

Holiday dinner-dance planned by Catholic Congregation tonight

Members of the All Faith Chapel's Catholic Congregation will celebrate the coming holiday season by holding their annual Christmas dinner-dance tonight at the Commissioned Officers' Mess.

The theme of this gala affair is "Holiday Anticipation," and tickets are priced at \$10 per person. This cost includes a complete dinner, (served with wine) that will feature a main entree of roast beef and fried chicken.

A social hour starting at 7 p.m. will precede dinner at 8, and there will be dancing from 9 p.m. to 1 a.m. to music provided by Ed Frezza's band.

Arrangements for this gala affair have been made by Carolyn Braum, who is in charge of decorations; Jo Burdick, the tickets chairman; and Vivian Boultinghouse, who handled publicity.

Performers sought for variety show at Community Center

All NWC personnel, military and civilian, who have a special talent and would like to participate in a variety show planned at the Community Center in early January, are asked to contact Art Amos, Community Center manager.

Amos stresses that this is not an amateur or Gong-type show, since there will be no judging or prizes.

Amos can be contacted in person at the Community Center during working hours Mondays through Fridays, or called by phoning NWC ext. 2010.



Commissioned Officers' Mess

Thanksgiving Day will be observed in a gala fashion next Thursday, Nov. 23, at the Commissioned Officers' Mess, where a buffet-style dinner will be available for members and guests from 3 to 8 p.m.

The main entrees of roast tom turkey and Virginia baked ham will be accompanied by "all the trimmings," E. B. StavRue, manager of the COM stated.

Reservations for the Thanksgiving Day dinner at the COM can be made by calling 446-2549, and must be made before Monday.

Next Friday, Nov. 24, the COM will be open for bar service only from 4:30 to 6:30 p.m., and a diners' night menu has been planned on Saturday, Nov. 25, from 6 to 9 o'clock. The bar will be open starting at 4:30 p.m. on Nov. 25.

Tuesday, Nov. 28, will be "Italian night" at the COM, with dinner served from 6 to 8 o'clock. Spaghetti and meat sauce (all you can eat for \$1.95 for adults and \$1 for children) will be served, and there also will be other Italian entrees on the menu.

CPO Club

A stag bar opens the CPO Club today at 3 p.m., in honor of "Bosses' Night." This will be followed by family dining, beginning at 7:30 p.m.

The dinner specials will be a prime rib of beef and Icelandic cod.

The "Sounds of Country" band will pay for dancing and listening pleasure of patrons starting at 9 p.m.

Enlisted Mess

Dancing will be the highlight of the evening both tonight and tomorrow night at the Enlisted Mess.

Tonight Eddie Machetti and his rock band will play from 9 to 1:30. There will be a service charge of \$1 per person which will be collected at the door. Dinner special for those who wish to dine earlier will be a seafood plate with lobster.

Blue Jean disco will be featured tomorrow evening from 9 to 1:30. There will be no service charge on Saturday.



HOLIDAY BAZAAR UNDERWAY — As this photo was taken, Kay Lloyd (at left) and Mary Mayhew, these two members of Chi Alpha Sorority were busily working on stuffed toys and patchwork pillows that are now on sale at their booth at the WACOM-sponsored holiday bazaar. Two dozen other local clubs and organizations also are involved in this year's festive event. — Photo by Ron Allen

WACOM's annual Holiday Bazaar now open at Community Center

The Community Center will be bustling with activity from now until 8 o'clock tonight, and tomorrow from 10 a.m. to 4 p.m. while the ninth annual Holiday Bazaar, sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) is in progress.

The festive event was opened this morning at 10 o'clock during a ribbon-cutting ceremony at which Rear Admiral William L. Harris, NWC Commander, officiated.

Representatives of 25 organizations from throughout the local area are manning booths at the bazaar, where patrons can find just about every kind of handiwork imaginable, as well as their choice of such items as holiday candies, assorted nuts, home-baked cakes, sweet rolls and breads.

In addition, unique Christmas cards and calendars, desert note paper, macrame ornaments, holiday gift package decorations, bread dough wreaths, and an assortment of unusual toys and other gift items can be purchased by those who are interested in something a little different in the way of gifts for a friend or relative.

Baked goods are being sold today by the Jewish Women's Club, and tomorrow there will be a similar concession manned by members of the Protestant Women of the Chapel.

Cutting boards and clocks are being offered for sale by the Woodcrafters of Burroughs High School and, at a booth manned by members of Chi Alpha sorority, patchwork pillows and stuffed toys can be found.

Plants, candle wreaths and miniature dried flower arrangements are among items that Holiday Bazaar patrons will find at the Desert Garden Club booth. In addition, the Burroughs High School Band Boosters have made pinecone wreaths and choir figures, and there are ceramic tree ornaments, holiday decorations for door knobs and toys at the Rebekah Lodge booth.

The IWY Chapter of Federally Employed

Scout-O-Rama slated at Ridgecrest park

The annual Scout-O-Rama held by members of local Boy Scout groups will be held in Helmers Park in Ridgecrest tomorrow between noon and 3 p.m.

The event is planned to permit the boys in Cub Scouts and Boy Scouts and the boys and girls in the Explorer Posts to demonstrate the skills and crafts that they have learned, and to give the public an opportunity to become better acquainted with scouting.

Various game and demonstration booths will permit those attending to take part in the events as well as to view the exhibits of crafts and skills.

Everyone in the area is invited. Tickets are now on sale by all local Boy Scouts. The admission charge is \$2 per family.

Women is making its first appearance at this annual fete, and hopes to raise money for the support of its program by the sale of old fashioned lantern candles and Santa Claus banks filled with candy.

WACOM members are in the business of selling "shriek alarms" for protection against burglars, as well as their popular cookbooks, desert note paper and children's coloring books.

There also is a tea room operated by WACOM where slices of homemade pies and cakes, cookies, sandwiches and drinks are being sold to help stave off any hunger pangs which may develop as patrons at the bazaar are making the rounds of the many varied and interesting booths.

Proceeds from a "white elephant" sale being conducted by the Military Officers' Wives Club will go toward providing a scholarship for a college-bound son or daughter of a military family in the local area.

Santa Claus is present at the Holiday Bazaar to talk with youngsters about their Christmas gift requests, and the Cerro Coso WOWs have set up a photograph booth where youngsters may have their pictures taken with or without Santa.

Proceeds from the bazaar are earmarked for the purpose of helping to carry on many worthwhile charitable, civic and youth service programs. Money raised by this festive event last year was used for a variety of philanthropic purposes — ranging from church-supported foreign missions to scholarships and fellowships that were awarded to deserving students.

Hobby Shops offer wide selection for Christmas shoppers

Early Christmas shoppers (and hobbyists of all sorts) will find a wide selection of hobby supplies for sale at the NWC hobby shops located behind the old Station restaurant building on Lauritsen and Blandy Avenues.

Items now on hand include stained glass kits, candle-making kits, string art, paint-by-numbers kits, and many airplane, boat and model car kits.

Skilled personnel are on hand to answer questions for hobbyists working in the woodworking, electronics and ceramic hobby shops.

The general hobby shops are open to all NWC civilians and military personnel and their dependents. Hours are Tuesdays through Fridays from 2 to 9 p.m., and Saturdays from 9 to 4:30.

The automotive hobby shop, which is open to military personnel only is now stocking anti-freeze for sale at a savings compared to its regular cost. There is a \$6 per year fee for membership in the auto hobby shop.



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

Regular starting time—7:30 p.m.

FRIDAY Nov. 17
"Dracula's Dog" (94 min.) The burial place of the Draculas is accidentally unearthed in Transylvania. When a stake is loosened from a dog's corpse, the dog springs to life and unstakes his master. They seek the last descendant of Dracula, Michael Pataki, who is living in Los Angeles. Inspector Jose Ferrer, knowing the legend, also goes to Los Angeles. (Horror-drama, rated R)

SATURDAY Nov. 18
"Hooch" (106 min.) In Clayton, N.C., the majority of the voters are moonshiners. Gil Gerard didn't pay off the sheriff. He has two girls, one of whom, Erika Fox, is the sheriff's niece. When the stills in Clayton are destroyed and the blame is placed on Gerard, everyone is after him, including the other moonshiners, the mob, the sheriff, and the girls. (Comedy-drama, rated PG)

MONDAY Nov. 20
"An Unmarried Woman" (124 min.) Michael Murphy and Jill Clayburgh have been wed 16 years. Murphy one day blurts out to Clayburgh that he's fallen in love with another woman. She is hurt and shocked and finds she can't forgive easily. Clayburgh's close friends try to help, as does analyst Penelope Russanoff. She has a one-night affair with artist Cliff Gorman, replaced in short order by English Alan Bates, who offers tenderness, understanding and a lasting relationship. (Drama, rated R)

WEDNESDAY Nov. 22
"Harper Valley PTA" (97 min.) Barbara Eden looks terrific as the widowed mother who wreaks merry vengeance on the PTA board members who criticize her. Ronny Cox plays the wealthy bachelor member of the PTA who approves of Eden and courts her. Susan Swift portrays Eden's daughter and Nanette Fabray is Eden's close friend. Pat Paulsen and Audrey Christie are especially funny as hypocritical PTA board members. One hilarious scene has three elephants painted pink, crashing into drunkard Paulsen's bedroom. (Comedy, rated PG)

FRIDAY Nov. 24
"The Wicker Man" (87 min.) The film has an air of pagan ritualism and heavy sexual symbolism and there is a good amount of nudity, while little in the way of gore is shown. The horror element works from the standpoint of ordinary people participating in terrifying events. Edward Woodward is the uncompromising police sergeant, a representative of Christianity, and the three heroines, Diane Cilento, Ingrid Pitt and Britt Ekland, are in for more than decoration. (Horror-drama, rated R)

SATURDAY Nov. 25
"Jennifer" (97 min.) A frightening story of a high school girl blessed with terrifying supernatural powers. Lisa Pelikan stars in the title role of a poor back-country girl who has been awarded a scholarship to an exclusive girls' school. The dislike of Jennifer triggers a series of deaths caused by the "power." Nina Foch, Jeff Corey and John Gavin add interest to the supporting roles. Special snake effects are terrifying and will keep audiences on the edge of their seats. (Horror-drama, rated PG)

Rocketeer has early deadline next week

Because of the Thanksgiving Day holiday next Thursday, it is necessary to move up the deadline for receiving information on stories to be published in the Friday, Nov. 24, issue of The ROCKETEER.

Instead of the normal deadline of Tuesday at 4:30 p.m., all information must be received no later than 4:30 p.m. on Monday for articles that are intended for use in the Nov. 24 issue of the Center newspaper.

U.S. Government Printing Office:
1979—No. 3

From:	PLACE STAMP HERE
To:	

Under 'Project 2000'

Answers sought to NWC's total resource requirements

During 1976 and early 1977, the Naval Weapons Center conducted a study to determine the modernization requirements for the NWC Test and Evaluation Directorate. This study became popularly known as "Project 21."

In June of this year Rear Admiral William L. Harris, NWC Commander, authorized the initiation of a similar study, referred to as "Project 2000," to plan the Center's total resource requirements for the next 25 years.

The Project 2000 study will establish a baseline for an investment plan and will address such issues as: (1) identification of current and future products, (2) facilities

obsolescence, (3) maintenance backlog, (4) timely acquisition of facilities to adequately support RDT&E programs, (5) consolidation and centralization, (6) disposition of low-utility facilities, (7) deficiencies involving encroachment, safety (OSHA), laboratory environment, and utilities, (8) research and support equipment needs.

James R. Bowen heads up the newly formed Project 2000 office. "Project 2000," he said, "will utilize the methodology developed in Project 21. Project 21 focused on identifying the required major capital improvements to facilities, instrumentation, land, and air space of the T&E base. The Project 2000 study will considerably

expand the scope of the Project 21 effort to provide a comprehensive program for planning and marketing the Center's total resource requirements out to the year 2000."

Since June a small five-man team has been assembled. A presentation outlining the methodology and schedule for the Project 2000 study was given in July to each NWC department. At that time departments were requested to review existing facilities and major research and support equipment under their cognizance, and to consider formulating questions they would like top management to address. Answers to these questions would allow the departments to be

able to participate fully in the Project 2000 study.

Questions submitted by the departments addressed both current and future concerns and interest in such areas as mission and roles, product areas and lines of opportunity, facilities, research and support equipment, personnel constraints, centralization and consolidation, encroachment, safety, and environmental impacts. Responses to the questions will be published early this month.

According to Bowen, before NWC can establish its future resource needs beyond the normal five-year planning cycle, it must

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Naval Weapons Center
China Lake
California

November 17, 1978

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Technical Director Awards presented for work on Charge-Coupled Device

Two employees of the Electronic Systems Branch in the Naval Weapons Center's Weapons Department on Monday became the latest recipients of the NWC Technical Director Award for outstanding technical accomplishment.

Singled out to receive this special form of a Superior Achievement Award were Bernard P. Wenzl, a supervisory electronics engineer who heads the Electronics Systems Branch (Code 3924), and George F. Teate, an electronics technician, who is the project engineer on an exploratory development program that has been underway for nearly two years on the Charge-Coupled Device (CCD).

A letter of commendation, an engraved paperweight and a \$200 stipend which comprise the Technical Director Award were presented to Wenzl and Teate by Bob Hillyer, NWC Technical Director.

It was noted by Hillyer in the identical copies of the letter of commendation which the two men received that "your efforts and contributions to furthering the application of CCD technology to missile seekers are worthy of acknowledgement."

Significant Milestone Reached

Hillyer complimented Wenzl and Teate for their foresight and perseverance that have been instrumental in obtaining continued support for the CCD technology. "Due in great part to your technical guidance and management incentive, the CCD team has reached a significant milestone in the recent PAVE PRISM testing," the Technical Director added.

Basically, according to Wenzl, the CCD is a small, low-cost television camera that is capable of operating in the visible and near infrared portions of the spectrum. Members of the CCD team have taken advantage of the latest advances in solid state CCD arrays and also have utilized a micro-processor which is the heart of a miniature, programmable computer to develop what may be an advanced missile seeker.

The Technical Director award was based on the work which went into getting the hardware together, checking it out, and (working against a tight deadline) meeting the schedule for field tests which, to date, hold forth the promise that this particular effort has military applications as a missile seeker.

Wenzl and Teate were recommended for

the Technical Director Award by W. B. Porter, head of the NWC Weapons Department, because of their efforts and contributions to furthering the application of CCD technology to missile seekers.

Wenzl, it was noted, provided valuable technical guidance and management incentive in support of Teate and other members of the CCD team. In addition, Wenzl was successful in substantiating the potential of this technology by his convincing presentations of information at the Systems Command and Department of Defense levels, his department head pointed out.

Porter concluded his letter of recommendation urging presentation of the Technical Director Award to Wenzl and Teate by noting that even though it is too early to completely assess the quantitative

(Continued on Page 3)



COMBINED FEDERAL CAMPAIGN												
Percentage of Participation												
as of Wednesday, Nov. 15, 1978												
audited total to date \$110,112												
Code	00	03	06	08	09	12	21					
Pct.	95	100	64	49	66	100	84					
Code	23	24	25	26	31	32	33					
Pct.	53	45	85	33	41	34	75					
Code	35	36	38	39	61	62	93					
Pct.	50	57	89	48	62	29	100					
Code	94	95	96	97	VX-5	PO	BLM					
Pct.	47	85	94	60	67	42						

(Continued on Page 5)



From The Commander

During this Thanksgiving Season I would like to extend a special greeting to all employees, military and civilian, of the Naval Weapons Center. This season is an appropriate time to take stock of our many blessings, both as individuals and as a nation.

Each of you can take extra pride in playing a vital part in creating and maintaining the strong defenses that allow our great nation to remain at peace. My thanks to you all for your efforts toward fulfillment of this Center's important mission in support of the Fleet.

For those of you whose official duties will keep you from enjoying Thanksgiving with your loved ones, I extend a special thanks for your sacrifice on behalf of your country.

An extra blessing this year is the generosity of many of you toward the worthy causes supported by the Combined Federal Campaign. Because you are willing to share your blessings, donations are now approaching the highest total collected in the local history of this campaign.

During this special family-centered holiday, many of you will be traveling to family gatherings. I urge you to be especially careful and to drive defensively under unusually difficult highway conditions.

My best wishes for a happy and safe holiday.

W.L. Harris

Ministerial group plans Thanksgiving service Sunday night at All Faith Chapel

A community Thanksgiving service, arranged by the Indian Wells Valley Ministerial Fellowship, will be held on Sunday, starting at 7 p.m., at the Naval Weapons Center's All Faith Chapel.

Fr. John Patterson, of St. Michael's Episcopal Church in Ridgecrest, will deliver the sermon, and the combined choirs from participating churches will sing, accompanied by Joan Fowler, chapel organist.

The choir will be directed by the Rev. Eugene Royal, co-pastor of the Immanuel Baptist Church, and there will be congregational singing led by Pastor Herb Schneidau of the Ridgecrest Foursquare Church.

Included among the leaders from other churches in the local area who will have a part in this community Thanksgiving service are the Rev. Larry Kassebaum, pastor of the Grace Lutheran Church, who will give the invocation, followed by the call to worship from Elder Bert Niccum of the Ridgecrest Church of Christ, and a welcome by Capt. F. E. Whittaker, senior chaplain of the Naval Weapons Center.

In addition, lessons from the Old and New Testament will be read by Sherman Jefferson and Ira Turner, who are the pastors of the Seventh-day Adventist Church and the Ridgecrest Church of the Nazarene, respectively. Witness in prayer will be offered by Chaplain R. C. Wallace of the All Faith Chapel, and the introduction to the

goodwill offering will be given by Pastor Ray Williams, of the First Baptist Church. The service will be closed with the benediction by Pastor Sam McDowell of the Calvary Assembly of God Church.

Gifts from the congregation assembled for this service will be donated to the Salvation Army.

Most facilities to be closed on Thanksgiving Day

Most facilities on the Naval Weapons Center will be closed on Thanksgiving Day, next Thursday, Nov. 23.

Special Services activities that will be open are the golf course, the bowling alley, and the gymnasium.

Hours of operation at the golf course are from 7:30 a.m. until 4:30 p.m., while the gymnasium, including the indoor pool, will be open from 11 a.m. until 7 in the evening.

Hall Memorial Lanes will maintain holiday hours on Thursday from 11 a.m. until 11 p.m., but will close at 8:30 in the evening on Wednesday, Nov. 22, preceding Thanksgiving.

All other business and recreational facilities, including the Navy Exchange stores, Package Store, Toyland, Commissary Store, snack bars, and hobby shops will be closed in observance of the holiday.

The Rocketeer

Official Weekly Publication
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Rear Admiral William L. Harris
NWC Commander

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Technical Director

Dr. Robert H. Pearson
Head,
Technical Information Department

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DEADLINES
Tuesday, 4:30 p.m.
Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Originals at Nimitz and LaGrange. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer is authorized for public release by the Office of the Commander, Code 003.
Phones 3334, 3355, 2347



Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2849. 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 qualifications for all GS positions are defined in CSC Handbook X-118, while those for all WO, WL and WS positions are defined in CSC Handbook X-118C.

Machinist, WG-3414-10, JD No. 169-4N, Code 3444 — (2 vacancies) Positions are located in the Experimental Prototype Shop, Engineering Prototype Division, Engineering Department. Duties include setting up and operating various machine tools, including various types and sizes of lathes, boring mills, milling machines, shapers, planers, precision grinding machines, and specialized multi-purpose machines related to these. Makes complex set-ups and precise alignments of work pieces in machines. Performs precision handwork to fit, finish, and assemble machined parts on bench or shop floor. Overhaul and repair of machinery. Follows blueprints, figures dimensions, selects and lays out appropriate materials to be machined, and shapes metals by use of hand tools. Job Relevant Criteria: Set-up and operation of machine tools. Trade theory and technical practices. Shop drawings, layout work, and measuring devices, handtools and fitting; knowledge of the characteristics of and the ability to work with materials used in the machinist trade; ability to do the work of the position without more than normal supervision. Supplementals are required and may be picked up in Rm. 204 of the Personnel Bldg. Promotional potential: 11.

Engraved Circuit Maker Helper, WG-2443-5, JD No. 624N, Code 3441 — This position is located in the Engineering Prototype Division, Electronics Prototype Branch, Engineering Department. The incumbent under the guidance of an engraved circuit maker or engineering technician, sizes material, drills holes for components, etches laminates, and performs other general operations in the manufacturing process of printed circuit boards. Job Relevant Criteria: Reliability and dependability; shop aptitude and interest; ability to follow directions in shop; dexterity and safety; ability to work as a member of a team. Promotion potential: WG-9.

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

Mail and File Clerk (Typing), GS-305-3/4, PD No. 7808087 and 7808088, Code 0822 — This position is located in the Mail and File Records Branch, Management Division, Office of Finance and Administration. The incumbent receives, opens, reads, and sorts incoming mail and routes it to the organization required to take action. Screens and dispatches outgoing material, files correspondence, and types route sheets. Job Relevant Criteria: Knowledge of NWC organizational structure; knowledge of technical, financial, legal, and professional subject matter; ability to file, sort, and route mail; knowledge of the filing system; and ability to type. Promotion potential: GS-9.

Secretary, GS-318, PD No. 7708080N, GS-4/5, Code 08A — This position is secretary to the deputy head, Office of Finance and Administration. The incumbent is responsible for providing administrative/clerical support to the supervisor; maintains calendar, files, etc.; reviews and directs incoming mail to the appropriate office; prepares route correspondence; schedules meetings, conferences, or travel. Job Relevant Criteria: Must be familiar with Navy correspondence format and files; ability to meet deadlines under pressure; knowledge of Center organization and policies; ability to deal with personnel at all levels of management.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2925.

Telephone Operator, GS-382-3, PD No. 7400010N, Code 2123 — This position is located in the Telephone Branch, Communications Division, Military Administration Department. Incumbent places and receives local, long distance, tie line, and Autocon calls from switchboard, handles emergency type calls, and acts as information operator. Job Relevant Criteria: Ability to speak clearly in a courteous fashion; knowledge of the English language and alphabet filing system. Previous applicants need not reapply.

Clerk-Typist, GS-322-4, or Communications Clerk, GS-394-4, PD No. 7821004N / PD No. 7350097N, Code 2123 — This position is located in the Telephone Branch, Communications Division, Military Administration Department. It is a training position for communications clerk. Incumbent maintains telephone/radio/circuit records; reviews and verifies radio contract; updates and corrects cable books, operates PABX switchboard and IBM OS6 equipment. Job Relevant Criteria: Clerk-Typist GS-322-4 — ability to type rapidly and accurately; knowledge of Mag II typewriter operation; ability to file; communications-clerk GS-394-4 — knowledge of telephone procedures; equipment identification, and terminology; ability to read computer printouts; ability to operate PABX switchboard; ability to type. Previous applicants need not reapply.

File application for the above with Leah Reusche, Bldg. 34, Rm. 206, Ph. 2723.

Clerk-Typist, GS-322-3/4, PD No. 7824015N, Code 2403 — This position is that of clerk-typist located in the Head of Staff Office, Safety and Security Department. The incumbent types official correspondence, memoranda, financial status reports, personnel reports, statistical reports and other documents. He/she acts as receptionist for the office and collects and prepares information for the supervisor's use. The incumbent also maintains files for the office. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of the rules of grammar, punctuation, and spelling; ability to work independently; knowledge of Navy correspondence policies and procedures; experience collecting and typing statistical material.

Security Clerk, GS-301-5, PD No. 7824027N, Code 2411 — This position is that of security clerk located in the Internal Security Branch of the Safety and Security Department. The incumbent processes visit request forms and personnel security clearances. The incumbent interviews employees as part of the clearance procedure and obtains fingerprints from the employees. He processes foreign visit requests and special investigation requests. The incumbent also processes passport applications. He also provides on-the-job training to other personnel within the organization. Job Relevant Criteria: Knowledge of personnel security procedures; knowledge of personnel security instructions and regulations; knowledge of Naval correspondence format and policies; ability to work independently; ability to communicate effectively with people. Prior applicants need not reapply.

Electronics Technician, GS-856-9, PD No. 7835173-1N, Code 3554 — This position is in the Countermeasures Division, Data Systems Branch of the Electronic Warfare Department. The incumbent is assigned projects to develop, fabricate, install, and modify specialized equipment for programs as defined by the branch. This includes hardware associated with analog and digital instrumentation, microprocessor, minicomputer, mid-and-large scale digital computers, data communication, and information display or range finding systems. Job Relevant Criteria: Background of specialized electronic experience which provides current technical knowledge that can be applied to the installation, modification, fabrication, and testing of high-speed digital instrumentation. Must have experience in solid state devices such as integrated circuits, transistor, diode, thyristor, and SCR. Desirable to have a working knowledge of mathematics, physics, and general engineering principles. Promotion potential: GS-11.

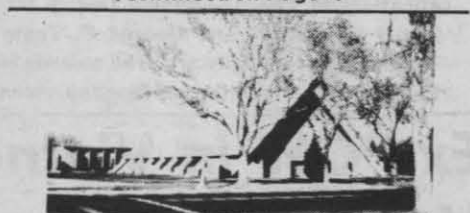
Electronics Technician, GS-856-9, PD No. 7835174N, Code 3554 — This position is in the Countermeasures Division, Data Systems Branch of the Electronic Warfare Department. The incumbent designs, develops, tests, and evaluates devices, tactics, and techniques to counter weapons operating on energy sources in the electromagnetic spectrum. Performs analyses, synthesis and design of weapons control systems for direct effect application. Job Relevant Criteria: Background of specialized electronic experience applied to installation, modification, fabrication, and testing of high-speed digital instrumentation. Must have experience in electronics field which includes solid state devices. Promotion potential: GS-11.

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 206, Ph. 2474.

Mechanical Engineer, GS-830-9/11/12, PD Nos. 7445004/7432084/782040, Code 3274 — Position is located in the Solid Propulsion Branch, Propulsion Systems Division, Ordnance Systems Department. At full-performance level, incumbent plans, estimates and schedules work on propulsion systems; prepares contract plans, specifications, and data lists to insure that systems meet Navy requirements; approves use of specific equipment and materials and determines test procedures. Performs feasibility studies and experimental design and analysis of propulsion systems and components, particularly to determine deficiencies which could cause problems in production or use; makes calculations to predict internal ballistics performance characteristics and design parameters of motor hardware. Represents project team at meetings with contractors and other government activities on technical matters. Job Relevant Criteria: Knowledge of the design and development of propulsion systems and components; skill in interpersonal relationships; ability to plan and administer technical programs.

General Engineer, GS-801-12, PD No. 7450062, Code 3269 — This position is located in the Bomb Development Branch, Conventional Weapons Division, Ordnance Systems Department. As a project engineer, directs or conducts studies to determine if new concepts can be applied to bomb systems; designs experiments, arranges for experimental firings, fabrication, and interpretation of results. Job Relevant Criteria: Knowledge of the design and development of propulsion systems and components; skill in interpersonal relationships; ability to plan and administer technical programs.

File applications for the above with Tina Rockdale, Bldg. 34, Rm. 204, Ph. 2925.



DIVINE SERVICES

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

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

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

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

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

Contact Chaplain's Office for specifics.

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

Football season ends tonight . . .

(Continued from Page 1)

Still doing a good job of grinding out the yardage, the Burros were able to move the ball from their own 20 to a first down on the Indians' 81 before a pass interception by Mike Mazzocco, defensive back for Hart, on the visitors' 6 yd. line, killed another BHS scoring threat as the first half ended.

After receiving the second half kickoff, a fumble by Burroughs set the stage for Hart High's only touchdown of the game. Starting from the BHS 38, the Indians were aided by a pair of 5-yd. penalties against Burros enroute to the BHS end zone. A short pass from quarterback Jennerson to Bill Fitzpatrick accounted for the score, and DeSeve's boot for the PAT was good, making it a 7-7 ball game.

Still in third quarter, the Burros turned speedy halfback Lee McDowell loose on a drive that carried from their own 41 to the Hart 18 before running out of gas. Moments

Elks Lodge keglers take over 1st place

in Premier League

The Elks Lodge keglers have replaced Ace Realty as the top team in the Premier League, following last Monday night's action at Hall Memorial Lanes.

The Elks, who had been just a game behind in second place prior to Monday night, proceeded to win all three games from Ace Realty — there by gaining a 2-game lead on their principal rivals for the league title.

Still in the thick of the battle, however, is the Fisher Plastering Squad, which is three games back in third place.

In their three-game sweep over Ace Realty, the Elks Lodge keglers also racked up the high team game (1,024) and high team series (2,855) for the night.

Chuck Rouland and Ernie Lanterman have had a hot hand in the past two weeks' competition by Premier League bowlers. On Nov. 13, Lanterman posted the high individual series of 713 by rolling games of 226, 242, and 245. This past Monday night, Chuck Rouland improved on that effort with a 732 individual series as he chalked up games of 256, 269 and 207.

Other Premier League bowlers who topped the 600 series mark this week, and their scores, were Glen Collins (651), Bob Young (638), and Ray Canfield (624).

In addition to Rouland, bowlers whose single game totals exceeded 220 were Collins (245 and 226), Max Thorson, (235) and Ed Rancik (227).

Recreation Roundup

(Continued on Page 7)

manually at the switch box.

An automatic timer is set to provide power for the lights between the hours of 5 and 8 p.m.

Water Exercise Class

A water exercise class for women is being held every Monday from 3:30 to 4:30 p.m. at the Center's indoor swimming pool.

Swimmers and non-swimmers are invited to participate in this class, which is taught by Carol Williams. There is a charge of \$1 per session.

Additional information can be obtained by calling NWC ext. 2334 or 2571.

Jr. high soccer champs to tackle all-star team

A soccer match between the Strikers, champions of the Murray Junior High School Soccer League, and an all-star squad composed of the best players from the other seven teams in the league, will be held tomorrow, starting at 7 p.m., at the Burroughs High School stadium.

All proceeds from the admission charge of \$1 for adults and 50 cents for youths 18 years of age and under, will be used to purchase such needed equipment as soccer goal nets and balls.

later (after a fourth down punt by the Indians gave the BHS varsity good field position on the Hart 44), a pass over the middle by quarterback Drake to tight end Kevin Kummerman, gave the Burros what appeared to be a first down on the Hart 15. This play was nullified by a penalty for having an ineligible receiver down field, and another good scoring opportunity for the BHS varsity went down the drain as time ran out in the third quarter.

Renewed Effort by Burros

Both teams battled on even terms for the first two-thirds of the final period of play, but again it was the Burros who seemed headed for the tie-breaker after the defense held on a 4th down and 1 situation at the Green and White 46. Three running plays by McDowell gained 18 yds. and a pass to Kummerman made it a first down for Burroughs on the Hart 16.

In four plays, two of them incomplete passes, the Burros were able to gain just a yard and had to relinquish the ball to their opponents with 1 min., 20 sec., of game time remaining.

Burros Get Last Chance

A fumble recovery by Lance Hunter for Burroughs on the Hart High 18 gave the local varsity eleven more opportunity to crack through for a possible game-winning score, but this threat was stopped on a pass interception in the end zone by Luke Warren, defensive back for Hart.

The Indians now had just 59 sec. to get the game-winning points on the board and did it with passes from reserve quarterback Steve Guevara to Jerry Meinhardt (39 yds. and a 1st down on the BHS 41), and to Fitzpatrick, who was dropped at the Green and White 25.

At that point, the Indians called on the talented te of DeSeve, who responded by booting the field goal which gave Hart High a 10-7 win.

(Continued from Page 2)

results. Determines weapon system characteristics, component specifications, fabrication, tests, system reliability and safety considerations, structural analysis and lead tests, aircraft compatibility and ballistic dispersion characteristics. Prepares project plans and schedules, and weapons reports. Directs preliminary design for bomb systems and its components. Conducts liaison with contractors and other government labs involved in developing or improving components or subsystems. Job Relevant Criteria: comprehensive knowledge of electrical and mechanical engineering; ability to plan and coordinate projects through completion, including budgetary relationships; skill in interpersonal relationships; general knowledge of the ordnance field.

Aerospace Engineer, GS-841-11/12, PD Nos. 7423232-1/7450111-1, Code 3274 — This position is located in the Solid Propulsion Branch, Propulsion Systems Division, Ordnance Systems Department. At the full-performance level, incumbent directs and coordinates the design and development of one or more major propulsion system components, either in-house or by contract; mathematically predicts performance; or design parameters; exercises technical supervision over draftsmen and junior engineers; plans and evaluates tests of components; represents engineering team at meetings and contractors and other activities; and performs duties associated with project's personnel, fiscal, technical, and scheduling aspects. Job Relevant Criteria: Knowledge of solid propellant rocket motor design; knowledge of pyrotechnic design; demonstrated skill in interpersonal relationships; ability to communicate correctly and concisely, both orally and in writing.

Mechanical Engineering Technician, GS-802-11, PD No. 7545053, Code 3269 — This position is located in the Bomb Development Branch, Conventional Weapons Division, Ordnance Systems Department. Incumbent analyzes design drawings to advise design engineers as to adequacy and soundness of hardware component and assembly designs from a manufacturing, functional, or cost standpoint. Must recognize need for special tooling, jigs, fixtures, and holding and handling devices. Assists in contract documentation package. Maintains continual contact with project engineers and contractor to reconcile any differences which may arise regarding manufacturing sequence or other contract-related problems. Investigates causes for failure to deliver and makes recommendations to correct conflicting deadlines. Assists project engineers in the design and conduct of hardware evaluations tests for weapon system or component adequacy. Job Relevant Criteria: Knowledge of mechanical design, design and mechanical engineering principles; knowledge of higher mathematics; knowledge of machine shop fabrication methodology; knowledge of weapon system hardware manufacturing and assembling processes; skill in interpersonal relationships.

Clerk-Typist, GS-322-4, PD No. 7545086AmI, Code 2363, (Temporary, not to exceed 120 days) — The incumbent is secretary in the Weapons Systems Branch, Ordnance Systems Division, Ordnance Systems Department. The incumbent types technical data, letters, and memoranda, frequently from handwritten drafts; receives and refers telephone callers and visitors; writes intra-center memoranda and letters of transmittal; processes both incoming and outgoing mail; maintains files; serves as collector engineers and contractor to reconcile any differences which may arise regarding manufacturing sequence or other contract-related problems. Investigates causes for failure to deliver and makes recommendations to correct conflicting deadlines. Assists project engineers in the design and conduct of hardware evaluations tests for weapon system or component adequacy. Job Relevant Criteria: Ability to operate IBM Mag Card Typewriter with speed and accuracy; knowledge of security

Success of first Federal Men's Day Program leads to plans for making it annual event

Workshops and panel discussions on the needs and interests of men in the Civil Service work force at the Naval Weapons Center highlighted a Federal Men's Day program that was held last week.

This event was arranged by the Federal Women's Program Committee and, because of the success of this first program of its kind to be held here, it will be come an annual event, according to Karen Altieri, the Federal Women's Program coordinator at NWC.

There was a good turnout of 130 for the morning program, 90 were present for a luncheon at the Chief Petty Officers' Club, and another 50 were in attendance for the final workshop of the day in the afternoon.

The Federal Men's Day program opened with a workshop led by Dr. M. M. Rogers, head of the Systems Development Department.

Panelists Speak Freely

Between them they covered some of the most controversial issues in the EEO field, and commented candidly on their own reservations about certain aspects of the EEO program.

Featured speaker at the Federal Men's Day luncheon was Phil Russell, Public Affairs Officer at the Civil Engineering Laboratory, Port Hueneme.

During his mid-day talk, Russell, who is well known for his support of the Federal Women's Program, sought to remove fears or anxiety that people may have concerning the women's movement by pointing out some of the benefits to male employees that have resulted from this movement.

Russell concluded the day's activities with a workshop-type presentation on "Sex Role Stereotyping" during which he covered the destructive effects of social stereotypes on the physiological and social development of both men and women.



GUEST SPEAKER — Karen Altieri, Federal Women's Program Coordinator at NWC, introduced Phil Russell, guest speaker at the Federal Men's Day Program held last week.

Promotional Opportunities

procedures concerning classified documents; skill in interpersonal relationships; ability to perform a wide variety of clerical/secretarial functions (filing, mail handling, travel arrangements, etc.); ability to communicate correctly and concisely in writing.

Clerk-Typist, GS-322-3/4, PD No. 7732021, Code 326, (Temporary not to exceed 120 days) — This position is located in the Conventional Weapons Division, Ordnance Systems Department and Incumbent may work in the various branches of the division. Incumbent will type from handwritten copy or rough drafts, letters, memoranda, project reports and budget estimates; and will perform a variety of clerical office functions, such as mail distribution, file upkeep and receiving office callers. Job Relevant Criteria: Ability to type correspondence, reports accurately; familiarity with Center regulations; ability to perform clerical/typing tasks with minimum guidance.

Physical Science Technician, GS-1311-7/8/9, PD No. 7832025N, Code 3264 — Promotion potential: GS-10. Incumbent mixes explosives based on mix component percentages known to him or supplied by a senior chemist. Performs program checks, selects the appropriate computer and ensures that the correct data tapes are available at that computer site when requested. The incumbent provides digital computer programming services to mathematicians and programmers for various projects. The assignments may include designing, coding and "debugging" small scale computer programs. Job Relevant Criteria: Must understand different computer numbering systems and be able to convert between decimal and these other systems. Must be able to understand the more common FORTRAN commands.

Electronics Engineer, GS-855-7/9/11, PD No. 7831160, Code 3141 — This position is located in the Guidance and Navigation Systems Branch, Avionics Division, Systems Development Department. Incumbent designs and fabricates special instrumentation for testing laser gyros and other inertial components, conducts tests, assesses data, and writes test reports. Plans and schedules component tests, and makes technical presentations on test results. Advises project engineers on inertial component quality and suitability for potential applications. Job Relevant Criteria: Knowledge of digital and analog electronics design; knowledge of FORTRAN programming language for ATE and data assessment programs, ability to troubleshoot instrumentation and test setups, ability to communicate orally and in writing.

Chemical Engineer, GS-893-12, PD No. 7832093, Code 3262 — This position is located in the Explosives Technology Branch, Conventional Weapons Division, Ordnance Systems Department. Incumbent conducts research and development programs concerned with the explosives loading of military ordnance developed both on and off station. Investigates the effect on product quality of variables (equipment variables, raw material variables, or operational variables) in high explosive melting and casting procedures. Serves as consultant to NWC groups, other government labs, and contractors on melting and casting of high explosives. Advises on warhead design in order to facilitate loading, and gives cost estimates for loading various explosives products; helps solve warhead loading problems relating to warhead design, loading equipment design, machining explosives to shape. Job Relevant Criteria: Knowledge of explosives chemistry; knowledge of engineering operations pertaining to explosives; knowledge of military ordnance utilizing explosive chemical materials.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2397.

Data Transcriber, GS-356-4/3/4, PD No. 7824075, Code 2626 — This position is located in the Department staff Public Works Department. The incumbent is responsible for the day-to-day status of the Annual Inspection Program which is input in a System 2000 data base system. The incumbent will be responsible for data base entry, editing, and updating; control, recurring reports, and special reports as needed. Job Relevant Criteria: Ability to operate a remote access data terminal; knowledge of the System 2000 data base system; ability to work independently; knowledge of the organization and function of the Public Works Department; ability to handle a large volume of data.

File applications for the above with Lucy Lambert, Bldg. 34, Rm. 210, Ph. 2392.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2314.



Recreation Roundup

NWC places 4th in 1978 MDISL sports competition

Athletes representing the Naval Weapons Center ended the year in fourth place in the Mojave Desert Inter-service League standings.

The China Lakers compiled a total of 100 points — just nine less than Norton Air Force Base, the 1978 champions of the MDISL.

Second and third place honors were taken by Nellis AFB and March AFB, with 107 and 105 points, respectively.

Other military installations involved in MDISL athletic competition, and their point totals for 1978, are as follows: Edwards AFB (90), the Marine Corps Logistic Support Base at Barstow (80), George AFB (70), the Twentynine Palms Marine Corps Base (67), and Los Angeles Air Force Station (43).

Intramural Basketball Begins

Competition began Wednesday night at the Center gym in Division A of the China Lake Intramural Basketball League.

Five teams are vying in this division, which will be playing its games on Tuesday, Wednesday and Thursday of each week, starting at 6 p.m.

Names of the Division A teams are the Homestead Hombres, The Pride, Time Out, Desert Motors and Loewen's Chukars.

Deadline Extended

The deadline has been extended until 4 p.m. today for the addition of all-military teams to the list of entrants in Divisions B and C of the Intramural Basketball League.

There is no charge for military personnel, except for a team deposit that is refundable at the end of the season.

Individuals who are interested in participating but cannot find a team are asked to call Chief Ron Hathorn, military liaison officer to the Special Services Division, who can be contacted by calling NWC ext. 3387.

Volleyball Practice Being Held

Men or women interested in playing or learning to play volleyball are invited to participate in practice sessions that are held at the Center gym on Sundays, starting at 4 p.m.

Military personnel especially are encouraged to participate.

Additional information can be obtained by placing a call to Jerry Kissick at NWC ext. 3990.

Help Conserve Energy

In order to help in the program to conserve energy on the Naval Weapons Center, the tennis court lights must be turned on

(Continued on Page 7)

China Lake, Lancaster soccer teams to clash

The first contest of the fall season for the China Lake Soccer Club's adult team will be played on Sunday, starting at 11 a.m., at Davidove Field.

The China Lakers will be opposing a team from Lancaster.

Nucleus of the local squad will be such veteran local soccer players as Karl Kauffman, Dave Bates, Klaus Schadow and Marv Goodman. Joining them, in addition to other adult soccer players, will be three Burroughs High School students who have been practicing with the adult team in preparation for the day when BHS adds soccer to its league athletic program.

The latter are Mike Oliver, Guy Kinley and Ross Miller.

Burros gridders to host Palmdale in season finale

The final "hurrah" is coming up tonight for the 1978 Burroughs High School varsity football, which is still looking for its first Golden League win of the season.

Kickoff time for the varsity contest will be at 8 p.m. at the Burroughs athletic stadium, where the Burros will be opposing Palmdale — the only league opponent they defeated last year.

The varsity clash is to be preceded at 5 p.m. by a sophomore game between Burroughs and Palmdale. Last Friday, the BHS sophs rolled up their fifth straight league win, 33-21, over the visitors from Hart High School. This clinched the league title, so tonight the sophs will be shooting for an undefeated league season by knocking off their counterparts from Palmdale.

While the sophomore squad gave last week's Homecoming game crowd the

victory it was hoping for, the varsity contest turned into another evening of frustration for the Burros, who lost 10-7 on a field goal in the final seconds of the game.

The locals took advantage of a pass interception by George Barker to move into an early lead of 7-0 over the Indians from Hart High School. Barker, a defensive back, hauled in the ball at around the Hart 30 yd. line and ran it back to the Indians 1-yd. line.

Quarterback Richie Drake rammed it over two players later; the PAT was added on a kick by Scott Cary, and with a little more than half of the first quarter played, the Burros led 7-0.

Three more good scoring opportunities were missed by the BHS varsity in the first half, and two more in the final two periods of play, before the Burros let the Indians from Hart High School off the hook after a 7-7 tie

game.

The visitors, who had capitalized on a fumble recovery by Burroughs and scored the touchdown that tied the game at 7-7 in the third quarter, pulled the game out of the fire in the final 17 sec. of play on a field goal which, (aided by the wind), traveled 43 yards — including the 10 yds. the goal posts are set back from the goal line.

The field goal kicker was Steve DeSeve, a fullback, who not only was the leading running back for the Indians, but also kicked off and booted a point-after-touchdown for Hart in this game.

Following their one and only TD of the game, the Burros looked like they might be on their way to another tally in the first quarter when a fourth down punt by the visitors gave BHS good field position on the Hart 43.

Burros Stymied by Fumble

Two plays later, Scott Cary broke loose for 17 yds, and a first down on the Hart 21. On the next play, however, the Hart Indians recovered a BHS fumble on the 17 to put the brakes on this scoring threat.

Early in the second period, Barker intercepted his second pass of the night for Burroughs, and scampered from near midfield to the Indians' 28 before he was brought down. However, another bad break in the form of a fumble by the Burros turned the ball over to the Indians on their own 23.

The visitors clicked for one first down on a pass from quarterback Joe Jennerson to Mike Coss, tight end, before they returned the favor of fumbling the ball back to the Burros at the Hart High 31 yd. line.

Fumble-itis Strikes Again

Things began to look up again for the BHS varsity — particularly when quarterback Drake weaved downfield for 20 yds. and a first down on the Hart High 10-yd. line, but fumble-itis again cropped up to plague the Burros and the Indians got the ball right back on their own 7.

The hard-hitting Burros' defense gave ground grudgingly and on a third down play in the series which began on the Hart 7 yd. line, Tom Tunget, a defensive tackle for Burroughs, came up with the ball at the Hart 11 following a fumble by the visitors.

Three running plays failed to move the ball and a touchdown by the Burros on a pass from quarterback Drake to Rob Tomaras, split end, was nullified due to a penalty for offensive pass interference. As a consequence, the BHS varsity not only had to give up the ball but also six points that, as it turned out later, would have been enough to win the ball game.

(Continued on Page 7)

Professional players to be here Saturday for soccer clinic

A free soccer clinic, conducted by two members of the Los Angeles Aztecs professional soccer team, will be held tomorrow, starting at 2 p.m., at the Burroughs High School athletic stadium.

The visiting athletes will be Scott Vorst and Bobby McAlinden, who have been invited here by the China Lake Soccer Club, the Youth Center Soccer League, and the City of Ridgecrest's Recreation Department.

Vorst is a young American player who is being highly touted as one of this country's top soccer stars of the future. A regular starter at fullback for the Aztecs, he also has represented the U.S. at various levels of international competition.

McAlinden, who is considered to be the Aztecs' most popular star because of his constant effort and breathtaking drives to the goal, joined the Los Angeles pro soccer team a few years ago.

He was sought after as a player because of his reputation for being a hard digger for the ball and a pinpoint passer.

All interested persons, and particularly players on the various youth soccer teams in the local area, are invited to attend the soccer clinic.



EX-POW SPEAKS — His feelings on "What America Means to Me" were expressed by Cdr. Rodney M. Knutson, guest speaker at the patriotic program held last Saturday morning in observance of Veterans Day. Cdr. Knutson was held for 7½ years as a prisoner of war in North Vietnam. — Photos by Ron Allen

Veterans Day program held . . .

(Continued from Page 1)

Knutson mentioned only one specific incident which occurred after he had been a POW for six months and already knew what it was like to undergo torture at the hands of those seeking military information.

In this particular instance, however, he was placed in a guarded room with a single interrogator who asked merely for a written biography about his family background and education.

"There was no one else in the room with me except that one North Vietnamese officer, so only he would know whether or not I cooperated with this request. I had a decision to make all by myself, and the way that I arrived at that decision (which was not to cooperate because of the feeling that even this information would be of some use for enemy propaganda purposes) was based on lifelong lessons learned from my parents, teachers, military instructors, and my religious faith" Cdr. Knutson told his Veterans Day audience.

Weighty Responsibility Felt

Especially at that point in time and in that place, he felt it was incumbent upon him to be the best representative of America that he could, even if it would mean further mistreatment.

During his talk, Cdr. Knutson didn't dwell on his long imprisonment, but talked instead of how wonderfully he and other prisoners of war were treated following their release and return to the U.S.

In prison it had been drummed into his head every day by his captors that he was the scum of the earth and that even his countrymen had disavowed the cause for which he had risked his life, and for which a multitude of other Americans had died.

The reception he and others received when they were once again back in the U.S. was a complete contradiction to this and he had the feeling he was being treated as a

Representative of health benefits plan to visit NWC

Dottie Nepstad, director of public relations for the Government Employees Hospital Association (GEHA) health benefits plan, will be at the Naval Weapons Center on Monday.

Ms. Nepstad has scheduled two meetings to explain her plan's benefits and to show a brief slide presentation about the plan.

The meetings, which will be held in the Sidewinder Room of the Community Center from 10:30 to 11:30 a.m., and from 1 to 2 p.m., are open to anyone (current or prospective enrollee) who is interested in learning more about GEHA.

NWC employees can obtain additional information by calling Nancy Cleland at NWC ext. 2018.

hero, he said. "The real heroes, however, are the men who didn't come home from Vietnam, and I ask everyone here today never to forget that," Cdr. Knutson emphasized.

After all of the Vietnam War POWs known at that time had been returned to the U.S., press conferences were held during which the first official word of the torture and mistreatment American servicemen had received at the hands of the North Vietnamese was released.

Cdr. Knutson was among those who told media representatives of his own experiences as a POW, only to be accused shortly afterwards of lying by spokesmen for anti-Vietnam War sympathizers.

Believes in Right of Dissent

His reaction to this, was to state that one of the very reasons that he fought in Vietnam was to insure that in America even those with whom he disagreed most violently still would have the freedom to express their views in public.

Cdr. Knutson was introduced by Lois Galvin, chairman of the Veterans Coordinating Council, as was Capt. W. B. Haff, Deputy Laboratory Director, who attended the Veterans Day program as the representative of Rear Admiral William L. Harris, NWC Commander.

Others from NWC who participated in this patriotic program, which was concluded by the playing of "Taps" and a volley of rifle fire, were Chaplain R. C. Wallace, who delivered the invocation and benediction; and the NWC Sidewinder color guard and drill team, led by ABH1 James Hughes.



COLOR GUARD OPENS PROGRAM — Last Saturday's Veterans Day program opened with a presentation of the colors by members of the NWC Sidewinder drill team. Navy men who formed the color guard were AMH2 Rico Ward, AZ3 James Isler, ATAN Thomas Holman and ADAN Steve Burnett.

Fr. John Madden assumes duties of All Faith Chapel Catholic chaplain

Duties of Catholic chaplain at the Naval Weapons Center's All Faith Chapel have been taken over by Lt. John Madden, a native of County Galway in Ireland, who joined the Navy Chaplain Corps 2½ years ago.

Fr. Madden was assigned here following a year at Camp Pendleton (near Oceanside, Calif.) where he served as chaplain with the 1st Battalion of the 5th Marine Division.

His first duty as a Navy chaplain also was with a Marine Corps unit — the 2nd Battalion of the 4th Marine Regiment, 3rd Marine Division — on the Island of Okinawa.

During this year-long tour assignment Fr. Madden served five months on board the USS New Orleans, a helicopter carrier which was part of an amphibious squadron of four ships that made up a combat ready force in the Orient.

Foreign Ports Visited

During its deployment, the squadron visited the Philippines, Taiwan, Hong Kong and Singapore.

Fr. Madden, whose parents, a brother and two sisters still live in County Galway, Ireland, studied for the priesthood at St. Patrick's College in Carlow, Ireland.

Following his graduation in 1970, he volunteered to work in this country in the State of Georgia because of a shortage of priests in that area.

His first parish in Albany, Ga., was a dramatic change in both climate and culture from his homeland in Ireland, but it was there that he first became interested in

Technical Director Awards presented. . .

(Continued from Page 1)

impact of the CCD application to missile seeker technology, the dedication of these two individuals has now provided the opportunity to determine that impact.

"These efforts are reminiscent of the early days of NOTS and are believed worthy of reward," Porter concluded.

Wenzl, who has a bachelor's degree in electrical engineering and a master's degree in engineering (specializing in control systems), has been employed at China Lake for the past 16 years.

His introduction to work here was on the G-2 range, where he was involved for two years in the assembly, check-out and testing of weapons systems.

Moving from the G-2 range into Michelson Laboratory, he spent the next 10 years working primarily in the areas of missile guidance and control as an employee of the old Test Department and the former Systems Development Department — both forerunners of the present Weapons Department.



Lt. John Madden, ChC

joining in the Navy — due principally to his contact with Navy families from the nearby Naval Air Station in Albany.

Before joining the Navy, however, he had to become a U.S. citizen, which he did in May 1976, and the following month he received his commission as ensign at the Glenview Naval Air Station in Chicago, Ill.

Fr. Madden then attended the Navy Chaplain School at Newport, R.I., for seven weeks prior to beginning his initial assignment as a Navy chaplain with the Marine Corps on Okinawa.

His management ability was recognized by his selection to serve for nearly eight months as an acting branch head before he became a permanent branch head three years ago.

NOTS and NWC have been Teate's only place of employment since he was graduated from high school in Vero Beach, Fla., and came here to enter the apprentice training program in 1962.

Completed Apprentice Program

He successfully completed the apprentice program as a journeyman electronics mechanic and also received an Associate of Arts degree from Bakersfield College in 1966. After a year spent as a journeyman, he became a full-fledged electronics mechanic.

Like Wenzl, he worked in the old Test Department, the former Systems Development Department, and is currently a Weapons Department employee.

A little less than a year ago, Teate received a Superior Performance Award for his contribution to the vertical launch anti-submarine rocket program. Prior to that he was involved in the Agile program, on some portions of the Sidewinder program, and on various other weapons projects and programs too numerous to mention during his 16 years at China Lake.

More recently, Teate did some of the design work on the CCD and aided in organizing and directing the "crash" effort that went into bringing it to its present status.

Talk scheduled on experience gained as Congressional Fellow

Jerry L. Reed, associate head of the Range Department, will be the featured speaker at a meeting of the East Kern Chapter of the American Society for Public Administration (ASPA) on Monday evening at 7 at the new Ridgecrest library building.

Reed, who spent last year in Washington as a Congressional Fellow, will discuss his experiences there. This is not the same presentation that has been made for various departments and divisions on the Center, according to Reed.

The ASPA meeting and talk are open to the public.

Results of Incentive Awards Program reported

Results of the Naval Weapons Center's Incentive Awards Program for the period from Oct. 1, 1977, through Sept. 30, 1978, were made available recently by the NWC Personnel Department.

The various categories of awards covered in this report are Beneficial Suggestions, inventions, Superior Achievements (mostly group awards), Sustained Superior Performance and Outstanding Performance Awards.

A total of 135 Beneficial Suggestions were submitted, of which 37 were adopted that resulted in estimated tangible savings of \$29,379 during the first year of their use.

Beneficial Suggestions

TECHNICAL INFORMATION — Barbara A. Neal and Venita A. Wright.

SAFETY AND SECURITY — Robert F. Carter and Michael L. Smith.

SUPPLY — Barbara J. Adams, Billy L. Almond, Lawrence T. Cram, Lawrence R. Mason, Esther H. Rountree, and Phillip D. Wuest.

PUBLIC WORKS — Fred Anderson, Robert D. Douglas, Lloyd M. Moses, George Perrine, Roger E. Turcotte, Jerry L. Morrison, Claude D. Robbs, Richard D. Alfond, and Donal L. Reid.

ORDNANCE SYSTEMS — Michael P. Thorpe.

FUZE AND SENSORS — James H. Bennison.

ENGINEERING — Craig L. Slump.

WEAPONS — John D. Creelich and Carole A. Poppen.

Superior Achievements

INVENTIONS — Robert T. Ferguson,

Keith L. Gardner, William H. Hickie, Dale R. Lowe, Warren K. Smith, Charles E. Woods, John W. Holtrop, Steven E. Ayler, Bruce Bartels, Clarence D. Banks, Paul B. Homer, Prescott D. Croul, Lloyd J. Holt, Everett M. Bens, Clayton E. Panikau, Gary L. Peterson, Larry L. Liedtke, Anthony San Miguel, and James L. Rieger.

ORDNANCE SYSTEMS — Edward E. Hartley, Robert G. Holly, Michael J. Knight, Soliman Martin, Wilma E. Mayfield, Richard S. Nordell, Raymond M. Page, Robert N. Tremonte, David W. Carpenter, Ralph E. Bernard, Alfred O. Smith, John R. Cooper, Francis B. Fisher, Edward P. Donoghue, Philip R. Gill, Robert A. Gould, Duane W. Goff, William L. Black, Cleighton D. Sheinart, Michael E. Clark, Arthur A. Castillo, Gary J. Beyer, Michael P. Thorpe, Patrick K. McMurphy, James A. McGilly, Gary R. Burgher, Paul G. Fry, Robert G. LaCombe, Mont J. Stevens, William Sutherland, and Darrell W. Walker.

FUZE AND SENSORS — James G. Janson, and Rex L. Smith.

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CSC reports on benefits of awards program

Measurable benefits from employee suggestions and special achievements hit \$319 million in Fiscal Year 1977, according to data released by the Civil Service Commission. The total equals the average taxes of over 172,000 Americans.

This was the sixth time that measurable benefits from the Incentive Awards Program surpassed \$300 million for a single year.

More than 200,000 suggestions were submitted in FY 77, and better than one out of four was adopted. Average benefits from each suggestion were \$3,000, while the average award was over \$100.

In addition, nearly 150,000 special achievement awards were granted during the year. On average, each special achievement produced \$1,000 in measurable benefits, and earned the employee an award of over \$200.

Center employees received \$2,360 for their Beneficial Suggestions.

In the field of inventions, a total of 132 patents were granted during the past fiscal year to employees whose ingenuity netted them \$33,550 in awards, while \$34,340 was divided among the 77 recipients of Superior Achievement Awards.

Additionally, 217 employees who were presented Sustained Superior Performance Awards pocketed \$92,240 for their exceptional efforts.

The various awards presented, and the names of the recipients (by department) are as follows:

TECHNICAL INFORMATION — Russell F. Bushnell, Gerald T. Boylan, Eloy J. Dominguez, Theodoros J. Horn, Robert S. McRoberts, Clifford S. Newton, Clyde E. Parker, Richard L. Zurn, Thomas L. Carter, Randall C. Eady, Melvin F. Foster, Clarence B. Stringham.

SUPPLY — Catherine L. Chipp, Lois R. Herrington, Martin L. Busskohl, Michael M. Chitwood, and Daniel J. Foster.

PUBLIC WORKS — Carl C. Halsey, Ann E. Hughes, Franklin W. Oschman, Catherine Bell, Paul O. Erickson, George L. Bird, Bernard R. Bell, Robert C. Bell, Robert Dominguez, Gary D. Erthal, Carl D. Johnson, John B. King, David W. Larson, Alford D. Lewis, Ernest D. Loscar, Steve D. Madsen, Harold E. Van Dyke, Nolan R. Clawson, Ellen D. Cott, Carl A. Porter, Jr., Clinton E. Reed, William H. Thorpe, Bobby R. Brown, Russell J. Wise, Charles R. Rodgers, and Ronald R. Clodi.

SYSTEMS DEVELOPMENT — Betsy E. Eggleston, Charles Hill, Bruce T. Lucas, Edward B. Niccum, and Leroy C. Ogan.

ORDNANCE SYSTEMS — Robert B. Dillingier, Raymond W. Feist, Eli E. Harrison, Ray A. Miller, Clarence J. Renne, Harold L. Bennett, Howard W. Gerrish, Jr., Will Carey, Jr., Victor F. Castaneda, James R. Clark, Jr., Alfred E. Crawford, Ray G. Ellington, Michael W. Gallagher, Mikal O. Gray, Lawrence E. Hartley, Robert G. Holly, Michael J. Knight, Soliman Martin, Wilma E. Mayfield, Richard S. Nordell, Raymond M. Page, Robert N. Tremonte, David W. Carpenter, Ralph E. Bernard, Alfred O. Smith, John R. Cooper, Francis B. Fisher, Edward P. Donoghue, Philip R. Gill, Robert A. Gould, Duane W. Goff, William L. Black, Cleighton D. Sheinart, Michael E. Clark, Arthur A. Castillo, Gary J. Beyer, Michael P. Thorpe, Patrick K. McMurphy, James A. McGilly, Gary R. Burgher, Paul G. Fry, Robert G. LaCombe, Mont J. Stevens, William Sutherland, and Darrell W. Walker.

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Civil Service Commission releases Summer Employment Exam information

Information regarding the annual Summer Employment Examination has been released by the Civil Service Commission.

All applicants must be U.S. citizens, and the minimum age requirement is 18. This age requirement is waived, however, for high school graduates who are at least 16 years old.

The application procedures vary, depending upon the type of summer position being sought.

In the case of those interested in Group I (clerk-typist, clerk-steno and clerical positions GS-1 through 4), they have from now until Jan. 12, 1979, to apply for a written test that will be administered in January and February by the Civil Service Commission.

Group I applicants who pass the written test and meet all requirements for the types of jobs offered, also should file the following forms between March 15 and April 16, 1979, with each agency where they wish to be considered for summer employment:

(1) A photocopy of their notice of results from the 1979 summer written test. Do not send the original copy of this notice.

(2) The application for Federal Summer Employment (OPM Form 843A). This form is sent to those who receive a notice of eligibility based on written test results, along with a copy of SF-171 (Personal Qualifications Statement).

(3) A copy of SF-15, along with a photocopy of appropriate proof, if 10 point veteran's preference is being claimed.

Applicants who passed the summer test in 1978 are not required to retake the test in 1979. These eligibles will be contacted by the Civil Service Commission to determine their interest in and availability for jobs in Group I in 1979.

Eligibles who are available will be issued a new notice of written test results to be used in applying for Group I jobs. However, if an individual files a copy of his/her 1978 notice of results for a summer job in 1979, this notice will be accepted.

There also is a re-employment provision. Under it an agency may continue to re-employ previous summer employees who were appointed on the basis of the summer written test administered after 1975. Re-employment applicants may file a SF-171, (Personal Qualifications Statement) and, if appropriate, a CSC Form 1170/17 (formerly CSC 226). These applications should be filed by April 16, 1979.

Applicants for subprofessional or non-clerical positions, GS-1 through GS-4 (Group II) are not required to pass the summer employment written exam. Instead they should file a Personal Qualifications Statement (SF-171), and a list of college courses and certificate of scholastic achievement (Form 1170/17, formerly CSC Form 226).

On this latter form should be listed all undergraduate courses which the summer

employment applicants will have completed by the end of the current school year, and the number of hours of credit they expect to earn. If appropriate, a 10 point veterans' preference claim (SF-15) also should be filed.

All of the above information from prospective summer employees in Group II must be postmarked no later than April 16, 1979. Sons and daughters of Navy employees will not be considered for Group II positions until all "outside" applicants have been placed.

To apply for Group III (professional, technical or administrative positions GS-5 and above) prospective summer employees should file a Personal Qualifications Statement (SF-171), the list of college courses and certificates of scholastic achievement (CSC Form 1170/17), and a copy of SF-15 if they rate the 10 point veterans' preference.

Sons and daughters of Navy employees are not eligible for Group III summer positions at Navy activities. Applications received after April 16, 1979, will not be accepted.

Some Jobs for Needy Youth

In the case of summer employment for needy youth (Group V), applicants must be between 16 and 21 years of age, and will be screened to insure that they meet the required income criteria.

Applicants for Group V jobs must submit a Personal Qualifications Statement (SF-171) and a summer aid program questionnaire. All such applications must be received by May 1, 1979.

All of the above applications and forms can be obtained from the receptionist in the lobby of the Personnel Building on the Naval Weapons Center, or from the nearest Civil Service Commission Job Information Center.

Applicants filing for summer positions at NWC should mail applications to: Summer Program Coordinator (Code 092), Naval Weapons Center, China Lake, CA 93555.

Additional information or clarification can be obtained by contacting Sue Prasolowicz, the summer program coordinator, phone (714) 939-2657.

Talk on 'Microprocessor Software Design' slated

R. D. Pogge will speak on "Microprocessor Software Design" at the regular monthly meeting of the Institute of Electrical and Electronics Engineers (IEEE) to be held Monday from 11:30 a.m. until 12:30 in the Chart Room of the Commissioned Officers' Mess.

Pogge will discuss how easily circuit designers can become software designers. He has been active in analog, digital, and software design since coming to NWC in June of 1971, and is currently involved in circuit and software design for the Phoenix fuze.

Tickets on sale for Thanksgiving Day dinner at Enlisted Dining Hall

Ticket sales began Wednesday for a lavish Thanksgiving Day dinner to be served at the Enlisted Dining Hall next Thursday continuously between 3 and 5:30 p.m.

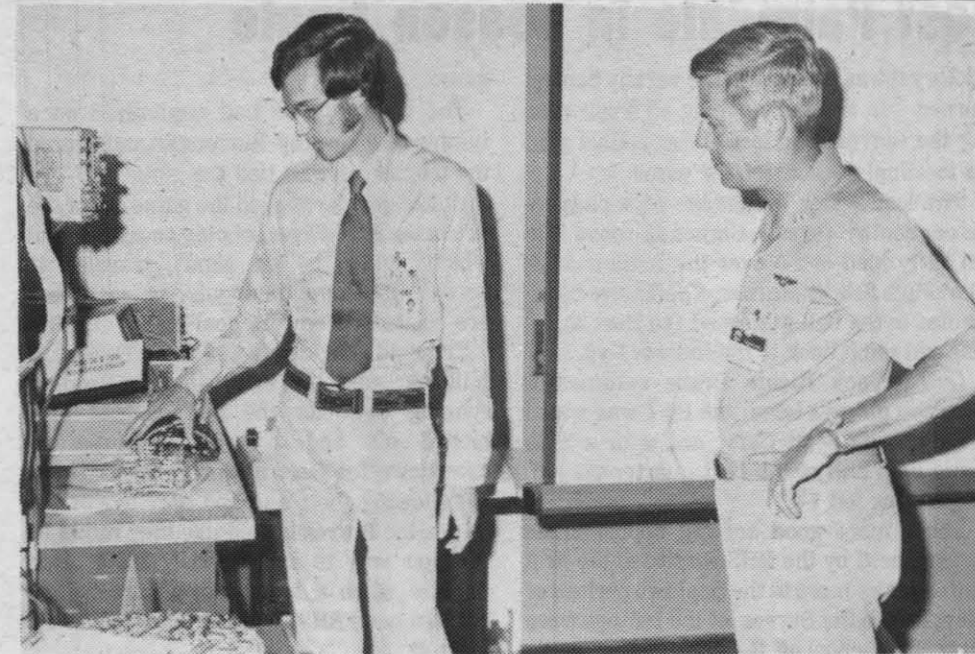
Civilians who live on the Center may join military personnel and their dependents for the holiday treat. A total of 300 tickets will be sold. Enlisted personnel who normally eat at the dining hall will not need tickets or reservations.

A full course dinner featuring roast turkey, steamboat round roast of beef, or glazed Hawaiian ham with Haitian sauce will be preceded by turkey noodle soup, shrimp cocktail, or chilled tomato juice.

The traditional holiday meal also includes savory bread dressing, turkey giblet gravy or natural gravy, duchess potatoes, candied sweet potatoes, rice pilaf, green beans with mushrooms, and corn O'Brien. A salad bar features a choice of salads. Dessert will include Thanksgiving frosted cake, pumpkin pie with topping, fruitcake, and holiday nuts and candies.

Tickets are priced at \$1.90 for active duty enlisted military personnel on COMRATS; \$2.90 for military officers, civilians, dependents and guests. Children under 12 years of age will be charged \$1.55.

Tickets may be purchased at the Food Service Office in Bldg. 851 today, Monday, and Tuesday between the hours of 9 a.m. and 3 p.m. Anyone seeking further information may telephone NWC ext. 3831 or 2755.



PHOENIX FUZE PROGRAM REVIEWED — Larry Morrison, a design engineer in the Fuze and Sensors Department's Phoenix Fuze Systems Branch, discusses an improved target detecting device for the AIM-54C Phoenix missile with Rear Admiral J. B. Wilkinson, Jr., who was here for a recent three-day visit. RAdm. Wilkinson is the NAVAIRSYSCOM Deputy Commander for Missiles, Helicopters and Other Systems. He was briefed on many of NWC's current weapons systems projects and had the opportunity to look over the laboratories and ranges where this work is carried out. As a memento of his visit to China Lake, RAdm. Wilkinson received an NWC plaque that was presented to him by Rear Admiral William L. Harris, NWC Commander.

'Project 2000' — guideline for future . . .

(Continued from Page 1)

first establish through market research what its potential future product areas and lines are likely to be.

"Then," says Bowen, "when these requirements are defined, we can conduct an analysis of the resources necessary to support those expected requirements. Also, we must carefully examine the product areas and lines so that the resource requirements can be properly prioritized in order to make maximum use of available dollars."

"NWC's resource requirements must be focused on the needs of our customer," continued Bowen. "Marketing, unlike selling, which is based on the needs of the seller, is based on the idea of satisfying the needs of the customer by means of a superior product or service. And NWC has a lot to offer its customer, whether that customer is the Navy, Army, or Air Force. It's NWC's job to find out what has to be done, in what way, and at what cost."

Something Like Jigsaw Puzzle

Bowen compares the work done so far on Project 2000 to starting a jigsaw puzzle, where the pieces of the puzzle are being turned over so that they are right side up.

So far, the Project 2000 Office has obtained comprehensive inventory data on NWC facilities and research equipment; started programming that facilities data for computer evaluation; consulted with several industrial firms on their long-range planning methods; fielded questions from NWC department personnel and subsequently interfaced with top management on the more controversial issues; received concurrence of Project 2000 during a briefing to Rear Admiral C. P. Ekas, Jr., Deputy Chief of Naval Material for Acquisition (MAT-08) and Dr. J. H. Probus, Director of Naval Laboratories; requested data on departments' predicted facilities