of the former Weapons Development Department, and has continued working in the field of telemetry ever since.

For nearly five years, since all telemetry branches on the Center were merged into the Range Department, Brown has been a Code 62 employee. In recent years, he has been responsible for the F-18 Air Crew Escape Telemetry System, Night Observation Surveillance Aircraft Telemetry, Low Cost Controllable Booster Telemetry, TRI-FAST Telemetry, and Condor missile and aircraft telemetry.



**WELCOME ABOARD** — W. B. Porter (at right), head of the NWC Weapons Department, greets visitors to a recent meeting held here to discuss the Anti-Submarine Warfare/Standoff Weapon Program. Among those in attendance were (l.-r.) Louis Bisci, Linwood Baer, and Robert Trainor, all from the Naval Underwater Systems Center, Newport, R.I.

## Meeting held here to discuss ASW-Standoff Weapon Program

The Naval Weapons Center recently hosted a two-day meeting of representatives of the Naval Underwater Systems Center (NUSC), Newport, R.I. The visitors were here for briefings on the mission and capabilities of NWC, and for presentations on technical subjects pertinent to the evolving Anti-Submarine Warfare (ASW) Standoff Weapon Program.

The ASW Standoff Weapon Program sponsored by the Naval Sea Systems Command (NAVSEA) is a major system acquisition. For this reason, it must respond to the requirements of the Office of Management and Budget procurement policy 109-A. The program is structured to fully utilize the assets of Naval Laboratories.

This new long range, quick reaction weapon will replace the current SUBROC missile and will complement the Mk 48 torpedo in improving the Fleet's ASW capabilities.

NUSC is the Technical Direction Agent (TDA) and Submarine System Integration Agent (SIA), while the Naval Weapons

Center is the associate TDA for missile development.

The Naval Ocean Systems Center, San Diego, is currently supporting the development of an Advanced Lightweight Torpedo. It is the prime candidate for the payload of the ASW standoff weapon.

The Naval Surface Weapons Center, White Oak Laboratory, Md., will participate in the area of Surface Ship Integration and alternate payload integration.

### Visitors Welcomed

Visitors who traveled here for the meeting on the ASW Standoff Weapon Program were welcomed by W. B. Porter, head of the NWC Weapons Department. Hosts for the gathering were Dale Batchelder and John Milliken, of the Systems Prototyping Office in Code 39. Batchelder is the NWC program manager for the ASW Standoff Weapon Program, and Milliken is acting as his assistant.

NUSC was represented by Robert Trainor, the ASW/Standoff Weapon Program manager; Louis Bisci, who is on the Weapons Systems Staff; and Linwood Baer, head of the Missiles Division.

### Other NWC Participants

NWC employees who took part in the two days of presentations and working sessions were Hal Larsen, head of the Propulsion Analysis Branch (Code 3241); Bill Sutherland, an aerospace engineer in Code 3214, who is involved in weapons aerodynamics/performance; Paul Escallier, a mechanical engineer in Code 3273, who works on solid rocket propulsion, thrust vector control, and vertical launch test programs; and Alan Vokolek, a cost analyst in the Weapons Systems Cost Analysis Division (Code 081).

Other China Lakers present were Hal Nuffer, an engineer who works on guidance and control systems (Code 3913); M. K. Pladson, head of the NWC Engineering Department's Product Assurance Division; Dr. Robert Smith, head of the Radio Frequency Anti-Air Branch (Code 3911), and Joe Siebold, NWC program manager for the Medium Range Air-to-Surface Missile (Code 3904A).

### Energy conservation tip

Use the stove only when necessary, especially an electric stove. The power needed to raise the temperature of two quarts of water only 25 degrees on an electric stove requires 26 gallons of water at a hydroelectric dam site.

Housing Office should be contacted, and the new employee's sponsor should begin to discuss procedures to be followed and arrangements that must be made prior to arrival of the employee.

If requested and specifically authorized in writing by the applicant for housing, the sponsor can select the type of quarters, confirm the housing application and select the specific quarters to be provided the new employee. The latter step can be accomplished within 10 working days of the scheduled arrival of the new employee or military man or woman.

In some cases, the sponsor may be called upon to arrange for temporary quarters for the new arrival but, in all cases, the sponsor should arrange to meet the new employee upon his or her arrival and assist in seeing that the initial steps required as part of the housing assignment process are followed.

In summary, the Center is committed to assisting all newly arriving military and civilian personnel in locating suitable housing. Because an excess of family housing exists, all accompanied military personnel are mandatorily assigned to quarters on the Center. Newly hired civilian personnel will initially be provided Center housing and will be assisted in locating community housing on a long term basis.

purchasable housing is not or does not become available within the local community during the three year period.

In order to assist Center civilian personnel in locating suitable private housing during the first three years of their employment at China Lake, a Housing Referral Office (HRO) is being established and will be operated by the Housing Division in the NWC Public Works Department.

The HRO will obtain and maintain current information concerning housing in the community that is available for sale and/or rent. In order to do this, the HRO will work closely with the Ridgecrest Housing Committee and local real estate brokers, rental agents and sales agents. HRO representatives will not, however, intrude into the normal relations between private real estate brokers and/or agents and their customers.

The HRO will continuously monitor the availability of suitable housing in the community. If it becomes apparent that civilian housing is not available to satisfy the requirements of NWC civilian employees who would otherwise be required to relocate from on-Center family housing or bachelor quarters, the HRO will advise the NWC Commander via the chain-of-command in order that appropriate adjustments in Center housing policy may be made.

Under regulations contained in the new Housing Instruction, NWC civilian personnel who reside off-Center at the time that they begin working at China Lake, or who move from China Lake into the off-Center community may not relocate into Center housing. Requests for exception to this policy must be submitted in writing to the Public Works Officer via the individual's department head and the head of the Housing Division for consideration on a case-by-case basis. Approval will be granted only in cases of fully documented financial or personal hardship.

Strongly encouraged by the new Housing Instruction is the assignment of a sponsor for each newly hired civilian employee or military man or woman transferred to the Naval Weapons Center — a step that already has been taken here for military personnel.

The sponsor serves as the on-site contact between the Housing Office and the new employee or military man or woman. He or she insures that current information is available concerning the individual's housing requirements and his or her scheduled arrival date, and that the Housing Division is making appropriate preparations for the individual's arrival.

Just as soon as a civilian department on the Center is certain that a new employee at NWC will need housing at China Lake, the

## Details of Housing Instruction outlined . . .

(Continued from Page 1)

housing retention plan, and identifying specific types and numbers of housing units adequate to meet the projected requirements for the families of military and mission essential civilian personnel. This housing will be referred to as "retention area housing." A phased plan for disposal of housing outside the retention area, as it is vacated, will also be developed and updated periodically.

All housing in the "hill area" in the vicinity of the Commissioned Officers' Mess is in the "retention area" which is bounded by Ticonderoga Ave., Blue Ridge Rd.,

We have labored long and hard in developing this new housing instruction in an attempt to find the best possible balance among a number of factors: the needs of our military personnel and civilian employees, the current and future housing situation in our neighboring community, the recommendations of higher authority, and Navy housing policies.

In recognition of the importance of suitable housing to morale, many hours were devoted to this effort at all levels, including our top civilian and military management. We are committed to a continuing effort to insure that all our military and civilian personnel find suitable housing.

W. B. Haff

R. M. Miller

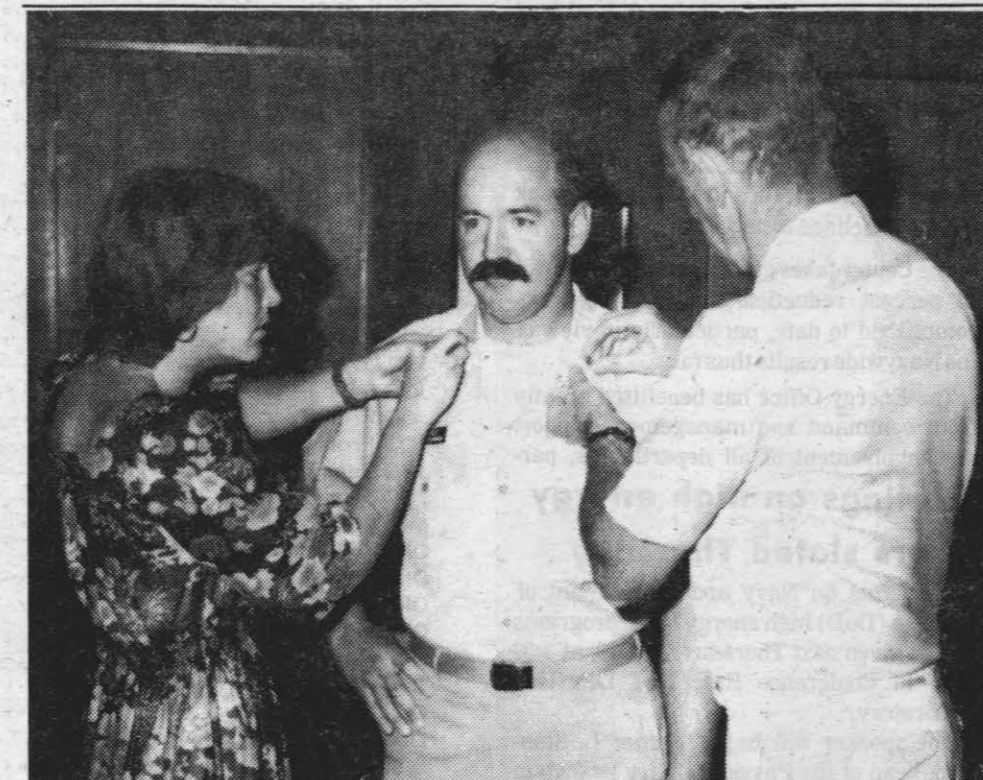
Saratoga and Bowen Aves., and Leyte and Midway Rds. Also in the "retention area" is that portion of Capehart B housing located west of Knox Rd.

The Capehart B area east of Knox Rd. and all other housing located south of Halsey Ave. eventually will be declared excess to the Navy's needs at China Lake and disposed of in the most practical manner possible.

In the future, newly reporting military families will be assigned to retention area housing only, unless a suitable unit is not available, in which case they will be initially assigned non-retention area housing.

Newly hired civilian personnel with accompanying dependents will be assigned family housing outside of the designated retention area. Single civilian personnel and those unaccompanied by dependents will be assigned to designated bachelor civilian quarters.

While new housing assignments are not expected to exceed three years from the date of initial occupancy, this three-year limitation may be extended on a case-by-case basis if suitable private rental or if



**FROCKED** — Ginger Hamaty and Capt. W. B. Haff, NWC Commander, pinned the new designation of rank on Lt. Jeff Lehman's collar when he was frocked as lieutenant commander recently. Frocking is a process whereby an officer receives all the rights and privileges of the next highest rank without receiving a raise in pay. Frocking is implemented when the officer has been selected for promotion but has to wait for a promotion date. Lt. Lehman is the HARM Project Officer. He reported to the Center in March 1978 from Attack Squadron 22 at Lemoore Naval Air Station. He is a graduate of the Naval Academy Class of 1970, and shortly thereafter entered flight training. He has been designated a Naval Aviator since December 1972.



**GETTING THE RECORD STRAIGHT** — PNSN Monica Ruis shows PNC B. T. Perez how to program a service record for the CADO IV-40 computer. Through a nationwide network of computer terminals, Navy pay and personnel records can now be updated or corrected rapidly, resulting in markedly better service for Navy personnel and their dependents. —Photo by Ron Allen

## PSD makes possible more accurate, readily available personnel records

One stop "shopping" for Navy personnel services that results not only in more convenience to Navy personnel but also more accurate record keeping and more rapid updating of files and records sounds too good to be true, but such a system has come about in the Navy with the establishment of the Pay / Personnel Administrative Support System (PASS).

PASS is implemented locally by the Personnel Support Activity Detachment (PSD) located in old Dorm 4 (Bldg. 456), across Blandly Ave. from the Housing Office and diagonally across the street from the Enlisted Mess.

PSD is an attached activity, administratively under the Personnel Support Activity (PSA) Long Beach. It will appear on NWC organization charts as Code 82, although it does not report to NWC Command.

The 11 military personnel and seven civilians who serve in the PASS office (a number well under the authorized billets) will handle military pay, personnel, Navy-sponsored transportation, and administrative support activities, not just for Naval Weapons Center personnel, but also for other attached activities such as Air

Test and Evaluation Squadron Five, the Naval Regional Medical and Dental Branch Clinics, and 12 other customer commands in the area.

Personnel data and pay data have been maintained in two separate systems: the Manpower and Personnel Management Information System (MAPMIS) and the Navy Joint Uniform Military Pay System (JUMPS). Both systems have been essentially manual. Field data for these systems has originated from over 3,500 personnel offices, more than 500 disbursing offices, and over 300 Reserve drill sites.

### Big Workload Leads to Delays

The monthly volume of paperwork from these offices has averaged 200,000 diary transactions, 95,000 optical character recognition forms, 316,000 Reserve drill and diary transactions, and 1,800,000 pay transactions. With such a volume of work, the manual systems designed around the technology and requirements of the 1950s and 1960s have resulted in delays and inaccuracies for personnel and pay matters.

PASS functions through a computer network that will enable accurate and rapid entries to pay and personnel records, and will also enable rapid queries, via computer, of any information that seems inaccurate.

### Will Also Handle Travel

The PSD will be responsible for all Navy-sponsored travel as well as civilian travel. The transportation function formerly served by the Office of Finance and Management, passports and visas, and internal security activities connected with travel will all be handled in this one office.

The Scheduled Airline Traffic Office (SATO) will also move in with the PASS office. As yet these two functions are not collocated with the PSD, but as space becomes available, all these operations will be moved into one building.

PASS has been in planning stages since 1976 when the Chief of Naval Operations requested the Chief of Naval Personnel to establish a flag-level steering group to develop the concept for a consolidated system of pay and personnel records, and to be responsible for implementing such a system if it were feasible.

### Pilot Offices Successful

Pilot offices were established and proved to be so successful that in October 1978 the Navy-wide implementation of PASS was approved. During the study and pilot operating stages it was determined that transportation functions could also be consolidated with the new system, and the first consolidated offices opened in January 1979.

The local PSD was established on Aug. 1. Equipment is still arriving, and personnel are still being moved in, but the PSD is operational.

CWO3 Dale Barnett, officer-in-charge, asks local customers to "please be patient. The system will work better. God — and the Navy — aren't finished with us yet."

## Autovon prefix for Center to change later this month

A change in the Autovon prefix for the Naval Weapons Center will be taking place during the latter part of January, according to a reminder issued recently by the Communications Division in the NWC Military Administration Department.

The exact cutoff date has not yet been set. When the change takes place, the new Autovon prefix will be 437 instead of the present one (245).

This change was directed by the Defense Communications Agency in coordination with the Commander, Naval Telecommunications Command, Washington, D.C. The change was brought on by a requirement for a sequential three-number series at another command.

## Career Expansion Workshop for Professionals begins Jan. 9

The deadline to apply for the first Career Expansion Workshop for Professionals to be held in the new year is Jan. 9.

The workshop includes a 3-hr. orientation session to be held from 1 to 4 p.m. on Wednesday, Jan. 9, and a 3½ day session to be held from Feb. 12 to 15, from 7:45 a.m.

until 4:30 p.m., in Rm. 205 of the Training Center.

The workshops are designed to increase motivation and planning on the part of individuals to achieve career goals and to help individuals explore career options.

While the content of the workshops is

basically the same, three different workshops are held: one for clerical GS-6 and below; one for trades, labor, security, technicians, and specialists; and one for technical, administrative, professionals and technicians. Participants have benefited the most from attending workshops where members of the group have some common interest and background.

At the orientation session the workshop is explained in detail and participants take tests aimed at identifying motivations, occupational interests, and personal and interpersonal style so that they may build from strength in planning future career and life directions.

Nominations for Career Expansion Workshops may be made at any time. Enrollment forms will be held by Carol Corlett, Code 094, and participants will be scheduled for the next available workshop.

## Promotional Opportunities . . .

(Continued from Page 2)

cupational Safety and Health Program. Job Relevant Criteria: Ability to type; ability to maintain systems of files and records; ability to work independently; ability to work effectively with others.

Safety Technician, GS-019.5, PD No. 7924029N, Code 244 — This position is located in the Industrial and Range Operations Safety Division, Safety Office, Safety and Security Department. Incumbent will operate the Safety Equipment Issue Room and will procure, issue and maintain personal protective equipment for NWC employees. Will also control, issue and maintain survey instruments used in safety and health monitoring. Will also administer the Vehicle Licensing Program. Job Relevant Criteria: Ability to deal effectively with others; ability to communicate effectively orally and in writing; mechanical abilities sufficient to perform minor maintenance of non-dependable equipment; ability to lift 50 lb.; recognized ability to exercise good judgment; recognized ability to be dependable and trustworthy.

File applications for the above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2118.

Administrative Assistant, GS-341.5 or 7 PD No. 792104N, Code 4202 — This position is located in the Range Department Staff Office and reports to the head of staff. The incumbent will be involved with management analysis, personnel management, and general administrative support (includes plant account and equipment management) for the Range Department. Supplement required. Status eligibles accepted. Job Relevant Criteria: Shows a good understanding of management principles and practices; methods and techniques. Establishes and maintains effective personal relationships in a work situation. Shows ability to expedite work where numerous "short-range" tasks are involved. Ability to work with personnel at all levels; ability to communicate effectively orally and in writing.

Communications Equipment Operator, GS-391.4 or 5, PD No. 7802929N, Code 6232 — This position is located in the Frequency Management Office in the Range Instrumentation Support Division. The incumbent is responsible for supporting range operations by providing frequency surveillance of the radio spectrum used during scheduled range operations. The surveillance work involves operating a variety of receiving equipment to observe, measure, analyze and record the signals received to prevent or eliminate radio frequency interference (RFI) of range operations. Job Relevant Criteria: Practical field experience in basic electronics and communications; reliability and dependability; ability to meet deadlines under pressure.

Interdisciplinary Position - Supervisory Mechanical Engineer, GS-830-13 or Supervisory Aerospace Engineer, GS-861.13, PD No. 7964047E, Code 4412 — This position serves as the head, Product Support Branch, Parachute Engineering Division, Parachute Systems Department. The branch is responsible for design, maintenance engineering, ILS, and production support of assigned parachute systems. The branch conducts quality assurance activities. Incumbent supervises the branch, manages the maintenance engineering functions, and assures that the fleet support functions are conducted. The GS-13 level is pending classification approval. Job Relevant Criteria: Knowledge of production and maintenance engineering principles as they pertain to parachute systems; ability to supervise; ability to interface with all levels of technical personnel; ability to communicate well both orally and in writing; ability to interface with fleet units over operational problems encountered with parachutes.

Interdisciplinary Supervisory Mechanical Engineer, GS-830-12/13, Supervisory Electronic Engineer, GS-855-

12/13, Supervisory Aerospace Engineer, GS-861-12/13, PD No. 7964046E, Code 4422 — This position serves as head, Test Support Branch of the Test Engineering Division, Parachute Systems Department. Incumbent supervises a branch of 13 employees performing test planning, instrumentation design/fabrication, and test vehicle design for the testing of developmental parachute systems. Job Relevant Criteria: Knowledge of test vehicle design; knowledge of telemetry and photographic data collection and processing techniques; knowledge of flight test procedures and test reporting requirements; ability to communicate effectively both orally and in writing; ability to supervise and manage a technical work force. GS-13 level is dependent upon classification by Western Field Division, San Diego.

File applications for the above with Bonnie Owens, Bldg. 34, Rm. 204, Ph. 2577.



**MOVING ON UP** — During a frocking ceremony held at the weekly Commander's meeting, Capt. William B. Haff, NWC Commander, pins the silver oak leaf insignia of commander on the shirt collar of Bruce Jackson, head of the Geothermal Technology Branch in the Public Works Department's Geothermal Utilization Division. Frocking is implemented when an officer or chief has been selected for promotion but has to wait for a promotion date. He or she receives all the rights and privileges of the next highest rank without receiving a raise in pay. Cdr. Jackson, who has a bachelor's degree in geological engineering from the University of Kansas at Lawrence, as well as a master's degree in financial management, which he received in 1976 from the Naval Postgraduate School at Monterey, Calif., has served for 17½ years in the Navy. Prior to reporting here in May 1978, he was the assistant Officer-in-Charge of the Elks Hills Naval Petroleum Reserve located near Taft, Calif. —Photo by Ron Allen