

MOVIES

(G) ALL AGES ADMITTED
General Audiences
(PG) ALL AGES ADMITTED
Parental Guidance Suggested
(R) RESTRICTED
Under 17 requires accompanying
Parent or Adult Guardian

Regular starting time—7 p.m.

FRIDAY, SUNDAY Jan. 18, 20

"MANHATTAN"
Starring
Woody Allen & Diane Keaton
(Comedy, rated R, 96 min.)

SATURDAY Jan. 19

"PLAYERS"
Starring
Ali McGraw & Dean Paul Martin
(Drama, rated PG, 121 min.)

MONDAY Jan. 21

"ESCAPE FROM ALCATRAZ"
Clint Eastwood & Patrick McGouhan
(Suspense-drama, rated PG, 112 min.)

WEDNESDAY Jan. 23

"WATERSHIP DOWN"
Starring
Zero Mostel & Harry Andrew
(Animated drama, rated PG, 100 min.)

FRIDAY Jan. 25

"SLAVERS"
Starring
Trevor Howard & Britt Ekland
(Drama, rated R, 89 min.)

IEEE schedules talk on improving quality of work environment

Eremita Miranda, an engineer employed by the Southern California Edison Co., will be the featured speaker at a lunch meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers (IEEE) on Monday at 11:30 in the Chart Room of the Commissioned Officers' Mess. Her topic will be "Improving the Work Climate."

Studies indicate that a good work climate improves productivity; Ms. Miranda will report on an IEEE-Industry conference on



Eremita Miranda

building a professional work climate. She will also discuss current IEEE professional activities at both the local and the national level.

Ms. Miranda received a B.S.E.E. degree from the University of Southern California and is currently studying for an M.S.E.E. degree at that institution. She is employed in the Substation Engineering Department of the Southern California Edison Co. at Rosemead, where she is responsible for the engineering and design of several Edison installations including cogeneration.

No advance reservations are necessary because food service will be either from the buffet or lunch menu at the COM.



PITCH IN AND HELP—SA Diane Ekberg, assigned to duty as a messenger at the quarterdeck in the NWC Administration Building, demonstrates the kind of continuing all hands effort that is essential to a successful Centerwide cleanup campaign. To help in this effort, six special trash receptacles of the kind shown above were obtained by Cy Ebersberger, administrative officer in the Office of Finance and Management. Four of the trash cans were given to Special Services Division and placed in locations where trash accumulation is a problem around the gym, bowling alley, and other recreation areas. The other two cans were left at the front and rear of the NWC Administration Building for use by all those who pass that way. "Here they are—use them" is the message of the Command-supported cleanup effort.

—Photo by Ron Allen

1980 brings renewed effort to raise funds for IWV TV Booster

The start of another new year has brought with it a renewed effort to raise funds needed for the support and maintenance of the community-owned Indian Wells Valley TV and FM Radio Booster system.

For the thousands of local area residents who enjoyed such popular events as the New Year's Day parades and football games, this is a reminder that, unless they are paying a charge for cable TV service, they are the beneficiaries of the efforts of others who are keeping the IWV TV and FM Radio Booster system in operation. These efforts include financial support, as well as maintenance and repair work by the qualified personnel who assist in keeping the booster system on the air.

In recent weeks, a new slate of officers was elected to head the board of directors of the IWV TV and FM Radio Booster system.

New Officers Chosen

The group's officers are Jim Rieger, president; Jim Wooley, vice president; Stan Sanders, treasurer; and Dorothy Handler, secretary.

Rieger, an electronics engineer, and Wooley, an electronics technician, are both employed in the Telemetry Division of the NWC Range Department; Sanders, an electrical engineer, also works in Code 62, and Ms. Handler is an editorial clerk employed at Comarco in Ridgecrest.

Joining them as members of the board of directors are Richard Speakman, Douglas Reid, Michael Ripley-Lotee, Gene Schneider, and John Piri.

At the present time, the IWV TV and FM Radio Booster system is re-broadcasting programs from Los Angeles TV Channels 2, 4, 5, 7, 9, 11, 13, 22, 28, and 40, as well as TV Channel 23 from Bakersfield and Channel 52 in Corona. Channel 22 features stock market

and foreign language programs, Channel 28 is an educational TV station received from Los Angeles, and Channel 40 is an all religious programming channel.

FM radio stations that are re-broadcast from Laurel Mt. for the enjoyment of Indian Wells Valley residents are KLOS, KOST, and KFAC (all in Los Angeles), and KOTE in Lancaster. In the near future, KUSC from the University of Southern California, which broadcasts stereophonic sound tracks to accompany TV Channel 28 musical programs, will be added to the list of FM radio stations received locally.

Right now, Reiger noted, reception of TV Channel 11 is not at its best, but parts have been received and will be installed to improve upon this situation. Recently, TV Channel 9 was off the air, but parts ordered for it were received, have been installed, and it is operating once again.

Periodic equipment failures require money for parts needed to make the necessary repairs, and funds also are needed for expansion of the IWV TV and FM Radio Booster system, Rieger pointed out.

Contributions Welcome

Through the combined efforts of local residents and businesses, the TV and FM Radio Booster system can be properly maintained and improved. Tax-deductible contributions for 1980 memberships in the IWV TV Booster, Inc., should be sent to IWV TV Booster, P.O. Box 562, Ridgecrest. Make checks payable to "TV Booster."

Contributions of \$10 per household are being sought. In return for supporting the TV and FM Radio Booster, members will be sent a pamphlet containing information on ways to alleviate TV antenna problems and other steps that can be taken in order to improve TV reception.



Commissioned Officers' Mess

Members of the Commissioned Officers' Mess (Open) and their guests are invited to dance to recorded disco music this evening at the COM from 8 o'clock until midnight.

A special selection of seafood will be on the menu tonight during dining hours from 5 until 10 p.m.

On Saturday, from 5:30 until 10 p.m., the COM dining room will feature a special two-for-one dinner of Cornish game hen with wild rice.

Two special dinner nights are scheduled during the coming week at the COM. Next Tuesday will be "King of Roasts" night with prime rib as the main entree on the menu, while Thursday, Jan. 24, is barbecue night featuring a country platter of pork spareribs and chicken, country potatoes, corn on the cob, hot biscuits and honey.

Dinner will be served Tuesdays through Thursdays from 5 to 9 p.m.

CPO Club

An opportunity will be provided for chief petty officers to show their appreciation to hardworking enlisted personnel by inviting them today to an afternoon and evening of socializing, dining and dancing at the Chief Petty Officers' Club.

Dinner, featuring the choice of prime rib of beef or cod fish, will be served from 6 to 9 p.m., and there will be music for dancing and listening from 9 o'clock until 1 a.m.

The CPO Club will be open at noon on Sunday for those who wish to drop in to watch television coverage of Super Bowl XIV, the professional football championship game between the Pittsburgh Steelers and the Los Angeles Rams.

CPO Club members and patrons are urged to make plans for an "Oldies But Goodies" night that will be held next Friday, Jan. 25. This will be the final local appearance of Bill Coy and his Blue Jeans Disco.

Everyone who attends the dinner and dance on Jan. 25 is urged to come dressed in clothes of the type popular in the 1950s, and there will be prizes for the best dressed couple, as well as for the top dance pair.

Ballet class to be offered at college on Tuesday evenings

Cerro Coso Community College will offer a ballet class each Tuesday from 5 to 7 p.m. starting on Jan. 29. Instructor for the class, which will be held in the college lecture center, is Georgia Knutson.

Ballet is taught in many colleges and universities as a deterrent to athletic injuries because it enables the athlete to have more stamina and endurance and to handle his or her body better during sports. Ballet is also the foundation for many dance forms.

The class will stress total body coordination, with emphasis on stretching and general conditioning as well as teaching each student basic steps and movements of ballet.

Both beginning and intermediate students may register. Registration will take place during the first class session.

U.S. Government Printing Office:
1980—No. 1009

From: _____

To: _____

PLACE
STAMP
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nwc rocketeer

Naval Weapons Center
China Lake
California

January 18, 1980

Vol. XXXV, No. 3

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Annual Bluejacket of Year banquet, sponsored by Navy League, set tomorrow night

The suspense that has been building up over selection of the Naval Weapons Center's 1979 Bluejacket of the Year will be ended tomorrow night when the winner is announced, during the 11th annual award banquet, which will be held at the Enlisted Mess.

This yearly event, which is sponsored by the Indian Wells Valley Council of the Navy League, will begin with a social hour at 6:30 and be followed by dinner that is scheduled to get underway at 7:30.

Each of the Bluejackets in attendance will be the guest of individual sponsors who are members of the Navy League. The candidates for this special honor that is bestowed by the Navy League on NWC's outstanding enlisted sailor of the year, and their duty assignments are:

YN3 Sharon Gamble, secretary to the Commanding Officer and Executive Officer of VX-5; AME3 David Dimitriou, an aviation structural mechanic (safety equipment) 3rd class assigned to the NWC Aircraft Division's Safety and Survival Shop; AK1 John Enriquez, who heads the Programs Management Branch in the NWC Supply Department's Aviation Supply Division.

Others are: AD1 Kent Gibson, a petty officer who supervises Navy enlisted personnel assigned to the Cold Line at Armitage Airfield; AD1 Gary Harper, an aviation machinist mate 1st class assigned

to the Power Plants Branch in the VX-5 Maintenance Department; AO3 Timothy E. Jenkins, an aviation ordnanceman 3rd class, assigned to the VX-5 Power Plants Shop.

The final three are: ABH1 John Kennard, a supervisor in the Flight Support Branch of the NWC Aircraft Department's Base Operations Division; AO3 William W. Reed, an aviation ordnanceman 3rd class assigned to the VX-5 Aviation Ordnance Shop; and AMS3 Gerald L. Stallworth, who is assigned to the Cold Line at Armitage Airfield.

Two other NWC Bluejackets of the Month were not eligible for the competition because they were promoted to chief petty officer during the past year. They are MSC Mario Estrada and ATC John P. Kasimatis.

Awards Await Winner

What rewards, in addition to the special honor itself, are in store for NWC's Bluejacket of the Year for 1979 weren't known as the ROCKETEER went to press. HM1 Timothy Jung, last year's winner, received \$500 in cash, a NWC plaque, and the centerpiece from the head table at the Bluejacket of the Year banquet—a floral arrangement contributed by a local flower shop. All of the other candidates for the Bluejacket of the Year honor in 1978 received \$100 each.

Guest speaker of the evening tomorrow night will be Capt. William B. Haff, NWC Commander, and the master of ceremonies will be Harry Parode, a former department head and Public Information Officer at NWC.

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.

(Continued on Page 4)

Importance of NWC to defense of free world, impact on Kern County economy, cited in talk by Capt. Haff

Some thoughts on the Naval Weapons Center's importance to the defense of the free world, and its impact on the Kern County economy were shared by Capt. William B. Haff, NWC Commander, with a capacity crowd Wednesday morning during the 1980 Business Outlook Conference held in Bakersfield.

The Center, with its 1,700 miles of real estate, is the Navy's largest inland test range. When this land and its airspace assets are coupled with those of neighboring military installations at Edwards Air Force Base and the Army's Ft. Irwin, "we have the largest military research, development, test and evaluation complex in the world," Capt. Haff stated.

"This is a recognized national asset which is absolutely vital to the present and future defense of this country," the Center Commander emphasized.

Benefits of Unique Circumstances

Unique circumstances are created by the fact that NWC's research and development laboratories are adjacent to major range facilities. It is possible, Capt. Haff said, to "design-a-little, build-a-little, test-a-little" until the final product that is turned over to the Fleet is well tested and free of design and reliability problems.

This can be done at a minimum cost to the taxpayer when compared to systems that are designed at one location but transported many miles to other locations for testing.

Turning to work that has been started on upgrading and modernization of the Center's ranges, Capt. Haff next spoke about

the budget increase of around \$10 million per year for the next several years that will enable NWC to have by 1985 the most modern and sophisticated ranges anywhere. The payoff here, he said, will result in more precise test data as well as a decrease in the cost of testing.

An estimated one-third to one-half the cost of developing a new major weapon system is in test work required to verify the performance, and much of the test costs are due to the data reduction phase of the operation, he explained.

Data Reduction Costs Cut

Through the use of new metric tracking systems technology and high speed data reduction techniques, NWC can reduce data turn-around time and the overall costs of data reduction by well over 50 percent. This can result in future savings of millions of dollars in the acquisition process of new major weapons programs, Capt. Haff told his listeners.

Reference also was made by the NWC Commander to another major investment program—a radar surveillance network that is to be completed by 1983. It will serve all three services who share the vast military restricted airspace in the upper Mojave Desert, known as R-2508.

More than \$50 million is being spent by the Department of Defense in providing a complete surveillance system that will provide safer flight operations and more positive control of civil and commercial traffic in the military airspace area. When it is completed, this system will be operated jointly by the military and the Federal

Aviation Administration.

Those in attendance at the 1980 Business Outlook Conference also were brought up to date by Capt. Haff on the development of a major alternative power source—a geothermal power plant—in a portion of the Center's northern range area.

(Continued on Page 4)

Public hearing on proposed CSRA Demonstration Project slated Tues.

Julie Sugarman, Deputy Director of the Office of Personnel Management (OPM) in Washington, D.C., will be here next Tuesday to conduct a public hearing on the proposed Naval Weapons Center/Naval Ocean Systems Center (NOSC) Civil Service Reform Act Demonstration Project.

The hearing will get underway at 9 a.m. Tuesday in the Burroughs High School lecture center. Panel members from OPM who will be here with Sugarman for the hearing are Don Hill, also from OPM in Washington, D.C.; and Francis Yanak, Director of the San Francisco Regional Office of OPM.

Also present to answer questions concerning specific aspects of the proposed Demonstration Project will be Bill Carroll, Deputy Assistant Secretary of the Navy for Civilian Personnel, and civilian personnel officers from both NWC and NOSC.

All NWC employees who will be included in the Demonstration Project, or who would like to make a statement for the record, are invited to attend the meeting.

The hearing has been scheduled as a

means of providing interested persons or organizations with the opportunity to present their written or spoken views concerning the Demonstration Project to OPM representatives and Navy personnel officials prior to final approval of the project.

There is no intention of turning the hearing into a question and answer session for the purpose of providing general information about the Demonstration Project. Briefings for the purpose of informing NWC and NOSC employees about the project have been (and will continue to be) held separately from next Tuesday's public hearing.

Persons who may wish to testify at the hearing should contact Marco Monsalve by calling NWC ext. 2676 so that presentation times can be assured.

In order to give all persons an opportunity to be heard, comments from witnesses will be limited to 10 minutes each. The meeting is to be recorded in order that there will be an official record of what was said.



EYESORE — Papers and other litter should be inside — not outside — trash disposal receptacles. That's the point of the current, on-going cleanup campaign at the Naval Weapons Center. All Centerites are urged to be on the lookout for nooks and crannies in their work areas that are made unsightly by those who carelessly drop sandwich wrappings, discarded cigarette packs, or candy and gum wrappers on hallway floors or on the ground. By pitching in to help rid the Center of such unsightly accumulations of trash, China Lakers can evidence the same pride in the appearance of their work area as they do in the end product of their work itself. For a good example of how to remedy the problem shown above, turn to Page 8 of The **ROCKETEER**.

Clogged sewer lines to be opened by use of pressurized foam

NWC sewers are under attack by tree and plant roots that have penetrated many of the older underground lines, resulting in partial or complete plugging of some of the sewer laterals and causing anguish and trouble for sewer users.

In order to dissolve and dislodge these roots, a foam agent is being introduced into the sewers. This work will take place during the next two months.

Inflatable stoppers will be inserted into the sewer lines to prevent the pressurized foam from entering buildings and residences. In the unlikely event that any foaming agent appears in sinks, drains, or toilets, the Contracts Division, Code 262, should be contacted immediately by calling NWC ext. 3411, Public Works No. 449.

Visit set by Blue Cross

Mobile Service Center

The Blue Cross/Blue Shield Mobile Service Center will pay a visit to the Naval Weapons Center on Wednesday, Jan. 30, when it will be set up in the parking lot of the Community Center.

Field representatives of Blue Cross/Blue Shield will be available from 11 a.m. until 3 p.m. on Jan. 30 to meet with health insurance plan enrollees who may have questions about or problems with their plan coverage. No appointments are necessary.

The Rocketeer

Official Weekly Publication

Naval Weapons Center

China Lake, California

Captain W. B. Hoff

NWC Commander

R. M. Hillier

Technical Director

Bernard F. Connolly

Acting Head

Technical Information Department

Don R. Yockey

Editor

Mickey Strang

Associate Editor

Beverly Becksvort

Editorial Assistant

Ron Allen

Staff Photographer

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. 2047. 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.

Editorial Assistant, GS-1087.5/6, PD No. 773006N, Code 388 — This position is located in the Aerothermochemistry Division Office, Research Department. From rough drafts, the incumbent edits and types technical reports and scientific publications. Other duties include responsibility for the layout of manuscripts, figures and graphs in proper sequence and observance of security classification regulation. **Job Relevant Criteria:** Ability to accurately type technical manuscripts; knowledge of English grammar and punctuation; ability to identify and correct errors in technical publications and manuscripts; knowledge of scientific terminology, graphs and equations. **File applications for the above with Pat Gault, Bldg. 34, Rm. 212, Ph. 2514.**

Supervisory Electronics Engineer/Mechanical Engineer, GS-855/830-14/15, PD No. 783219E, Code 262 — (Interdisciplinary Position) — This position is that of head, Systems Engineering Department. The Systems Engineering Division performs product design and production engineering on air-to-air missile systems to improve functional performance, facilitate production, conserve materials, reduce costs and improve reliability. Responsibilities and laboratory support for systems, sub-systems, and components are in the fields of electronics, optics, infrared systems, gyro-mechanisms, servomechanisms, and for engineering development of systems, subsystems and components. The Division also staffs and operates comprehensive laboratories for conducting engineering, applied research, development and testing of materials. The incumbent is responsible for the successful accomplishment of the transition of hardware from development to production. Manages a Division comprised of four large branches with approximately 90 technical personnel. **Job Relevant Criteria:** Experience in managing R&D, T&E and Production Engineering functions for air-to-air, missile systems. Production engineering experience with major emphasis on infra-red technology; ability to supervise a large work force through subordinate supervision; understanding of the material acquisition process; understanding of the material procedures. Note: This is a temporary position not to exceed one year. Incumbent will be required to recompete in the Nationwide announcement if the position is announced on a permanent basis. Classification is subject to recertification by NCPC-WFD.

File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2925.

Supervisory Budget Analyst, GS-560-12, PD No. 8080801, Code 0841 — Incumbent of this position serves as Head of the Reports and Analysis Branch, Management Information Systems Division of the Office of Finance and Management. The incumbent is responsible for managing and supervising a professional staff whose responsibilities include the overall Center corporate operating budget, managing rates, conducting ad hoc special financial studies and preparing and analyzing corporate financial status reports to higher authority. **Job Relevant Criteria:** Ability to supervise; ability to deal with computer systems; knowledge of off-center budget requirements; ability to make clear and concise oral presentations; knowledge of financial analysis techniques. Promotion potential to GS-13.

Supervisory Computer Specialist, GS-334-12, PD No. 7908074E, Code 0843 — The incumbent to this position will serve as Head, Systems Analysis Branch, Management Information Systems Division, Office of Finance and Management. The incumbent is involved in responsibility for the internal operation and management of Financial Data Process Systems, providing automated data processing systems for management operations, serving as one of the four principals on the NWC ADP Executive Board and supervising a staff of 610 Senior Systems Analysts. **Job Relevant Criteria:** Ability to supervise; knowledge of ADP Systems and procedures; ability to prepare clear and concise written presentations; ability to deal tactfully and effectively with others; ability to make effective oral presentations. Promotion potential to GS-13. Applications accepted from status eligibles.

File applications for the above with Teresa Watson, Bldg. 34, Rm. 208, Ph. 2676.

Secretary (Typing), GS-318-4, PD No. 77641002N, Code 61 — This is a temporary NTE 9 months promotion opportunity. This position will be that of Secretary to the Head, Aircraft Department. In this capacity the incumbent will maintain the Department Head's calendar, arrange meetings and conferences, receive and screen office and telephone callers and screen incoming correspondence requiring Department Head's action, notes and minutes of meetings. The incumbent performs clerical work in support of the Department Head's activities. **Job Relevant Criteria:** Ability to deal with the public; use of own judgement; knowledge of correspondence procedures; knowledge of engineering terminology; typing ability.

Electronics Technician, GS-856-9, PD No. 7921010N, Code 6201 — This position is located in the Telemetry Operations Branch in the Range Department. The incumbent is responsible for the installation, checkout, calibration, operation, maintenance, and change documentation of a UHF/VHF Telemetry Auto-track Antenna System and a major electronic measurement system used to collect, process, and display telemetry data for all typical range tests. Promotion potential to GS-11. **Job Relevant Criteria:** Experience in operation and calibration of UHF/VHF telemetry equipment or equivalent; experience in setting up complex electronic measurement equipment; ability to work well with others.

Interdisciplinary Position (Aerospace Engineer, Mathematician, Physicist, Operations Research Analyst, GS-861, 1520, 1310, 1515-12/13, PD No. 8079001E, Code 3915 — GS-13 level subject to classification by WFD, NCPC. This position is located in the Air-to-Surface Branch, which provides simulation and analysis support for the design, development and testing of A-S missile systems. This branch is currently responsible for the development of the real-time hardware in the loop simulation capability of the HARPOON Simulation Laboratory facility at NWC. Incumbent's primary duties and responsibilities will be associated with leading a technical team in the design, fabrication, and installation of both the hardware and software sub-systems associated with this laboratory. Secondary duties include operation and utilization of currently existing simulation software in support of the HARPOON Improvement Program and the HARPOON Production Program. **Job Relevant Criteria:** Thorough familiarity with sophisticated digital six degree of freedom missile simulation technology including mathematical modeling; working command of higher language and assembly language programming; knowledge of hardware software interfacing; understanding of control theory, propulsion systems, aerodynamics, and autopilots; capability of conducting post flight test analysis and willingness to travel extensively; ability to interface with and make presentations to NWC management and sponsors.

File applications for the above with Linda Long, Bldg. 34, Rm. 210, Ph. 2022.

cumbent will enter data into the PW Computer Systems and Data Bases via demand terminal. Review output reports from these systems, validate the accuracy of the data and make corrections when needed. Initiate runs to produce regular and ad hoc reports and is responsible for distribution. The incumbent is responsible for documenting maintenance procedures. **Job Relevant Criteria:** Knowledge of data processing; ability to use initiative and judgement; ability to follow instructions; skill in computer operations.

Painter Leader, WL-4102-9, JD No. 498N, Code 26442 — This position is located in the Paint Shop, Structures Branch, Public Works Department. Incumbent gathers materials and tools needed for the job to be accomplished. Follows procedures, written instruction and directives. Assumes safety rules are followed. Establishes priorities and plans sequence of operations and work steps for group supervised. **Job Relevant Criteria:** Applied knowledge of the trade; ability to act as a group leader; ability to interpret instructions; knowledge of pertinent materials; knowledge of pertinent tools and equipment.

Production Facilitation Clerk, GS-303-5, PD No. 80260N, Code 262 — This position is located in the Engineering Division, Public Works Department. The incumbent receives and reviews all work requests for engineering and design services and cost estimates submitted by Center departments. The incumbent originates and maintains completed job reports on work requests. The incumbent also inputs work request data to a remote terminal. The incumbent also prepares and updates a monthly contract schedule. **Job Relevant Criteria:** Ability to understand and interpret NWC financial reports; knowledge of contract process; knowledge of data processing; ability to use judgement.

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

Electronics Technician, GS-856-7/8/9/10/11, PD No. 7923099N, Code 3336 — Applications will be accepted from status eligibles. This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Duties involve design, development, and evaluation of electronic systems and test sets for guided missile fuzes including such items as microwave assemblies, special test circuits, pulse and digital circuitry, etc. The incumbent will also serve as a consultant on fabrication of developmental models of assigned equipment and will oversee implementation of use of test equipment at various Naval Weapons Stations. **Job Relevant Criteria:** Knowledge of electronic instrumentation; knowledge of circuit layout, printed circuit board methods and fabrication techniques; ability to meet and deal with all levels of personnel. Previous applicants need not apply.

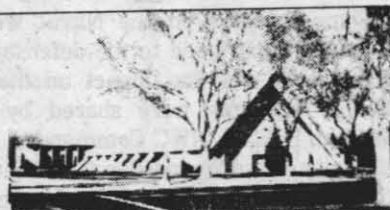
Contract Specialist, GS-1102-11/12, PD Nos. 7125011E, 7425011E, Code 2321 — This position is located in the Contracts Management Branch, Contracts Division, Supply Department. Incumbent provides technical guidance on contractual matters to all levels of command; prepares documentation for major system acquisitions; analyzes proposed procurements to affirm conformance with government procurement regulations and policies. **Job Relevant Criteria:** Knowledge of government procurement and contractual practices and policies; experience in procurement of technical equipment, systems and services; knowledge of current business practices including business law and accounting; ability to communicate effectively, orally and in writing, with all levels of personnel and management both on and off-center.

Electronics Engineer, GS-856-9/11/12, PD No. 7733048E, Code 3335 — Applications will be accepted from status eligibles. This position is located in the Long Range Missile Fuze Branch, Fuze Systems Division, Fuze and Sensors Department. Position involves design and development of fuze systems and subsystems. Duties include design and development of experimental fuze systems and sub-systems. This design and development effort includes feasibility studies of known fuze techniques applicable to the particular project; selection of a system philosophy which meets the required operational characteristics; design of circuitry reflecting the system philosophy; packaging of circuitry within the required configuration; and testing of the packaged system to meet environmental and operational requirements. The incumbent plans, directs, and participates in studies of new and novel fuze concepts, as well as existing fuze systems, to determine applicability to specific weapons. The duties include development of fuze requirements and constraints imposed by the weapon, the preparation of performance criteria and evaluation techniques, plus a plausible, scientific assessment of the system being studied. The incumbent plans, directs, and participates in laboratory and field testing to evaluate the adequacy of the fuze system with respect to operational, environmental, and reliability requirements. Planning and directing an efficient fuze evaluation often requires the design and development of specialized test equipment. **Job Relevant Criteria:** Knowledge of solid state devices including linear and digital integrated circuits and active and passive microwave devices; knowledge of microwave circuitry design techniques; ability to deal effectively with a wide variety of people.

Secretary (Stenography), GS-318-5, PD No. 8033003N, Code 3301 — This is a part-time position. The incumbent will provide secretarial support to the Associate Department Head and Head of Staff of the Fuze and Sensors Department. Duties include: receiving visitors and phone calls; reviews and arranges for reply to correspondence; prepares correspondence, reports and other material; etc. **Job Relevant Criteria:** Ability to type accurately and efficiently; ability to take stenography; knowledge of Navy correspondence regulations and formats; ability to work effectively with all levels of personnel; ability to handle a variety of duties concurrently.

File applications for the above with Susie Cross, Bldg. 34, Rm. 208, Ph. 2371.

Computer Technician, GS-335-5, PD No. 8076005N, Code 26022 — This position is located in the Management Data Processing Office, Public Works Department. The in-



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 Bible Study 1130
Thursday Men's Prayer Breakfast 0630

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

CONFESSIONS
Daily 1115 to 1130
Sunday 0800 to 0900

RELIGIOUS EDUCATION CLASSES
Sunday Pre-school thru 11th grade 1000
Above classes are held in the Chapel Annexes across from the former Center Restaurant.

As announced 12th grade 1630
and Youth Rallies
Contact Chaplain's Office for specifics.

JEWISH SERVICES
EASTWING—ALL FAITH CHAPEL
Sabbath Services every Friday 1930

UNITARIANS
CHAPEL ANNEX 95
Sunday Services—(Sept. May) 1930

Signups for rifle marksmanship class will end tomorrow

Tomorrow is the last day to register for the Beginners' Rifle Marksmanship and General Firearms Safety School to be conducted by the Sierra Desert Gun Club.

Signups will take place on Saturday from 9 a.m. to 1 p.m. at the group's clubhouse on the Naval Weapons Center.

The first class of this 12-week course will be held on Sunday. All classes will be held from 1 to 4:30 p.m. at the gun club's rifle range and clubhouse facilities located on Sportsman Rd. at China Lake.

The school is open to all residents of the Indian Wells Valley and adjoining areas who are over 12 years of age.

This basic rifle marksmanship school will include approximately 15 hours of rifle range shooting practice and 26 hours of classroom and field demonstrations. All instructional materials, including targets, ammunition and 22 caliber target rifles will be provided by the Sierra Desert Gun Club.

Students who successfully complete the school will receive marksman qualification awards and a California State Hunter Safety Certificate. A fee of \$20 per student, to cover the costs of the course, will be collected at the time of registration.

Students, 18 years or older, interested primarily in a Hunter Safety Certificate, may audit the classroom sessions for a fee of \$5.

Premier League lead held by Triangle Mobile Home squad

The Raytheon Sidewinders picked up a game on the first place Triangle Mobile Home keggers during Monday night's Premier League action at Hall Memorial Lanes.

In head-to-head competition, the second place Sidewinders won two out of three games from Triangle Mobile Home to cut the lead of the Premier League leaders to four games.

High team game for the night was the 1,020 rolled by the Triangle Mobile Home squad, but the Raytheon Sidewinders had the overall advantage with their high team series of 2,840.

Just two bowlers, Bob Hooper and Jim Wright, topped the 600 series mark for the night with scores of 629 and 602, respectively.

Premier League bowlers with scratch scores of 220 or more were Roy Canfield (245), Warren Turnbaugh (235), Hooper (234), Kevin McDonald (231), Dave Stein (226), Ken Dalpiaz (223), and John Salyers (222).



—Photo by Ron Allen

BATTLE FOR BALL — Doc Gibson (in white), of the NWC varsity basketball team, is outnumbered as he goes up in a battle for the ball with John Hood, of the Port Huene team. Hoping that the ball might be deflected his way in the meleé is John Myers (No. 20), another player for the visiting Seabees.

employee in the spotlight

"What makes a job interesting is not the work that you do, but the people that you can serve."

Patti Collins



By Mickey Strang

"Sometimes I don't think that the phone will ever stop ringing," says Patti Collins, acting head of the Distribution Branch in the Technical Information Department. "We try to provide what people need, whether that is information about the security classification of a document or how to locate a film or whether it's actual copies of documents or films. What makes a job interesting is not the work that you do, but the people that you can serve."

Patti, however, also is enthusiastic about the work that she does. Much of the labor part of distribution is contracted out, but the administrative paperwork and management functions are not. Patti is enjoying her first experience as a manager since she became acting branch head. She plans to take the management courses offered through the Training Center; until she can get into those classes, she has been getting on-the-job training in management from her division head. What a manager needs to be, she feels, is a leader, not a star.

Seeks Growth Potential

Patti transferred to the Distribution Branch 2½ years ago, seeking more growth potential than was possible as a secretary. Her first job on the Center had been as a secretary in the Weapons Department when she and her husband, Colin, returned to the Indian Wells Valley from Washington where he had been in the Army, stationed in the Pentagon.

Patti also worked in the Pentagon. She says that she took her clerk-typist test in the Civil Service Commission Building in Washington with about a hundred other applicants. "You should have heard the explosion of sound when we all had to start typing at once," she chuckles.

Patti worked as a secretary for the Air Force R&D Directorate in the Pentagon, finding the secretarial work there much different than at NWC. "There were four secretaries for each 15 people,"

OTHTC to sponsor 15-km run tomorrow at college

A 15-kilometer run (9.3 miles), sponsored by the Over-The-Hill Track Club (OTHTC), will be held tomorrow starting at the east end of the Cerro Coso Community College parking lot.

Registration for the race will begin at 9 a.m., and the cross country run will start at 10 o'clock.

This event is open to all interested persons. There is no entry fee, and no awards will be presented to winners. The course to be followed goes up over the ridge south of the college, loops around to the west, and finishes back at the college.

Runners who are not members of the OTHTC can sign an insurance waiver if they wish to participate.

More participation by civilians allowed in recreation programs

The philosophy of providing recreational service activities has changed within the past year at NWC Special Services. Initiatives have and are being taken to remove many roadblocks that have existed in the past, and many new programs have been initiated.

Although services are primarily intended for military personnel and their dependents, 90 percent of all recreation services are now available to civilians for a reasonable fee. Based on a 1978 NWC recreation facility/participation study, the Chief of Naval Personnel has approved the request to allow more civilian participation in the recreation program.

Some Restrictions Lifted

Permission has been granted for civilian golf course patrons to use the Golf Pro Shop resale store. Department of Defense civilian memberships (including retired DoD civilians) have been approved for all activities except the Auto Hobby Shop, Miniville Pool, and the Hobby Store. Limitations are placed on civilian and reservist use of the movie theater. Retired military may use all recreation facilities at any time.

There are presently between 200 and 300 openings for use of the golf course with an open invitation to play on an intermittent basis or purchase a membership.

Other Changes Made

Additional programming specifically for the military has been instituted; new program facility directors have been hired to develop professional programs; there is and will be more visible management at recreation facilities, with duty managers present at peak-use times; facilities have been improved; new and better equipment is available.

The new programs include arts/crafts classes, tours, golf lessons, early morning swimming, roller skating, youth crafts, and youth summer programs.

A Recreation Coordination Office has been established in the Special Services

Office, located next to the Center gym, for better communication of activities and to offer a one-stop collection point for most recreation fees. In addition, a monthly or quarterly recreation bulletin is being developed, and information about recreation services is being presented to new personnel as they come to work on the Center.

Nonappropriated fund employees wages are not comparable to Civil Service or those in the surrounding community. Consequently, the turnover of recreation staff members has been astronomical over the past two years. New initiatives will hopefully lead to more continuity of recreation employees and thus a more stable, reliable work force will be on hand to provide maximum service.

Income Reduced

Losses of funding from some sources threaten to diminish these initiatives unless other steps are taken to remain more self-sufficient. Military programs are supported by Navy Exchange profits; however, civilian participation has been supported primarily by fees and charges since the loss of funds from the Employee Services Board more than two years ago.

Appropriated funds pay for the majority of utilities and maintenance expenses, but 90 percent of the nonappropriated budget (fees and charges as well as Navy Exchange profits) goes for personnel costs to operate facilities.

Fees Must Be Adjusted

In order to continue high quality service, fees for recreation programs must be adjusted and additional funding sources must be found.

A subsequent article will list the new fees which will become effective on Feb. 1. The cooperation and participation of Centerites in recreation activities are requested. By expanding the patron base, fees can be held to the lowest level possible.



Loewen's A team ups win streak to 7 in intramural basketball

Sparked by the sharp shooting of Steve Nathan, the Loewen's A team ran its win streak to seven games in a row last week and continued to dominate Division A of the China Lake Intramural Basketball League.

During games played on Jan. 8 and 10 at the NWC gym, the Loewen's A cagers defeated Desert Motors and the Shooters by scores of 80-51 and 65-59, respectively.

Nathan and a teammate, Mike Graham, each scored 19 points in the Loewen's A team's win over Desert Motors, while Terry Mangrum chipped in 14 in a losing cause for Desert Motors.

The Division A leaders had a more difficult time of it against the Shooters, as they had to overcome a 32-26 halftime deficit in order to turn back the Shooters, who are in second place in Division A. Nathan was the game's high point man with 19 for Loewen's. Bobby Parsons led the Shooters with 16.

In the only Division B game played last week, the Burger King hoopsters edged the

China Lake Intramural League Basketball Results as of Jan. 11			
Division A			
Team	Won	Lost	
Loewen's A	7	0	
Shooters	4	3	
Sports Etc. Raiders	3	4	
Desert Motors	2	4	
Seattle II	0	5	
Division B			
Loewen's B	5	0	
Burger King	5	1	
Bebops	2	3	
Night Stalkers	2	4	
Nuggets	1	4	
James Gang	1	4	
Division C			
Inmates	4	1	
Poochies	4	2	
Brown Sugar	4	2	
Comarco	3	3	
Gas Bags	2	3	
Pizza Villa Floorburners	2	4	
Fat	1	5	

Night Stalkers 61-57. Larry Dean of Burger King and Basil Robinson of the Night Stalkers were the top scorers in this game with 21 and 19 points, respectively. This win kept the Burger King squad right on the heels of the first place Loewen's B cagers.

The Brown Sugar team was knocked out of first place in Division C of the Intramural Basketball League by virtue of a 50-36 defeat at the hands of the Comarco hoopsters. Lawrence Kevin led the victors with 18, while Arnulfo Pugal tallied 15 for Brown Sugar.

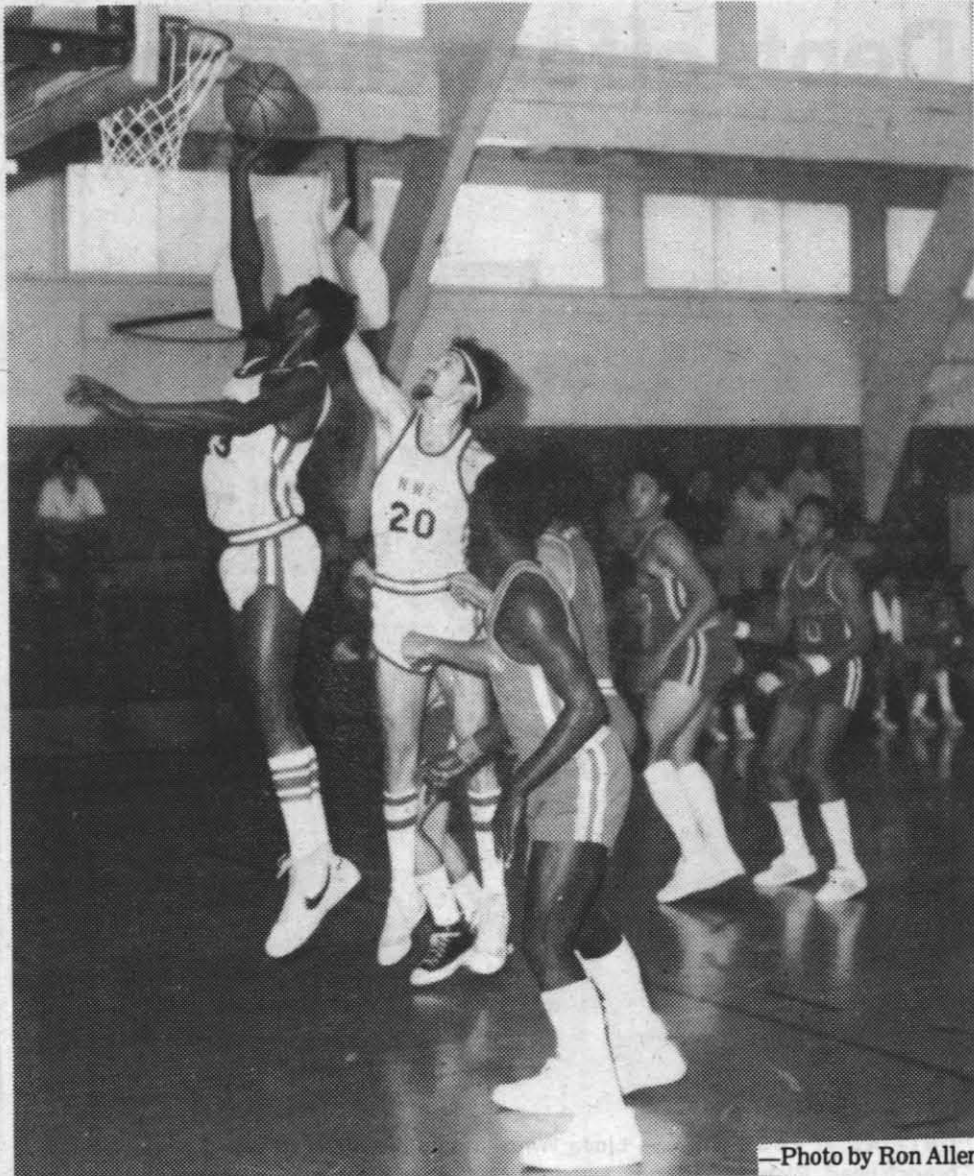
In two other Division C tilts, the Poochies remained in a tie for second place by defeating the Gas Bags 41-29, and the Inmates moved into first place on the strength of their 33-23 win over the Pizza Villa Floorburners.

Roy Kirk tallied 11 points for the Floorburners to claim individual scoring honors despite his team's loss to the Inmates, who were led by George Lamonica's 10 points.

Late signups for tennis

Late registration for tennis classes that began last Tuesday will be accepted for the remainder of this month at the Recreation Coordination Office, located next door to the NWC gym.

These tennis classes are being taught by Fred Hagist, and are for beginners and intermediate level players. They are scheduled on Tuesdays, Wednesdays and Thursdays, from 10 to 11 a.m., and from 5 to 6 p.m.



—Photo by Ron Allen

REBOUND TIPPED IN—Barry Adams, of the NWC varsity team, leaps high to tip in a rebound during last Saturday's game between the China Lakers and their counterparts from Port Hueneme. The NWC cagers won this game 69-63, but were defeated in a rematch on Sunday by a score of 91-77. Backing up Adams as he goes for the ball is Jim Carr, a teammate (No. 20).

Burros cagers defeat Hart, Saugus; now ranked 4th in CIF 2A Division

The Burroughs High School boys' varsity basketball team this past week attracted the attention of CIF officials, who now rank the Burros fourth in the CIF Southern Section's 2A Division.

This recognition came on the heels of the fifth straight Golden League victory for the Burros, who have a 1979-80 season record of 13 wins and 2 losses.

This past week, the Burroughs boys' varsity cagers won two games on the road — a 60-54 victory last Friday at Hart High School in Newhall, and a 55-35 win on Tuesday night over the Saugus High Centurions.

The deliberate style of play employed by the Centurions on Tuesday succeeded in putting the brakes on the potent Burros' offense for three periods of play.

In the final 8 min. of action, however, the Saugus High cagers switched to a trapping zone defense that was shredded by the Burros, who broke through to score 21 points and put the game on ice.

The BHS fourth quarter scoring surge was led by Mike Wirtz and Curtis Edmonson, who tallied 11 and 6 points, respectively.

In a low scoring game, the Burros led 24-17 at the end of the first half, and both teams exchanged baskets in the third period during which the BHS cagers tallied 10 points and held Saugus to 8 to make it a 34-25 ball game as the fourth quarter got underway.

Wirtz was the high point man with 19 in the game at Saugus, and also led in rebounds with 12. Top assist man for Burroughs was Richi Drake, who five times fed the ball to his teammates on scoring plays.

Top scorer for the Saugus Centurions was Bryan Rollins, who tallied 10 points.

During last Friday night's game at Hart High School in Newhall, the BHS varsity hoopsters held on for a 4-point victory of 60-54 to keep their current win streak alive.

Aided by 11 of 15 free throws during a foul-marred final period, the Hart High Indians outscored the Burros by 10 points

(23-13) which was close but not quite enough to overcome the BHS varsity's 47-31 lead at the start of the fourth quarter.

With just 3½ minutes left to play in the game, the Indians, urged on by their vociferous fans, cut the BHS lead of 58-48 by scoring 6 points. Two pressure-packed free throws by Edmonson enabled the Burros, momentarily, to maintain a 6 point advantage, and cooled off the Indians.

Steve Motte, stellar center for Burroughs, was the only BHS player to score a field goal for the Burros in the hectic fourth quarter. Motte, who played his best ball game of the season, was the game's high point man with 23, while Wirtz chipped in 12.

The Indians concentrated their defense on Wirtz, which left Motte free to go for the basket, and he responded by hitting 9 out of 10 field goals and cashing in on 5 of 6 charity tosses.

The Burros built up a 28-18 lead at half-time of the game against Hart, and then outscored their opponents 19-13 in the third period to set the stage for the frantic fourth period.

The Hart team was led in the scoring department by Clay Collins and Del Wisler, who tallied 13 and 11 points, respectively.

Accuracy in field goal shooting once again was the key to the BHS victory, as the boys' varsity team tallied on 24 out of 40 attempts — a 60 percent average.

Military women's team to vie in 11th ND tourney

The Naval Weapons Center will be represented by a military women's team during the 11th Naval District's women's regional basketball tournament that will be held next week at the Naval Air Station, North Island (San Diego).

A nine-member team from China Lake, headed by Colleen McKenzie, will play its first game on Tuesday. Other players on the local team are Karen Scott, Barbara Langstrand, Billi Taylor, Mary Johnson, Sue O'Grady, Patty Hartman, Tracy Hinds, and Georgia Allen.

NWC hoopsters win one, lose another against Pt. Hueneme

In a final tuneup for next week's 11th Naval District area eliminations, the NWC varsity basketball team split a pair of games played here last weekend against a visiting squad of hoopsters from Port Hueneme.

On Monday, the NWC varsity hoopsters will leave for Point Mugu, location of the week-long area eliminations, and will play their first game on Tuesday night against the host team representing Point Mugu.

The winner of the area elimination competition will advance to the 11th Naval District basketball regional tourney that is to be played Jan. 28-Feb. 1 at the Naval Air Station North Island (San Diego).

The China Lakers were victorious on Saturday by a score of 69-63, but in Sunday afternoon's encounter came out on the short end of a 91-77 final score in game No. 2 played against the Seabees from the Naval Construction Battalion Center.

The Saturday afternoon game got off to a slow start as far as scoring goes. Midway through the first half, the Seabees had a narrow lead of 12-10, but the NWC varsity tied the score at 12-12 with 8½ minutes left to play before the halftime intermission and then outscored their opponents 28-14 during the remainder of the first half and left for the locker room at the midway point in the game with 40-26 lead.

High Point Man

Skip McIntosh, forward for the NWC varsity, tallied 18 of his game-high total of 27 points in the first half, including one 3-point play on a slam-dunk field goal during which he was fouled. At the half, McIntosh had 3 field goals and cashed in on 12 free throws.

The cagers from Port Hueneme rallied during the early going in the second half of the game on Saturday. The Seabees outscored their rivals from China Lake 10-3 during a brief spurt — cutting the NWC varsity team's lead to 43-36.

By the midway point in the second half, the China Lakers once again found the range and were able to build up a comfortable edge of 56-40. It was a different story during the last 9 min. of action, however, since the NWC varsity failed to make a single field goal compared to 11 for the Seabees from Port Hueneme.

With 2½ minutes left to play until the final buzzer, the once comfortable NWC varsity lead had been cut to 4 points (61-57), but the locals held on by collecting eight more charity tosses while the Seabees had to settle for three field goals as they lost the game by a final score of 69-63.

In addition to McIntosh, who was the game's top scorer with 27, the NWC varsity basketball team had one other player, Doc Gibson, who was in the double-figure scoring with 12.

China Lakers Lose Rematch

In the Sunday afternoon rematch between the NWC varsity and the Seabees from Port Hueneme, the two teams battled on even terms during the first half, which ended with the visitors in the lead by a score of 35-33.

The Seabees shut out McIntosh in the first half, holding him scoreless, but McIntosh came back in the second half to tally nine field goals and once again ended as the game's high point man with 18.

In spite of the effort by McIntosh, the China Lakers were outscored by Port Hueneme 56-44 in the second half and finished the game on the short end of a 91-77 final tally.

In contrast to the previous afternoon's game, when free throws played a major role in the NWC varsity team's win, it was field goal shooting accuracy that accounted for the victory by the Port Hueneme team, whose players looped in 42 field goals, compared to 33 for the China Lakers. At the free throw line, the China Lakers had a 9-2 advantage on Sunday.

Leading scorers for the NWC varsity, in addition to McIntosh, were Jim Carr with 17 and Buzz Gibbs with 12.



—Photo by Ron Allen

CONGRATULATIONS EXTENDED — Bob Hillyer (at left), NWC Technical Director, extends his congratulations and presents Certificates of Accomplishment to the first "graduates" of NWC's Special Curriculum in Technical Management. The recipients are (l.-r.) Dennis Moore, Larry Thompson, Gerald Panek, William Arnold, and John Shepherd. Robert J. Anderson, another Centerite who completed this program, was unable to be present for the photo.

Six complete Curriculum in Technical Management

The initial milestone in a Naval Weapons Center program known as the Special Curriculum in Technical Management was passed this week by the presentation of Certificates of Accomplishment to the first six "graduates" of this program.

Five of the first six Centerites (one was unable to be present) who have completed the requirements of this special curriculum were introduced during the Commander's Meeting on Monday by Bob Hillyer, NWC Technical Director, who reported briefly on the purpose of the program and congratulated those who completed it.

Long Recognized Need

Hillyer noted that the need for capable managers in systems acquisitions programs has been recognized at NWC since its inception by offering training opportunities to qualified personnel.

Initially, however, that training was not focused specifically on the problems and practices found in the NWC/Navy environment.

In an effort to remedy this situation, a structured program now called the Special Curriculum in Technical Management was announced in May 1977, and the first "class" of 20 participants was chosen by the Technical Planning Board from candidates nominated by their departments. The major thrust of this curriculum emphasizes Department of Defense, Navy, and NWC management policies and practices in general, and their application to the management of systems acquisitions programs at NWC in particular.

Names of "Graduates"

This past Monday, certificates attesting to the completion of the requirements of the Special Curriculum in Technical Management were presented to William F. Arnold III, Dennis M. Moore, Gerald J. Panek, John C. Shepherd, and Larry E. Thompson. Robert J. Anderson, the sixth Centerite to complete the program could not be present for the presentation ceremony.

Anderson, an electronics engineer, works in the Infrared Systems Branch of the Systems Development Department's Aircraft Sensor and Laser Systems Division. An NWC employee for the past 6½ years, Anderson is involved mainly in development of electro-optical ground support equipment.

Arnold, an electronics engineer working on the Sparrow AIM/RIM-7M Project, is assigned to the Sparrow Program Office in the Weapons Department. He has been at NWC for 7½ years.

Moore, a Center employee for the past 10½ years, works in the Advanced Aircraft Armament System Program Office of the Systems Development Department's Survivability and Lethality Air Targets Division.

Panek is an aerospace engineer in the Air Breathing Propulsion Branch of the Ord-

nance Systems Department's Advanced Technology Division. At the present time, he is involved in the Advanced Intercept Missile Technology Demonstration Project, and the Liquid Fuel Ram-Jet Program. He has been at NWC for 7½ years.

Shepherd is head of the Short Range Missile Fuze Branch of the Fuze and Sensors Department's Fuze Systems Division. An electronic engineer, he has been at NWC for 15 years and is working on Sidewinder missile proximity fuzing.

Thompson is head of the Tactical Nuclear Weapons Group in the Systems Development Department's Survivability and Lethality Air Targets Division. Thompson, who has been at NWC for 16½ years, is an operations research analyst and works on the Tactical Nuclear Weapons System Support Program.

Major Effort Required

The completion by these six employees of the Special Curriculum in Technical Management represents a high degree of commitment on the part of both Center management and those chosen to participate in the program. Hillyer pointed out that two or three hours of study and work outside the classroom (amounting to about half a man-year) is required for each of the 290 hours of classroom instruction and training that is included in the program.

Each of those who received the certificates of completion spent approximately 2½ years in the Curriculum in Technical Management Program. In addition to the six "graduates," there are 47 other Center employees who are now taking part in the program. Each fall, about 20 more Centerites are selected by the Technical Planning Board.

All classes included in the Special Curriculum in Technical Management are

New instruction issued covering operation of Mopeds on Center

The current energy conservation program plus the increase in the cost of gasoline has brought about a significant jump in the use of motorized bicycles (Mopeds) on the Naval Weapons Center.

Because of this, NWC has adopted requirements that all Moped operators at China Lake must meet no later than March 1, 1980. According to Navy regulations, Mopeds are defined as two- or three-wheeled motorized vehicles with engines of less than 50 cubic centimeters of displacement.

Mopeds operated on the Naval Weapons Center will be required to be registered and will display a decal issued by the NWC Vehicle Registration Office. Moped operators are urged to obtain decals for the vehicles as soon as possible.

In addition, Moped operators riding on streets and roads at China Lake will be required to carry public liability and property damage insurance. Proof of such insurance will be necessary prior to the issuance of an NWC vehicle decal.

Local insurance coverage for Mopeds ranges from \$25 to \$77 annually, depending upon the insurance agency and other factors such as the age of the operator and his/her driving record.

Mopeds may be operated on all bike paths at NWC at speeds that are safe and prudent and do not endanger bicyclists using the path. At the present time, Mopeds are required to use the bike path between the intersection of Lauritsen and Sandquist Rds. and Armitage Airfield.

Helmets Strongly Recommended

Moped operators and passengers are not required to wear protective gear (such as a helmet), nor are Mopeds required to have headlights turned on at all times. However, for the safety of both operators and passengers, the NWC Command strongly recommends that an approved helmet be worn, and that Moped operators always have the headlights of their vehicles turned on.

In addition, license and equipment requirements for Mopeds must conform to local state traffic codes.

Vehicle Code Requirements

The Vehicle Code of the State of California classifies Mopeds as motor vehicles, and they are required to have a headlamp, tail lamp, side and rear reflectors, and adequate brakes. In addition, all Mopeds operated on streets and highways must be equipped with a mirror, a horn, and an adequate muffler.

Individuals who have a valid state driver's license may operate a Moped without any special endorsement. Young people between 15½ and 17½ years of age may operate a Moped during daylight hours only provided that they have successfully completed a driver education and driver training class and have a valid instruction permit with a Class 4 endorsement.

No passengers, except for a licensed instructor, may be carried on a Moped by youngsters between 15½ and 17½ years of age.

EOD safety talks pay off; youth reports finding old bomb

Tangible evidence that presentations about explosives safety given by members of Explosives Ordnance Group 1, Detachment China Lake, do pay off was received here last week when a 6-year-old student at Inyokern Elementary School was able to provide authorities with information that led to the recovery of an old inert Mk 76 practice bomb.

According to Lt. Ed Kittel, assistant officer-in-charge of EOD Group 1, Detachment China Lake, this particular youngster deserves a gold star for not only paying attention when the program about explosives safety was presented at his school by local EOD personnel, but high marks as well for recalling (nine months later) the specific directions that were given.

The young boy was out with his father shooting jackrabbits when the two of them saw the inert ordnance item. The youngster recalled advice from the EOD specialists not to touch anything resembling military ordnance, to mark the location so it can be found later, and to notify local law enforcement officers who promptly pass the word along to EOD personnel.

Members of EOD Group 1, Detachment China Lake, have conducted programs at most local elementary and junior high schools in the Indian Wells Valley on safety tips to follow if anyone finds an item they suspect might be of an explosive nature. Similar programs also have been given for the benefit of such youth groups as Boy Scouts and for local service clubs like the Optimists and Rotarians.

Community groups interested in having EOD personnel give such a presentation at one of their meetings can make the arrangements for this by calling NWC Ext. 6367.

Energy use cut, but costs rise

December energy scoreboard figures for 1979 in comparison to the same month in 1978 show that overall energy consumption at the Naval Weapons Center continued downward. The Center, however, is suffering from the same problems faced by home owners who also pay utility bills; the bills were higher despite less amounts of energy used.

In an effort to keep to keep these bills down, the Center's main site boiler plant was built with the capability of using either No. 6 fuel oil or natural gas, depending on the relative cost and availability of each. In 1978, No. 6 fuel oil was less expensive for each unit of heat produced; in 1979, the situation was reversed.

TOTAL ENERGY SCOREBOARD FOR DECEMBER

	Dec. 78	Dec. 79	Change (percent)
Electricity (kilowatt hours).....	7,549,200	6,498,000	-13.9
Electricity (cost).....	\$241,795	\$281,479	+16.4
No. 6 fuel oil (gallons).....	392,625	47,353	-88
No. 6 fuel oil (cost).....	\$120,978	\$24,638	-80
Natural gas (thousands of cubic ft.).....	49,388	69,536	+41
Natural gas (cost).....	\$141,351	\$272,387	+93
Total energy (MBTU).....	199,902	157,717	-21
Total cost.....	\$504,124	\$578,504	+15

Talk by Haff . . .

(Continued from Page 1)

A contract between the Navy and a private energy firm was signed in December that calls for the firm to complete the evaluation of the geothermal resource, develop the geothermal steam field, construct an electric power plant, and operate the plant at no capital cost to the Navy.

The agreement also calls for the ultimate development of 75 megawatts of continuous power that would equate to a savings of approximately 1,300,000 barrels of oil a year. It is anticipated, Capt. Haff said, that the Coso geothermal resource could save the government approximately \$1,250,000 in the first year of operation.

"We feel this important new major power source may significantly reduce the military dependence in southern California on oil-generated electrical power and thus make available more electric power for use by the commercial and private sector."

During the final portion of Capt. Haff's remarks at the Business Outlook Conference, he focused attention on the impact that NWC has on the economy of Kern County and all parts of southern California.

To the Center's own budget for \$248 million can be added he said, the funds of several tenant activities plus certain other funds to arrive at a total dollar budget for the China Lake complex this fiscal year of \$278 million.

Nearly 41 percent of this amount goes out to industry and to contractors for services ranging from the design of highly sophisticated guidance systems to the routine maintenance of housing and grounds at China Lake, Capt. Haff said.

"With the current conditions in Iran and Afghanistan plaguing the U.S. in many other areas of the world, our future dictates that we had better be prepared to meet not only the economic threat but the military threats on a real-time basis."

"I am basically an optimist," he concluded. "The outlook for 1980 and beyond can be bright, if we all work together."

Bluejacket fete . . .

(Continued from Page 1)

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 Mrs. Smith.

Following the dinner, which will be preceded by an invocation to be delivered by LCdr. Rod Wallace, assistant chaplain of the NWC Protestant Congregation, the nine Bluejacket candidates will be introduced, and the winner will be announced by Capt. Haff.

The awards for the Bluejacket of the Year program are made possible by donations received from members of the IWW Council of the Navy League and other interested persons, including businessmen in the local area and contractors and corporations that do business with the Naval Weapons Center.

A six-man committee, headed by OSCS Gillen, was responsible for selecting the winner of the 1979 Bluejacket of the Year competition.

Museum seeks ideas from community on building, exhibits

Residents of the Indian Wells Valley and surrounding areas are invited to discuss their views and ideas for the design, construction, and facilities of the new Maturango Museum and its exhibits with the architects, exhibit designer and museum officials at the museum on Sunday between 2 and 5 p.m.

The participation of all segments of the local community is particularly sought during this important phase of planning.

Written comments addressed to the Maturango Museum (P.O. Box 1776, Ridgecrest, Calif. 93555) will also be accepted if they are received no later than Monday.



—Photo by Ron Allen

MERITORIOUS SERVICE MEDAL PRESENTED — Capt. William B. Haff (at right), NWC Commander, congratulates LCdr. Perry Patterson, the Center's Staff Judge Advocate, after presenting him with the Defense Meritorious Service Medal and citation. In attendance at the ceremony held in the office of the Center Commander was LCdr. Patterson's wife, Jackie. LCdr. Patterson was cited for his leadership and professional competence in accomplishing important diplomatic matters as a member of and Recorder to the Iceland-United States Defense Council. At the time (November 1976 to December 1977), he was the Staff Judge Advocate assigned to Headquarters of the Iceland Defense Force. The citation that accompanied the Defense Meritorious Service Medal received by LCdr. Patterson was signed by Vice Admiral D. D. Engen, Deputy Commander in Chief Atlantic.

Girl escapes serious injury when thrown from horse in accident Sun.

An accident that could have resulted in serious injury occurred last Sunday afternoon near the southeast corner of the golf course when a rider on a mini-bike spooked a horse, causing the normally gentle animal to throw one of its riders.

Injured in the mishap was 16-year-old Denise Benson, who was riding behind her sister Deanna on the horse. Accompanying them was a friend, 16-year-old Tami Leak, riding another horse.

Ms. Benson was transported by ambulance to the NRMCC branch clinic, where X-rays indicated no broken bones, although her hip was severely bruised.

Speed Limit Exceeded

The mini-bike rider, according to the girls, had ridden back and forth reportedly at speed in excess of the 10-mi.-per-hour speed limit on this dirt road. The road is supposed to be used by motorcycles and mini-bike riders only as an access route to recreational riding areas on the Center.

Both motorcycle riders and equestrians

Engineer in Training refresher workshop planned next Thurs.

An Engineer in Training (EIT) exam refresher workshop will be held next Thursday, Jan. 24, from 12:30 to 4:30 p.m. in Room 107 of the Training Center.

The workshop will be conducted by Ray W. Van Aken, acting head of the Ordnance Systems Department's Airframe Special Project Office, who is a professional engineer.

Passing the EIT exam is one of the steps required to become a professional engineer. It also is used in Civil Service in support of achieving a professional designation.

The next EIT exam will be held on April 19, and Feb. 1 is the final date for filing an application to take the exam.

Scheduled for discussion during the workshop conducted by Van Aken will be EIT exam registration requirements, content of the exam, study and reference materials, and strategy for taking the exam.

Information also is available at the Training Center about an EIT review course that will be held at California State University in Los Angeles for nine Saturdays, beginning on Feb. 9. The tuition for this course is \$130.

need to be aware that they can unexpectedly meet in this area; both could easily be injured if a cyclist startles a horse.

Regulations about riding motorcycles and mini-bikes on-Center are covered in the motorcycle training class taught by personnel of the Safety and Security Department. This class is now mandatory for all riders of motorcycles and mini-bikes on any Navy establishment (OPNAVINST 5100.12A). NWC personnel who ride a motorcycle will be allowed 8 hours of official training time for attendance at the mandatory motorcycle safety course.

Class Scheduled Feb. 2

Those living on-Center who own motorcycles or mini-bikes, or those who ride to work on either and have not yet taken the motorcycle safety class, are reminded that it will again be offered on Saturday, Feb. 2 starting at 8 a.m., at the Safety Office, located at Nimitz and Hussey Aves.

All persons taking the class must have a signed waiver of responsibility. Adults may sign for themselves on the day of the class; any minor taking the class needs to have a waiver signed by parent or guardian prior to enrollment.

Those wishing to enroll are encouraged to call the Safety and Security Department, NWC ext. 2367, to pre-register.

Reward offered for help in solving burglary at museum

The Maturango Museum of the Indian Wells Valley urges full public cooperation with all local and county authorities working to solve the recent burglary at nearby Randsburg Desert Museum.

The Maturango Museum will pay a \$250 reward for information leading to safe recovery of the stolen artifacts and other irreplaceable objects, and the arrest, trial, and conviction of the person, or persons, responsible for the December break-in at neighboring Randsburg Desert Museum.

All information pertinent to the case should be given directly to the Kern County Sheriff's sub-station in Ridgecrest (telephone 375-9761).

Final determination for eligibility to claim the reward will rest upon records assembled during the sheriff's investigation.

FMA director gives views on pay reform; lunch meeting set

Bun Bray, National Executive Director of the Federal Managers Association (FMA), was briefed recently in Washington, D.C., on the proposed Civil Service Reform Act (CSRA) Demonstration Project that is currently being worked on at the Naval Weapons Center and at the Naval Ocean Systems Center in San Diego.

Bray, who initially spoke out against the CSRA and Merit Pay, stated that now that CSRA is law, it is the job of managers and supervisors to make it work.

In addition, he noted that since the choice was between the Navy's Merit Pay System or the Demonstration Project, he favored the Demonstration Project because he sees many advantages under it.

Bray praised NWC and NOSC for the innovative efforts to create a better system of employee performance evaluation and recognition.

Information on the proposed Demonstration Project was provided to FMA's National Executive Director by Steve Sanders, acting head of the NWC Personnel Department at NWC, and by Randy Riley, the top civilian personnel official at NOSC. Also present during this briefing for Bray was Dennis Rowell, president of China Lake Chapter No. 28 of the FMA.

This week, Rowell called attention to the fact that Jule Sugarman, Deputy Director of the Office of Personnel Management, will be in the local area on Tuesday for the purpose of conducting a public hearing on the CSRA Demonstration Project.

If the hearing is completed by noon, Sugarman will be the guest speaker at an FMA luncheon meeting to be held Tuesday at the Enlisted Mess.

All those interested in attending the FMA luncheon on Tuesday, including FMA members, must call for reservations and indicate their menu selection of broasted chicken or chef's salad prior to 4:30 p.m. Monday. Reservations can be made by calling Rowell or Edna Easterling at NWC ext. 3791.

Correct mail address listed for all travel, military pay, records

Mail being sent to the Personnel Support Activity Detachment (PSD), which is the local representative of the Pay / Personnel Administrative Support System (PASS), has strayed from its most direct route, in part due to misinformation in The ROCKETEER about how PSD would appear on NWC organization charts.

Adding to the confusion is that military travel claims and advances are handled by PSD (Public Voucher / Travel Section, Code N72), but claims and advances for civilian Navy-sponsored travel are handled by the Travel Office, Code 0864, of the Office of Finance and Management.

Actual transportation for both military and civilian Navy travelers falls under PSD again—the Navy-Sponsored Transportation Division, Code N4.

Guard Mail sent to any of the divisions or sections of PSD should be addressed to PSD, and then the individual code within that detachment.

The Officer in Charge is Code N00. Administrative Support Services Division is Code N1, and the ADP Systems Operator is Code N11.

Military Personnel Division, Code N3, has three sections: Customer Services Section, Code N31; Separations/Reenlistment/Retirement / Fleet Reserve Section, Code N32; and Educational Services Section, Code N33.

Navy-Sponsored Transportation Division (which handles traffic and transportation support, including passports and visas) is Code N4.

Military Pay Division, Code N7, has two sections: Pay Sections, Code N71; and Public Voucher / Travel Section, Code N72.

Engineering Dept. offers chance to learn trade

"Demand for skilled tradespeople has far exceeded the supply of such personnel," says Dale Randle, head of the Engineering Prototype Division (Code 364) of the Engineering Department. "Generally they are out of work only as long as it takes to fill out an application."

The shortage of tradespeople to fill vacancies has resulted in Code 36 offering many opportunities annually for interested persons to learn a trade while earning excellent pay and working in the Engineering Prototype Division. Trades vary from machinist, using the variety of manufacturing tools in the Center's machine shops, to electronics assembler, using various tools to assemble electronic components to printed circuit boards.

Little Skill With Tools Needed

Entry level jobs in the prejourneyman programs require very little skill with tools or knowledge of the trades. However, any existing training or experience is helpful in qualifying.

Training and experience can be acquired in many different ways—such as building a fence using a hammer and nails; performing minor repairs on automobiles, bicycles, or motorcycles; fixing toasters, irons, and other electrical appliances; or taking classes such as soldering, welding, drafting in high school, on Center, or at Cerro Coso Community College.

Many persons, both men and women, already have this type of hands-on experience, but they omit listing this type of practical experience and training on job applications. It should be included by those who wish to be considered for the trades. Needed also are an interest in mechanical or electronics operations, coordination, and perceptiveness.

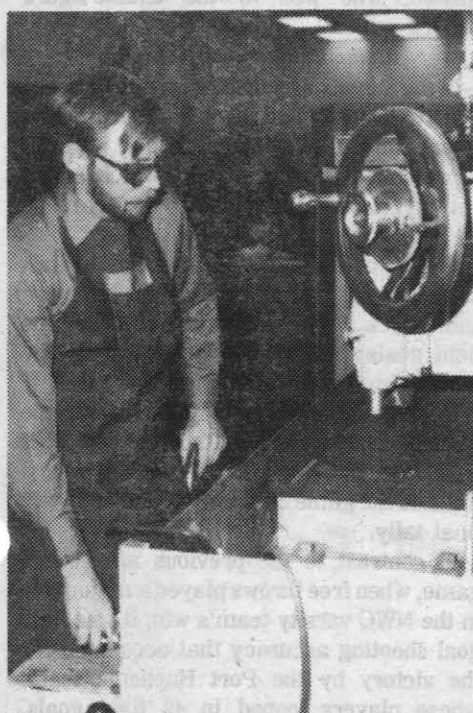
"Those who have any training or experience at all usually go right to the top of the register," says Randle. The jobs are filled through Promotional Opportunities published in The ROCKETEER, through the Upward Mobility Program, and through other means.

Women Encouraged To Apply

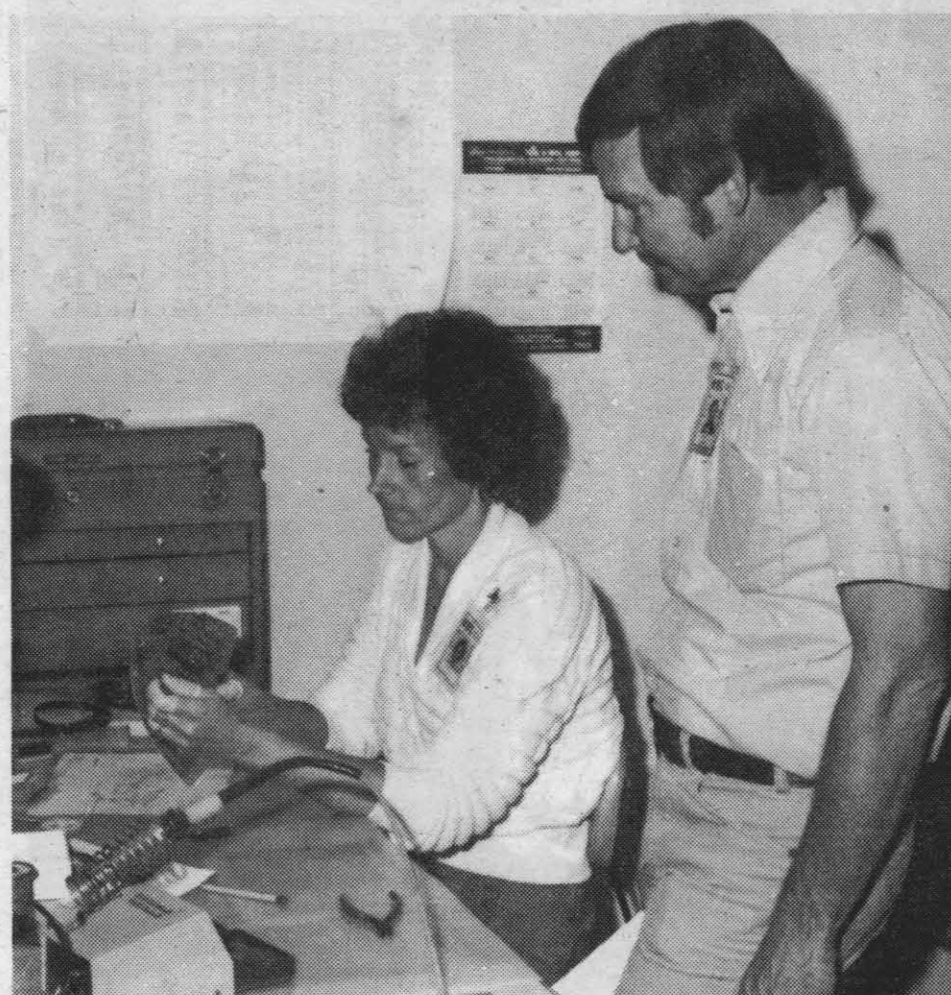
Women and minority group members are especially encouraged to apply. Two women—Nona Celestine and Sherri Miller—completed training as machinists in the last apprentice training group and are now working as machinists on the Center.

Once employees begin prejourneyman training they take on-Center courses in their appropriate fields, study courses offered by International Correspondence School, and attend classes at Cerro Coso College. Most of the training, however, is on the job.

Entry level prejourneyman positions are at the WG-5 level as a helper; beginning pay for WG-5 is \$7.17 an hour (which is higher than GS-7, step 1). During the training



DAILY GRIND — Bill Reed operates a grinder in the Michelson Laboratory machine shop grinding room. Reed completed his training as a machinist last year, and is continuing to study machining and engineering techniques.



GETTING IT TOGETHER — Linda Wincn assembles a circuit board while her branch head, Richard Tolkmitt, watches. Ms. Wincn entered the electronics field after 8 years as a secretary and enthusiastically recommends that anyone who feels frustrated or dead-ended in a clerical field consider learning one of the trades.

—Photos by Ron Allen

period, a WG-8 is attained, and journeymen start as WG-10s.

Those who wish to advance beyond journeyman have a number of career options. If, for instance, a machinist wishes to rise to a WG-14 level, this grade is possible



PRECISION WORK — Gary Ford, who recently completed prejourneyman training as a machine tool operator, finishes rings using a numerical controlled mill.

for a model maker. Openings also exist for quality inspection specialists or inspectors at higher levels.

Some journeymen move into GS ranks as technicians in the technical divisions or other codes, while some continue their education to become engineers.

Planning eventually to become an engineer is Bill Reed, who recently completed the apprentice program and is now a machinist. Reed had the opportunity to examine a number of career options when he served as a Marine Corps career planner.

He decided then that learning a trade while working for the government provided wide open job opportunities. While continuing to work in Code 364 as a machinist he plans to continue to take classes so that he may eventually qualify for an engineering fellowship program.

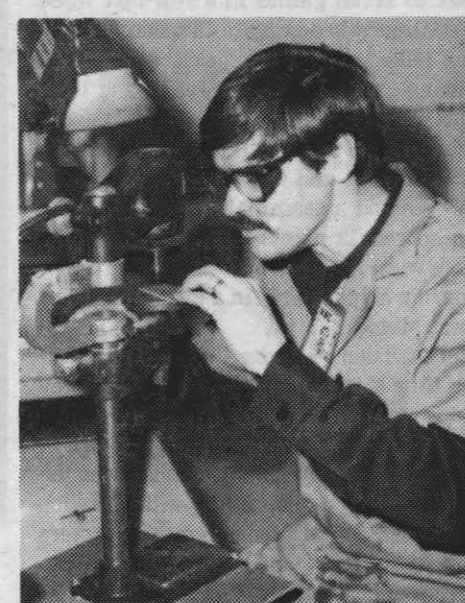
Derrel Beebe, formerly a police officer in

ease into the new field by working as an assembler just a couple of days a week. When I found that I liked the work, I took classes and got a lot of on-the-job training, too."

Ms. Wincn feels that women are far better suited for electronic assembly work because they have superior ability to handle minutely detailed repetitive tasks.

"There's nothing here that anyone can't do," she adds. "I'm not working any harder than I did as a conscientious secretary, but I'm enjoying my work a lot more, and I'm certainly getting paid a lot better."

Mike Dowd also had been a clerical employee when he applied for prejourneyman training in electronics. He says that he thoroughly enjoys his new job



CAREER CHANGE — Derrel Beebe, who had spent eight years as a police officer in the China Lake Police Division, entered the prejourneyman program last year to become an engraved circuit maker. He feels that trades open a lot of avenues for personal and professional growth.

because it provides good learning experience.

Just as enthusiastic about being able to branch out into a new field is Gary Ford, who has recently completed training to become a machine tool operator. He had done maintenance work before entering a machinist training program on the job and in college classes. Leading him into that field was the knowledge that "you can always find a job as a machinist any place in the country."



PRECISION OPERATION — Mike Dowd, who is shown wiring a vector board, transferred into electronics training from a clerical job. He enjoys not only precision work, but also the variety of tasks that he is called upon to learn.