

Tickets on sale for April 7 appearance here by Ray Charles

Tickets are now on sale for the April 7 appearance of singer Ray Charles and his 30-person revue at the Center theater, sponsored by the Special Services Division of Code 08.

Priced at \$4 per person, tickets are available at the Community Center, the Commissioned Officers' Mess and the Chief Petty Officers' and Enlisted Clubs. Performances are scheduled both at 6:30 and 9 p.m.

Called "the only genius in our business" by Frank Sinatra, Charles has been touching people with his soulful style for over 25 years. His hit singles include such classics as "Georgia on My Mind," "Ruby," "Hit the Road, Jack," "Lucky Old Sun" and "Born to Lose."

Charles explains his singing style by saying, "I try to bring out my soul so people can understand what I am. I want people to feel my soul. . . Soul is when you can take a song and make it part of you—a part that's so true, so real, that people think it must have happened to you. . . Soul is like electricity, like a spirit, a drive, a power."

Despite losing his sight in early childhood, Charles taught himself to play and write for every brass and wind instrument in an orchestra. On the evening of April 7, he will be accompanied by a 17-piece orchestra and an all-girl quartet.

Varied music, dance program set at NWC theater March 19

Ticket sales were started this week for a program of contemporary music and dance, blended with traditional Indian, Polynesian, Latin and Mexican numbers that will be presented on the evening of Saturday, March 19, at the Naval Weapons Center theater.

This special event, arranged by the Church of Jesus Christ of Latter Day Saints in Ridgecrest, features Indian, Latin, and Mexican-American students from Brigham Young University in a program entitled the "Lamanite Generation."

Talented performers from among the more than 600 Indian students at BYU who represent over 60 tribes will be participants in this 2-hour show that has been seen by national and international television audiences, and enjoyed in person by theatergoers in Mexico, Central and South America, as well as in various parts of the U.S.

Tickets priced at \$7 for all members of a single family, \$2.50 for adults, or \$1.50 for enlisted military personnel and young people 18 years of age and under, can be obtained at the Station Pharmacy or in Ridgecrest at the Medical Arts Pharmacy or the Bird Oldsmobile-Cadillac agency.

Reception slated for photographer; work on display at college

Local camera enthusiasts will have an opportunity this evening to meet Mark Citret, a photographer whose work will be on display for the remainder of this month at the Cerro Coso College's art gallery.

A reception for Citret is slated tonight at 6:30 at the college's second-floor art gallery, and Citret will be conducting a day-long lecture and demonstration tomorrow in the Keeler area, just east of Owens Lake.

The field trip is open free of charge. Persons interested in joining are invited to provide their own transportation, a sack lunch and water, and meet at the college's city center (735 W. Ridgecrest Blvd.) at 8 a.m. equipped with a camera, and dressed for changing weather conditions.

Citret, a free-lance photographer from San Francisco, studied under and assisted Ansel Adams, who has been acclaimed as the "photographer's photographer," because of his excellent outdoor photo work.



WOULDN'T MISS IT—That's the view of SN Nancy Cook (at left), of NWC, and YSA Robin Niell, of VX-5, two of the early buyers of tickets to the Ray Charles musical revue that will be presented on April 7 at the Center theater. The ticket seller is Art Amos, manager of the Community Center, where tickets to the program are available. They also can be obtained at the Commissioned Officers' Mess, the Chief Petty Officers' Club and the Enlisted Club. —Photo by Ron Allen

Oscar Wilde's 'Importance of Being Earnest' to open at college March 11

The cast has been selected and rehearsals are under way for "The Importance of Being Earnest," Cerro Coso Community College's drama production of Oscar Wilde's popular drawing room comedy which will be performed on Friday and Saturday, March 11 and 12, and the following weekend, March 18 and 19.

Curtain time at the college lecture hall for each performance is 8:15 p.m. Tickets, priced at \$2.50 for the general public and \$1.25 for senior citizens and holders of student body cards, are available at the college business office, the Gift Mart in Ridgecrest and the Station Pharmacy at China Lake. They will also be on sale at the box office on the night of each performance.

Wilde once said that he had put his genius into his life but only his talent into his art. But his life was a classical tragedy. He was convicted on morals charges and spent two years in prison during the late 1890s—a period which saw his "Earnest" both open to sensational notices at the St. James Theatre in London and close down in ignominy as the scandalous escapades of its author became publicized.

Following his release from prison, Wilde's health failed and he died in poverty and without friends—a fine reward for the author of the most popular comedy of the 19th century. Wilde subtitled this, his last play, "a trivial comedy for serious people." Literate and polished, "Earnest" satirizes the absurdities of Victorian English society through unbelievable characters, flippant dialogue and a good deal of nonsense.

Jude Gibault is cast in the lead role of Lady Bracknell, a dowager whose black hole gravity and unctuous moral tone would have given Queen Victoria pause. Co-star John Clark, in the role of Jack, is not above playing a good joke on the Lady Bracknells and Miss Prisms of this world who enjoy their social position a bit too much. He is

Home-sewn fashions to highlight WACOM event

A Sew Your Own fashion show will highlight this month's luncheon of the Women's Auxiliary of the Commissioned Officers' Mess on Tuesday.

WACOM members will be showing clothing for men, women and children that they have created themselves. Handmade crafts such as macrame, knitting and crocheting will also be on display.

Following cocktails beginning at 11 a.m., lunch will be served at 11:45 a.m. The fashion show will begin at 12:30 p.m.

Members who wish to participate in the show are asked to contact Judy Crosskno no later than Monday by calling 446-3996. All those who attend the luncheon are urged to wear something they have sewn themselves.

ably supported in his antics by Curtis Barker, cast in the role of Algy. Miss Prism, the governess, is played by Rebecca Conner.

Laurie King portrays Gwendolyn, who possesses as much self-esteem and drive as her dear mama, Lady Bracknell, and considerably more self-awareness. Donna Lee Savage, as sweet Cecily, demonstrates the versatile schizophrenia expected of young Victorian ladies—that of a pink-cheeked Hollyhock Girl, and the sharp number she actually is.

Rounding out the cast of players are Jack O'Guin, as the Rev. Canon Chasuble; Dennis Woolam, playing Merriman, the butler; and Randy Hensley, who has the role of Lane, the manservant.

Director of the play is Florence Green, who heads the college's drama department.

Honor band festival slated tomorrow at BHS lecture center

The Sierra Sands Unified School District will host this year's Desert Area Honor Band festival sponsored by the Desert Music Educators Association. This event, featuring both the Desert Area Junior High School Honor Band and the Desert Area High School Band, will take place tomorrow evening, beginning at 7, in the Burroughs High School lecture center.

A donation of \$1 will be accepted at the door, proceeds of which will be used to buy new music for future honor bands.

Schools participating in the junior high school honor band are Forbes Junior High, Edwards; Gephart Junior High, Boron; Hamilton Junior High, Rosamond; Joshua Junior High, Mojave; Murray Junior High, China Lake, and James Monroe Junior High, Ridgecrest.

Guest conductor Clinton Sawin from Paramount High School in Paramount, Calif., will lead the honor band in a program including "Festivo" by Vaclav Nehybel, "Prelude and March" by Ray Luke, selections from "The Music Man" arranged by Philip Lang, and "A Handel Festival" arranged by John Cacavas.

The senior high school honor band will feature students from Boron High School, Edwards' Desert High School, Mojave High School, Palmdale High School, Rosamond High School, Quartz Hill High School, and Burroughs High School.

The program, which includes "Festive Overture" by Alfred Reed, "Prelude and Fugue" by Vaclav Nelhybel, "First Suite in E Flat for Military Band" by Gustav Holst, and "The Pride of the Wolverines" by John Philip Sousa, will be conducted by Larry Curtis from California State University at Long Beach.

SHOWBOAT

MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED
General Audiences

(PG) - ALL AGES ADMITTED
Parental Guidance Suggested

(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Program subject to change without notice—please check marquee.

FRI. 4 MARCH

"A MATTER OF TIME" (99 Min.)

Liza Minnelli, Ingrid Bergman
(Drama) This film is a modern-day fairytale about a chambermaid (Minnelli) in a Cinderella-like transition from room service to riches. She arrives at a once-regal-now-fading hotel and meets an ex-Congress (Bergman) who has slipped into madness and poverty. Obsessed with her beauty, the Congress begins to shape Minnelli into a fantasy reflection of her own former glory. As the chambermaid becomes immersed in her fantasies, true life opportunity knocks in the form of a screenwriter living at the hotel who arranges a screen test for the ambitious girl. When the Congress dies after a freak auto accident, Minnelli suddenly blooms and becomes a successful movie star. (PG)

SAT. 5 MARCH

"SHADOW OF THE HAWK" (92 Min.)

Marilyn Hassett, Jan Michael Vincent
(Drama) This film is a tale of witchcraft and black magic. An Indian woman who was sentenced to death by her tribe returns from the grave to take revenge on the relatives of the Indian chief (Hawk) who sent her to her death. Hawk is the only one who can rid his people of the vengeful woman. The chief's grandson lives in the big city and knows little of tribal folklore. But he is convinced by the old man that it is his duty to return to Indian country, learn the ways of combating the evil people, and save his own people. The young man returns and rids his tribe of the curse. (PG)

MON. 7 MARCH

"GIVE 'EM HELL, HARRY" (105 Min.)

James Whitmore
(Historical Drama) This film captures the highlights of the presidential years of Harry S. Truman, tracing the many achievements and some of the lesser accomplishments.

WED. 9 MARCH

"HAWMPS" (113 Min.)

Chris Connelly, James Hampton
(Comedy) This film is about pre-Civil War experiments conducted by the Army to determine the feasibility of replacing U.S. Cavalry horses with camels. James Hampton, an Army lieutenant, is assigned to train camels for use in the Texas desert. This movie is based on fact. (G)

FRI. 11 MARCH

"BURNT OFFERINGS" (116 Min.)

Karen Black, Bette Davis
(Drama) Karen Black persuades husband Oliver Reed to rent an old mansion for the summer. They move in with their 12-year-old son and elderly aunt (Bette Davis). The only provision to their renting the mansion is that Black prepare meals for the mother of the former owner—even though the old woman has never been seen. The house casts a spell on Black's family.

Enlisted Club dances set

Soul Exterminators, a soul band from Hollywood, will be playing for Enlisted Club dances tonight and tomorrow night from 9 until 2 a.m.

Dinner special for tonight is shrimp and fried rice, while that for Saturday night will be prime rib—both served from 6 until 8:30.

St. Patrick's Family Night is planned on Thursday, March 17. Irish prime rib, served from 6 until 8, will be followed by a magic show featuring Piet Paulo, a magician from Las Vegas.

Cost of the evening is \$6.25 for adults and \$3 for children 12 years of age and under.

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To: _____

PLACE STAMP HERE



Naval Weapons Center
China Lake
California

March 4, 1977

Vol. XXXII, No. 9

Seabees will lend hand on work at NWC

Throughout the coming week, the Naval Weapons Center again will have the benefit of assistance from active duty Seabees in carrying out additional Self-Help project work.

Scheduled to arrive here Sunday from the U.S. Naval Construction Battalion Center at Port Hueneme are 100 members of Mobile Construction Battalion Three's Air Detachment.

From Monday through Friday, one group of Seabees from NMCB-3's Air Detachment will endeavor to put the finishing touches on the solar heating system at the Naval Air Facility swimming pool.

Part of Heating System
Plans call for pouring approximately 100 yds. of concrete for the 80 by 100 ft. slab that will cover a network of insulated water lines and is an integral part of the swimming pool's solar heating system.

The 4-in. thick concrete slab, which is to be black in color to help retain heat, will have inserts for posts for a single basketball court or for two volleyball courts, Senior Chief W. T. Cava, Self-Help Project Officer, stated.

The Seabees from Port Hueneme also are scheduled to excavate and level the ground in an area between the Center gymnasium and handball court in preparation for the construction of a new 20 by 80 ft. exercise room, and will erect lean-to shelters over two soft drink vending machines at the Bachelor Enlisted Quarters.

Windmill To Be Re-built
Another of the Self-Help project tasks to be undertaken is the rebuilding of an old windmill on the Mojave B south range in order to pump water for use by the wildlife inhabitants of that part of the local desert area.

On Saturday, March 12, the advance party of NMCB-3 personnel will be joined by 350 more members of their battalion for a desert training exercise in the Pilot Knob area, between the town of Red Mountain and Barstow.

Accompanied by Marines from Port Hueneme, the Seabees will carry out simulated combat conditions that will in-

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Change to CIVPAY to go into effect here on March 28

CIVPAY? Is this another medical phenomenon?

No, it's not a medical term, but it may generate fever symptoms for more than a few Centerites—and it's coming this spring.

The changeover to CIVPAY (Standardized Civilian Payroll System) will take place at the Naval Weapons Center starting with the pay period that is to begin on March 28.

Everything in the NWC payroll system (except paychecks which will continue to be on time, but may have errors until the entire system is debugged) will experience a slowdown for a few months thereafter.

For a "clinical" diagnosis of the symptoms of CIVPAY, and hints on how to survive the Centerwide "1977 Financial Spring Fever," watch for more details that will be printed in the next issue of **THE ROCKETEER**.

Many Naval Weapons Center departments involved in major Fleet support activities

By Elizabeth Babcock
What is Fleet support? It's a vital work area at NWC that has as many definitions as there are people involved in it. Some idea of the wide range of activities in support of the Fleet may be inferred from the fact that major Fleet support activities are going on in nearly all of the Center's departments.

The Fleet Support Office, headed by Dr. Roger Fisher, has cognizance of these efforts and acts as a focal point for all matters that interface directly with the Fleet.

"The term Fleet support means many things to people," said Maggie Pladson, head of the Engineering Department's Fleet Engineering Division. "Defined

broadly, of course, everything we do at NWC is in support of the Fleet."

In a generally accepted working definition, Fleet support activities here are performed in two broad categories. First is operational support, direct involvement and assistance in actual Fleet operations. It includes tactical development and evaluation exercise support, Fleet technology liaison and the Navy Science Assistance Program.

Bob Young of the Fleet Support Office administers most of this effort. Science Advisors, Laboratory Representatives, and project personnel are provided around the world to solve Fleet operational problems through this program.

NWC Has Good Reputation

It is in the second category, in-service engineering, that personnel of the Fleet Engineering Division are most heavily involved. "This is the hardware end of Fleet Support," Cliff Anderson, associate head of the Fleet Engineering Division said. "Historically the Center has had a good name for providing this service. It has been heavily involved in engineering support from the time NOTS was first commissioned."

"Everybody on this Center should be Fleet-minded—should be concerned with the ultimate user," Anderson said.

"By no means does this division or this department lay claim to all of the Center's engineering Fleet support," he added, "but we do serve as a good representation of the work being done in this area."

Communication Vital

The Fleet Engineering Division strives for cradle-to-grave participation in the design and maintenance of weapon systems with which the Engineering Department is involved. Communication is a very important part of this division's work—feedback loops must be kept open, both with the design community and with each system's ultimate users in the Fleet. "The most important part of our work is remaining aware of the Fleet environment and needs," Anderson stressed. "Rapid response to Fleet problems is the name of the game."

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REACHING OUT TO THE FLEET—An aviation ordnance man (left) assigned to maintenance of the USS Kennedy's air-launched missiles listens as Ken Ayers, an employee of NWC's Fleet Operations Branch, indicates points of special importance on a Sidewinder missile mounted on an F-14 aircraft. Ayers and Tom Flynn, also of the Fleet Operations Branch, recently made a trip to the Mediterranean Sea as part of a continuing effort to stay in touch with the Fleet environment in which NWC systems must operate.

College officials review plans for solar energy technicians' training

Officials of a community college in Texas and another in Florida met earlier this week with their counterparts at Cerro Coso Community College to review plans for a proposed two-year course of study for the training of solar energy technicians.

A \$1.5 million grant is being sought by Cerro Coso College, Navarro College of Corsicana, Tex., and Brevard College of Cocoa, Fla., from the National Science Foundation to develop the teaching curriculum.

The college officials expressed optimism about the prospects for the funding of this new course. If approved, the three institutions will develop the curriculum, which will then be tested, then packaged and made available to all other colleges in the nation.

The visiting group was composed of Dr. Kenneth P. Walker, president, and Paul Green, director of planning, from Navarro College; and Dr. Maxwell C. King and Dr. Robert L. Breuder, president and director of special projects, respectively, of Brevard College.

The four visitors met with Dr. Richard S. Meyers, president, and Dr. Richard A. Dodge, dean of instruction, of Cerro Coso Community College. Also in on the discussion was James A. Sirman, associate dean of instruction for occupational education at the local college.

During their stay here, a visit to the Naval Weapons Center was arranged for a conference which provided the college officials the opportunity to hear comments on solar

energy research and development from the Center's experts in this field.

The group discussed alternate energy sources with Dr. Guy W. Leonard, head of the NWC Engineering Department, who was honored recently for his role as the

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HELPFUL DEMONSTRATION—Procedures for checking the roller on cager assembly on the Sidewinder missile are demonstrated by Ken Ayers to a member of the USS Roosevelt's air-launched missiles crew. Frequent visits by Code 366 personnel to the Fleet help keep important communication channels open for rapid response to Fleet engineering problems.

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SEABEE SPIRIT — Exemplifying the Seabees' famed "can do" spirit, this memorial was constructed in Washington, D.C., in 1974, thanks in part to funds raised for this purpose at China Lake. Seabees here are now soliciting donations to benefit a nationally-established memorial scholarship fund designed to provide financial educational assistance to the children of personnel who have served in the Naval Construction Force. The fund drive will continue through Saturday, March 12, the date of this year's Seabee Ball, which will get under way at the Chief Petty Officers' Club at 6:30 p.m. Persons wishing to make a donation may contact Cy Ebersberger by calling 446-5866 after working hours.

Girl Scout Week observance begins Sun.

The annual observance of Girl Scout Week will begin throughout the nation on Sunday and continue through Saturday, March 12. Locally, the nearly 300 young girls and women who are involved in the Yucca (China Lake) and Tamarack (Ridgecrest) Neighborhoods of the Twin Valley District (Indian Wells and Searles Valleys) will begin the week-long celebration by attending the church of their choice dressed in their Brownie or Girl Scout uniforms. Saturday, March 12, will be the 65th birthday of the Girl Scout movement, which was started on that date in 1912 by Juliette Low in Atlanta, Ga. The Girl Scout program offers a wide variety of activities for girls from the first through twelfth grades. There are Brownie Troops for youngsters in 1st through 3rd grades, and Junior, Cadette and Senior Troops for girls in the 4th through 6th, 7th through 9th, and 10th through 12th grades, respectively. Mrs. Lucille Peterson is the Yucca Neighborhood chairman, while Mrs. Linda Wilkerson has the same responsibility for the Tamarack Neighborhood. They report that during the coming week, Girl Scouts will be distributing the cookies for which orders were taken in January. In addition, preliminary planning is under way for holding a campout during the latter part of April and for setting up a day camp this summer, Mrs. Peterson said.

Purim celebration set by NWC Jewish congregation

This year's observance of Purim by the Naval Weapons Center Jewish Congregation will begin tonight in the east wing of the All Faith Chapel at 7:30 when student rabbi Sol Goodman reads the story of the traditional spring holiday from the Book of Esther. Members of the Hevra Gimmel Class, under the direction of Lynn Kushner, will provide the after-service repast tonight. They have made their own hamantashen and will play host to the congregation. At 10 a.m. on Saturday, a Purim carnival will be held in the chapel's east wing. There will be prizes for games, and awards for the most original costume, the best Esther and best Haman. (Purim marks the liberation of the Persian Jews from the evil plots of Haman, the king's chief magistrate.) All children are welcome for a donation of 25 cents. Tomorrow evening at 8, the chapel's east wing will be the setting for a Purim Costume Gala, written and produced by Rose Varga. The cast will include student rabbi Goodman, Davisia (Doris) McInvene, Martin Leon, Emily Bogal, Peggy Busch, Laurie Tichenor, and the comedy team of Mrs. Varga and Charlotte Braitman. Refreshments to be served at intermission will consist of hamantashen, baked by the IWV Jewish Women's Club, and kreplach made by Mrs. Varga.

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. 2069. 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.

Supervisory Travel Assistant, GS-2132-4/7, PD No. 7708020, Code 0846 — This position is that of head, Travel and Transportation Branch, Accounting and Disbursing Division, Office of Finance and Management. The purpose of this position is to manage the official passenger traffic for this activity, to provide technical assistance as required to the Center in travel and transportation matters, to provide staff assistance to the division head and department head and to the Command on travel matters, and to direct and be responsible for the operation of the Travel Branch. Job Relevant Criteria: Knowledge of appropriate guides such as Joint Travel Regulations, NAVCOMPT manual, GSA and contract rental vehicle regulations; ability to train others; and ability to deal effectively with people.

Fiscal Accounting Clerk, GS-501-3/4, PD No. 758055N, Code 0845 — This position is located in the Fiscal Section, Accounting and Disbursing Division, Office of Finance and Management. The incumbent is responsible for maintenance of ledgers and preparation of numerous financial reports; preparation of all checks paid by the disbursing office; the audit of military payroll checks and money lists; and preparation of vouchers required for each civilian payroll. Job Relevant Criteria: Knowledge of regulations governing the preparation and distribution of U.S. Treasury checks; ability to prepare and maintain financial records accurately and neatly; ability to use equipment such as keypunch and calculator; and ability to deal effectively with people.

Secretary, GS-318-4/5, PD No. 7417027, Code 081 — This position is located in the Weapons Systems Cost Analysis Division, Office of Finance and Management. The incumbent provides the necessary secretarial services required for the efficient operation of the division. Incumbent is responsible for keeping the division head's calendar and scheduling appointments, for screening incoming correspondence, for setting up and maintaining files, and acting as secret document control point for the division. Job Relevant Criteria: Ability to work rapidly and accurately; telephone answering skills; ability to type efficiently and accurately, and receptionist abilities.

Supervisory Clerk (DMT), GS-316-4, PD No. 7580559, Code 0823 — This position is located in Word Processing Branch 1 of the Office of Finance and Management. The incumbent is responsible for technical and administrative supervision of personnel in the branch. This includes writing position descriptions, selecting and training personnel, evaluating employees work, recommending promotions and awards, resolving grievances and taking disciplinary actions. The incumbent plans, organizes and directs the operation of the branch; evaluates the function of the equipment and techniques; and maintains and submits records and reports. Job Relevant Criteria: Must have extensive knowledge in use and operation of magnetic media and dictating and transcribing equipment; must have thorough knowledge of NWC correspondence procedures, policies and instructions; must be able to communicate and deal effectively with all levels of NWC employees; must have ability to supervise. Previous applicants need not reapply.

File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2676.

Motor Vehicle Operator, WG-5703-4/7, JD No. 146-2/ JD No. 145-1, Code 25921 — This position is temporary NTE 1 year with the possibility of leading to a permanent position. The position is located in the Receiving Branch of the Supply Department. Incumbent will ordinarily drive straight-in-line trucks over 22,000 lb. GVW on a specific trip basis or on a regularly established schedule. Incumbent loads and unloads materials, makes vehicle operational inspection, etc. Job Element Standards: Ability to drive safely, knowledge of the operation and maintenance of motor vehicles, ability to perform the work practices related to the operation of the appropriate vehicle, reliability and dependability as a motor vehicle operator; ability to operate motor vehicles without more than normal supervision.

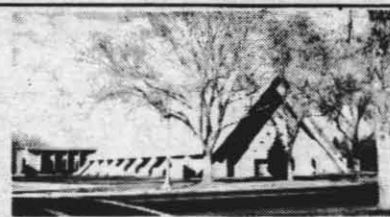
Explosives Test Operator, WG-4517-10, JD No. 541N, Code 32501 — This position is located in the Electro-mechanical Division, Fuze Department. The incumbent performs a variety of tests on ammunition and explosive components, loads or removes explosive components for ammunition intended for flight or shipboard tests, prepares test set-up and acts as firing officer during test, makes or modifies test fixtures as required, withdraws from inventory and prepares for shipment various explosives and explosive components, maintains accurate records of explosive components and accurate records of explosive materials in magazines. Job Element Standards: Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly and installation involved in thermal hazard testing, motor static firings, and strand burning rate test and explosive propellant processing operations; ability to use instruments such as viscometers, micrometers, gauges, etc.; knowledge of explosive material; ability to interpret instructions and specifications; knowledge of safety procedures and regulations.

Mail and File Clerk, GS-363-3/4, PD No. 7235841, 7425988, Code 2513 — This position is located in the Administrative Division, Supply Department. Incumbent types letters, route sheets, memoranda, dispatches, stubs for material needed in the branch, department code directory, lists of publications, etc.; maintains files for the department; keeps tickler file on various delegation of authority letters and delegation of authority cards on Supply Department personnel; follows up on route sheets and routes message traffic; makes changes in manuals maintained for department use, and maintains Xerox machine. Job Relevant Criteria: Ability to exercise tact, diplomacy and discretion in meeting and dealing with a large number of contacts daily; reliability and dependability; ability to work rapidly and accurately. Must be a qualified typist. Promotion potential to GS-5.

File applications for the above with Terry Rowell, Bldg. 34, Rm. 210, Ph. 2371.

Clerk-Typist, GS-222-4/4, PD No. 7735017N, Code 3505 — This is an intermittent position. It is located in the Shrike Program Office, Electronic Warfare Department. The incumbent provides typing support for the office by preparing all types of correspondence and documents. A

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DIVINE SERVICES

PROTESTANT 1015 Sunday Worship Service 0900 Sunday School — All Ages 1130 Wednesday Noon Bible Study 1130 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.

ROMAN CATHOLIC MASS 1700 fulfills Sunday obligation Saturday 0700 830 1130 Daily except Saturday, 1135, Blessed Sacrament Chapel

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

RELIGIOUS EDUCATION CLASSES 1015 Sunday Pre-school thru 6th grades 1530 Wednesday Kindergarten thru sixth Seventh & eighth (Junior High) 1900 Above classes are held in Chapel Annexes across from the former Center Restaurant. Ninth thru 12th grades As announced

"In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EAST WING — ALL FAITH CHAPEL Sabbath Services every Friday 1930

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

RECENT ARRIVAL — Lt. Dave Park, a native of Metropolis, Ill., recently arrived at China Lake to assume the duties of the legal, assistant administrative and public affair officers, and first lieutenant for Air Test and Evaluation Squadron Five. Just prior to reporting aboard the Naval Weapons Center, he served as assistant operations officer with the VA-97 Warhawks, deployed on the USS Enterprise. A 1969 graduate of Louisiana State University with a B.S. degree in agricultural economics, Lt. Park received his commission that same year through the Aviation Reserve Officer Candidate Program. He and his wife, Rita, live in Navy housing.

Burros baseball....

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nelius with a single and a double. In game, No. 2, the Drillers outthit the Burros 10-6 and took advantage of five errors on the part of the locals to win, 6-2. The Bakersfield nine had a 6-0 lead as the result of single runs scored in the first and fifth innings and two each in the second and third frames before the locals got on the scoreboard with a lone tally in the last half of the fifth and another in the bottom of the seventh.

Frank Mayer tallied both runs for Burroughs. In the fifth inning, he drew a walk, advanced to second on a sacrifice, and then scored on an infield hit by Radcliff when the Bakersfield shortstop overthrew first base.

A similar situation occurred in the bottom of the seventh. This time, however, Mayer singled, advanced to second on a pass ball, and scored on a bad throw to first base following a ground ball hit by Radcliff.

In the Drillers' half of the third inning, Greg Diaz hit a 2-bagger that drove in Sheats and then scored from second on a single by Don Smith. In the fourth frame, the Bakersfield team parlayed two singles and four errors into another pair of runs.

Leading hitters for the visitors in the second game of the double header were Diaz, Sheats and Edan Alvarado, who had two hits apiece, and Doug Porter with three.

Space Mud cagers maintain perfect record

The only undefeated team in the Intramural Basketball League kept its unblemished record intact last week, when, on Tuesday, Feb. 22, Space Mud left the Speedsters in the starting blocks, overwhelming them by a final score of 60-34. Dan Long led the victors with 17 points, while John Lewis had 15 for the Speedsters. Space Mud held a 32-17 halftime advantage, and the game was never really close after that.

In a second "B" Division game that evening, Loewen's No. 2 plucked the Gamecocks, 75-25, thanks to the efforts of five players who tallied 10 points apiece. They were Tom and Randy Mather, John Martin, Greg Bishop and Dennis Henden. Chris Wilson had 11 points for the Gamecocks.

The Naval Weapons Center hoopsters, in the final game of the night, got back on the winning track by defeating Kern River Tours by a score of 50-35. Kelvin McSwain put in 12 points for NWC, while Jim Tyrell scored the same number for the losers. Leading off the action on Wednesday night, Feb. 23, Homestead and Loewen's No. 2 locked up in a very tight "B" division affair which the latter won, 36-32. Neither team's top scorer hit double figures, as Ray Ames had 7 points for Homestead and Randy Mather scored 8 for the winners.

Another "B" Division game that night saw the Net Knockers down the Muthas by a final tally of 36-29. Although the Muthas led at the intermission, 15-12, the Net Knockers turned the tables in the second half behind the 18 point performance of Dave Crandell. Frank James had 8 points for the losers.

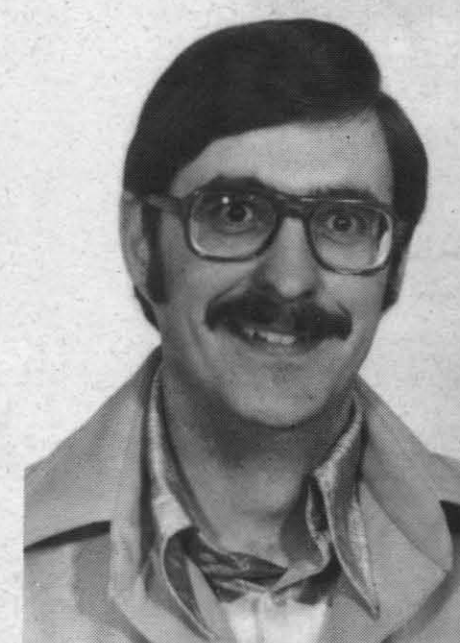
In the final game of the night, the Royals turned back the Outcasts, 25-21. The first half of play decided the game's final outcome, since the Royals held a 9-5 advantage at the intermission, and each team scored 16 points after the contest resumed. Dick Rivers and Tim Martin hit 6 points apiece for the Outcasts, while the victorious Royals were led by the 8 point efforts of John Pederia and Harry McCoy.

The Space Mud cagers scored their second win of the week to lead things off on Thursday, Feb. 24, as they sullied the Net Knockers, 39-30. Thanks to Al Sorenson's 12-point effort, the Mud led 26-19 at the half, and never looked back thereafter. Dave Crandell looped in 10 points for the losers.

Sport fishing regs

California sport fishing regulations booklets for 1977 are now available at most places where licenses are sold, the Department of Fish and Game advised anglers recently.

Employee in the spotlight



Joe Hibbs

When Joe Hibbs, an engineering technician in Code 3351, visited The ROCKETEER recently for this interview, he noted that he would soon be entering his fifth year of employment at the Naval Weapons Center, and added, "Time sure goes fast when you're having fun. I enjoy every bit of what I'm doing, and I can't wait to get to work in the morning."

It's pretty obvious that Joe has the ability to enjoy just about anything he does, and that one of the keys to his success is his pleasure in helping people.

Joe, who has been with the Project Engineering Fleet Support Branch of the Fuze Department for about 2½ years, is designing a remote arming / firing device for the Seasprow which is called the Mark 290 Mod O. At the present time, missiles are armed by hand, but this device would have the capability of being armed in an area other than that from which it is being launched — an important safety advantage.

Although Joe was born in Clearwater, Fla., he moved to China Lake in 1947 with his parents when he was just a few months old. His father — also Joe — is now retired from his job as a branch head in the former Aviation Ordnance Department on the Center.

Our Employee in the Spotlight graduated from Burroughs High School in 1965, and, after surviving a serious explosion in a

summer school chemistry class, received his A.A. degree in pre-engineering at Bakersfield College in 1967. That same year, he began working in Ridgecrest for Genge, Inc. (forrunner of Comarco, Inc.) as a trainee draftsman, and eventually became a senior draftsman.

By 1972, however, Joe figured that he had gone about as far as he could with that firm, and, hoping to better his career opportunities, signed on with the Naval Weapons Center's Propulsion Development Department, where he did mechanical and electrical design work in the Agile missile program office. "That was a great job," recalls Joe, "because there was no idle time and we had to get things done on schedule. I learned many new design techniques, and

NWC employee, aerobatics hobbyist, builds special biplane in spare time

A Naval Weapons Center employee who "just got tired of going from here to there" in aircraft is building a biplane to further indulge his taste for aerobatics.

That man is Bill Hickie, who works as a mechanical engineer in the Aircraft Armament Division of the Systems Development Department. Off-duty, he spends his free time now in building a Pitts Special biplane from a kit. When complete, this one seater, powered by a 200 h.p. Lycoming engine, will have a 17 ft. wingspan and an over-all length of 15 ft. Hickie has been a licensed pilot for 12 years and an aerobatics enthusiast for the last two. He owns a Champion Citabria, kept in a hangar at the Inyokern Airport, in which he performs a number of maneuvers: loops, rolls, Immelman turns (a half loop, then half roll), Cuban eights (similar to two

got to see the three-dimensional hardware, rather than just the drawings which I had worked with in the past."

Another of Joe's major sources of satisfaction is his work as a reserve officer for the Ridgecrest Police Department. He entered this volunteer program about three years ago after taking a 110 hour training course in Mojave and Bakersfield. Joe, who has spent about \$500 of his own money on his uniform and necessary equipment, last year averaged about 45 hours of duty per month, most of it logged on Friday nights.

"This has been interesting work," says Joe, "because I get to see how the system works from beginning to end. You don't understand the difficulties of a cop's job until you team up with one of them on patrol. I enjoy helping the police do their work."

Reserve Policeman of Year Joe says he was "deeply honored" when, last month, he was named Ridgecrest's Reserve Policeman of the Year for 1976, and adds that his volunteer efforts in this area are made possible "by the patience and understanding of my family." His wife, Regina, is a secretary in the Code 32 department office. They have three children, "all born in December": Penny, 8, Mandi, 4 and Joey II, 1.

Joe has another hobby which doesn't take him much farther from home than his police work, but in a different direction. Teaming up with fellow NWC employee Dave Riggs and a Cessna 150, Joe "enjoys the heck" out of riding as the passenger during aerobatics maneuvers, although he admits he was a little scared in the beginning.

"Stunt flying is a whole new world," enthuses Joe, "and it sure is fun."

consecutive Immelmans), hammerhead turns (straight up until the plane almost stops, then a sharp turn and dive) and snap rolls. All this he does right near the airport.

His heart set on the Pitts Special because it's the plane which the top aerobatics performers use, Hickie says this aircraft will do much better at this tricky sort of business than the Citabria because it is smaller, has a lot of power for its size and has ailerons on both the top and bottom wings. The airfoil sections of the wings are symmetrical, so that the plane will perform beautifully upside down as well as right side up.

One other advantage which the biplane should give him, says Hickie, is a monetary one, because he should have to carry less life insurance with it.

Now about 50 per cent complete, the aircraft, Hickie estimates, should be finished by the end of this coming summer. He's been assembling it for the last three months in part at the clubhouse of the Experimental Aircraft Association (EAA) at China Lake.

Hickie, who is a member of the EAA, owns three other flying aircraft, the oldest two of which qualify him as an antique collector. They are a 1929 Curtiss Robin, a high-wing monoplane; a powerful 1936 four-seater Cessna, and a 12-year-old CA-65 low-wing monoplane which he built himself. All are kept at the Inyokern airport.

For six years, until 1975, Hickie was the crew chief on a Grumman Bearcat, a World War II Navy aircraft that had been restored and modified for racing in the Mojave and Reno areas. It was piloted by Cdr. Lyle Shelton (USNR) and also stored in a hangar at the Inyokern airport.

Hickie allows that he wears a parachute but has never used one, and has no interest in skydiving because "I don't think I'd like the landing."

Interested persons are invited to drop by the clubhouse of the Experimental Aircraft Association, 411 McIntire St., during the group's 7:30 p.m. meetings on the first Thursday of every month.



PROJECT HALF COMPLETED — Bill Hickie is shown fitting the ailerons to the lower wings of his half-built Pitts Special biplane. This aircraft has special characteristics that make it especially suitable for the aerobatics maneuvers which its owner enjoys performing in the skies around Inyokern.

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China Lake, All-Army cagers put on show at Center gym

The All-Army cagers lived up to their reputation for strength and accurate shooting last weekend as they scored decisive victories against two local Intramural League teams at the Center gymnasium.

Last Saturday night, the visitors took on the "A" Division NWC team in a game which was very fast-paced because it was played under international rules. The NWC hoopsters couldn't handle the height and quickness the Army team showed, and scored only 11 points in the first half of play. At the end of the first 20-min. period, the score was turned back to 0-0 and the second period was started.

The game's leading scorer was NWC's own Lance Goolsby, who put 22 points through the hoop. Pacing the All-Army squad were Harold Lewis, Eddie Brown and Robert Sherwin, with 20, 15 and 14 points, respectively.

On Sunday afternoon, the visitors faced a composite intramural squad consisting of players from "A" and "B" Division teams and Cerro Coso Community College. These hoopsters were Daryl Moline and Cash Cowles (representing NAF); Gary Ziegler (Loewen's No. 1); Al Sorenson and Rich Lasell (Space Mud); and Glen Polk, Charles Ray and Hose Wesley (Cerro Coso).

In this contest, the China Lakers did a better job of holding their own against the strong Army team, and were down just 66-36 by intermission. Leading the locals' attack were Moline, with 18 points, and Ray, Wesley and Cowles, who tallied 10 points apiece.

High point man for the game was the Army's Jyrona Raiston, with 30, while his teammates Sherwin and Lewis scored 18 and 14 points, respectively.

The sharpshooting soldiers left here Sunday to play in the upcoming U.S. All-Service Tournament that is to be held at Ft. Benning, Ga.

Premier League title all but clinched by Saddleback Sales

The Saddleback Sales keggers have all but put a lock on first place in the Premier Bowling League, following Monday night's competition at Hall Memorial Lanes.

The league leaders posted a 3-game sweep over the third place Raytheon Sidewinders to fatten their won-loss record to 53 and 16. In second place, four games off the pace, is the Hideaway squad, which has won 49 and lost 20, while the Sidewinders are a distant third (45-24).

The Hideaway team also rang up a 3-game sweep at the expense of the cellar-dwelling Credit Union bowlers and, in so doing, posted the night's high team series (2,959) and high team game (1,021).

A new Premier League record for this season was set Monday night by Thad Brightwell, who rolled a 3-game series of 708. Others who topped the 600 series mark, and their scores, were:

Ron Hill (639), Chuck Rouland (627), Doug Fisher (626), Ken Bumpass (620), Dick Furstenberg (613), Ed Donohue (612), Aaron Kane (610), and Jack Herbstreit (603).

In the individual game category, Premier League bowlers who equalled or topped 220 were: Kane (288), Fisher (277), Brightwell (263, 225 and 220), George Barker (238), Furstenberg (237), Rouland (227 and 225), Warren Turnbaugh (224), Donohue and John Ito (220).

Current standings in the Premier League are:

Team	Won	Lost
Saddleback Sales	53	16
Hideaway	49	20
Raytheon Sidewinders	45	24
NAF Hawks	37	32
Pollock Construction	35	34
Hi-Desert	34	35
King Max	29	40
Fisher Plastering	23	46
Eik's Lodge	20	49
Credit Union	20	49



SOARING SHOT—Brett Fisher, of the Naval Weapons Center, shoots high over the outstretched arm of Leann Pierce, an All-Army cager, during the contest between the two teams last Saturday night at the Center gymnasium. Looking on are (l.-r.) All Army's Alfred Forney, Charles Burgess of NWC, Jyrona Raiston (No. 5) and Eddie Brown of All-Army, and NWC's Kelvin McSwain. —Photo by Sam Wyatt

Burros split non-league twin bill to start 1977 varsity baseball season

In non-league competition that marked the start of the 1977 varsity baseball season, the Burroughs High School nine broke even—winning the first game and dropping the second—in a double-header played at home last Saturday against the Bakersfield High School Drillers.

The Burros knocked off the Drillers 4-2 in the top half of the two-game match, but then came out on the short end of a 6-2 final tally in the second game. Errors were a factor in deciding both contests. The Drillers committed five miscues in the first game, but in the second contest it was the Burros' turn to boot the ball around and they also were charged with five errors.

A lead-off double by Casey Cornelius of Burroughs in the bottom of the second inning set the stage for the first run of the opening game. Bob Peter, catcher, came to bat with one out and tapped a single into left field that enabled Cornelius to score.

Visitors Tie Score
The visitors tied the score at 1-1 in the fourth inning, only to run afoul of the error bug in the last half of the fifth frame when they gave up three runs.

Randy Radcliff started things off for Burroughs in the fifth with a single, and then stole second base. Brian Carle, pitcher for the locals, was safe on an error that enabled Radcliff to score, giving the Burros a 2-1 lead.

Before the dust had settled at the end of the fifth frame, the locals tallied two more runs. Ralph Mattis laid down a bunt and joined Carle on the base paths as he was safe at first on an error. Bud Harbin, the next batter for Burroughs, flied out to center enabling Carle to score (when the outfielder overthrew third base). Mattis, who had moved to second on the play, then tallied on a hit by Cornelius.

The Drillers, trailing 4-1, got their only other run of the game in the sixth inning on two hits and an error. Dave Sheats, who was safe at first on an infield single, moved to second on a bad throw to first base. Greg

Local bowman places 5th

Sybold Loth, a member of the China Lake Bowmen, won a fifth place ribbon at the Frontier Days Archery Tournament which was held recently in El Monte.

Loth, who competed in the men's amateur division, was required to shoot at 42 targets at distances from 7 1/2 to 80 yds. More than 400 persons competed in the tournament.

Diaz followed with another infield single that moved Sheats to third.

Diaz was then tagged out running between first and second, but at the same time Sheats was able to score from third base to give Bakersfield its second and final run of the game.

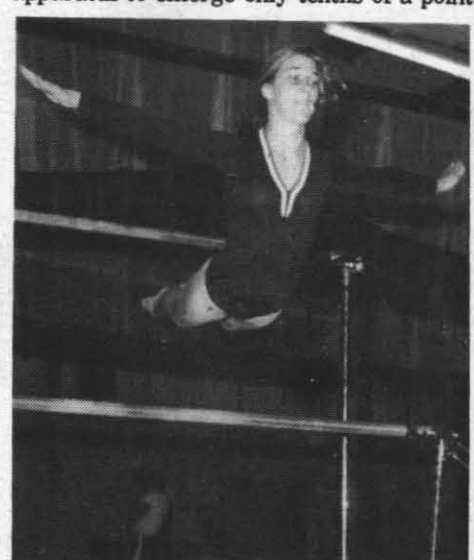
Coach Ed Schwartz was pleased with the opening game performances of Carle, the winning pitcher for Burroughs, who struck out 8, walked 1 and gave up 2 runs (1 unearned). Peter did a good job behind the plate as catcher for the Burros and also collected a timely hit which drove in one run. The team's leading hitter was Cor-

(Continued on Page 7)

Patty Parks places 7th in state gym meet

A seventh place finish all-around in the Senior Division was gained by Patty Parks, a member of Ridgecrest's High Desert Gymnastics Team, at the Class II southern California state gymnastics meet held in Redlands last Saturday and Sunday.

Holding her own against stiff competition to gain a 66.90 all-around, the 16-year-old old gymnast turned in good routines on all apparatus to emerge only tenths of a point



SPECTACULAR ROUTINE—Making a flying dismount from the uneven parallel bars, Patty Parks displays the exceptional form that gained her a score of 9.0 on her compulsory bar routine and a standing of seventh among the 32 top Southern California Class II Senior Division gymnasts who competed in Redlands this past weekend. —Photo by Ron Allen



Doug's Corner NWC volleyballers to begin MDISL play on Saturday

The Naval Weapons Center's volleyball team will compete in the next round of Mojave Desert Inter-Service League competition tomorrow and Sunday at the Marine Corps Logistic Support Base, Pacific, in Barstow.

The volleyball tournament — the second MDISL event of the 1977 season — will get under way at 11 a.m. at the base gym. The NWC team, coached by Jerry Kissick, will include Jim Bevan, Bob Smith, Dwayne Vogt, Tim Higgins, Russ Bates and Bob Berry.

Soccer Match Set
Members of the senior team of the China Lake Soccer Club will tangle with their counterparts from Edwards Air Force Base at 11 a.m. tomorrow at Davidove Field.

Three weeks ago, Edwards inflicted a 5-2 defeat on the locals, who are anxious to repay the favor. Soccer enthusiasts say this should be a good game to watch, and the public is invited.

Discussions have been initiated with other soccer groups in the upper desert area for the purpose of investigating the possibility of forming a soccer league. The local club is still seeking new members, and anyone interested in joining should attend workouts at 5 p.m. on Tuesdays or Fridays at Davidove Field.

Belly Dance to Fitness
Signups are still being accepted for the eight-week-long belly dancing class which will begin at the Center gymnasium on Tuesday.

The class, taught by Carol Piri, will meet from 9 to 10 a.m. on Tuesdays and Thursdays. Total cost for the course is \$15.

(Continued on Page 7)

Consolidation of some, disestablishment of other Navy activities announced by SecNav

Secretary of the Navy W. Graham Claytor, Jr., last week announced a series of management actions involving the disestablishment and consolidation of certain Navy installations and activities. The actions will result in an annual savings of about \$5 million.

The Naval Electronic Systems Engineering Centers in Washington, D.C., and New Orleans, La., will be closed in March and April 1977, respectively. The responsibility for performing their functions will go to other existing centers.

The Fleet Operational Control Center, U.S. Pacific Fleet, Kunia, Oahu, Hawaiian Islands, also will be disestablished.

A new Naval Aviation Logistics Center will be established at Patuxent River, Md., to be fully operational on Oct. 1, 1977. It will consolidate the Naval Air Integrated Support Center, Patuxent River, Md.; the NAVAIRSYSCOM representative, Atlantic, Norfolk, Va.; and the NAVAIRSYSCOM representative, Pacific, San Diego, Ca., and

assume some management functions of the Headquarters Naval Air Systems Command, Washington, D.C.

The Naval Electronics Laboratory Center and the Naval Undersea Center, both located at Pt. Loma in San Diego, will be consolidated in the new Naval Ocean Systems Center to be established in San Diego.

The mission of the Naval Air Engineering Center, Lakehurst, N.J., will be modified to incorporate the functions of the Naval Air Test Facility, Lakehurst, and the Naval Air Station, Lakehurst, into one consolidated activity.

Final implementation of the plan to disestablish 45 Naval reserve centers and facilities announced last March will proceed as planned.

These management actions will improve overall Fleet readiness through reductions in overhead and support costs. A number of these realignments are the result of a year long review of proposals made last March.

Solar energy technician course...

(Continued from Page 1)
creator and driving force behind the Navy's Total Energy Community Program. The ultimate objective of this effort is to develop techniques and procedures by which communities will be able to eliminate or radically reduce their dependence on outside energy sources through the use of solar, wind and geothermal energy, as well as the use of waste material to produce gasoline.

In addition to their meeting with Dr. Leonard, the college official looked around the Research Department facilities in Michelson Laboratory and toured the Earth and Planetary Sciences Building.

In their meetings at Cerro Coso, the team of college officials agreed a major drawback to the utilization of solar energy is the lack of trained technicians to build, install and maintain the systems. Impact on the employment scene is bright in the emerging solar energy industry. Research indicates, it was noted, that new solar businesses offering everything from swimming pool heaters to solar water heating systems are finding a market for their "energy saving devices."

Purpose of the meeting by this team of college officials was to evaluate administrative and teaching expertise in

order to determine which three of twelve anticipated solar energy courses to be included in the total program can be assigned to the Cerro Coso College for development.

The Cerro Coso site was assessed principally to determine its potential contribution to the overall solar energy program. Students selected to participate in the initial training test cycle would spend a full two years at the local community college.

EEO Human Relations Workshop to be held
Enrollment applications are now being accepted for an EEO Human Relations Workshop to be held March 23 and 24 from 7:45 a.m. to 4 p.m. in the Training Center.

Formerly called UPWARD Seminars, these workshops deal with questions of racial attitudes and prejudices. The seminar features films and small group interactions to encourage discussion.

Two trained racial awareness facilitators will conduct this education program for all civilian and military personnel. The course is limited to 20 participants.

Employees interested in attending this course must submit an enrollment form via proper department channels in time for it to reach Code 094 no later than March 14.



SPECIAL TRAINING PROVIDED—Bill Stoffers (at left), from the Mining Enforcement and Safety Administration headquarters in Boulder City, Nev., was here recently to train members of the Indian Wells Valley Search and Rescue Team in the use of the MCAA self-contained breathing apparatus.

Special training received by 14 IWV Search, Rescue Team members

Special instruction in mine rescue procedures and techniques was provided recently for 14 members of the Indian Wells Valley Search and Rescue Team.

As a result of three days of both classroom and field instruction on the use of safety devices and emergency procedures,

Registration of mobile CB radio equipment required

Enforcement of the Naval Weapons Center Instruction (No. 2374.1) regarding registration of mobile citizen's band and amateur radio transmitting equipment brought on Center will begin on Monday.

The Center instruction directs that all vehicles that come aboard with CB or amateur radio transmitting equipment must have a valid Center operating permit and decal issued by the Communications Office. NWC personnel and dependents entering the Center after Monday who have such radio equipment in their vehicle without a permit and decal will be stopped and be required to remove or disconnect such equipment before entry will be permitted.

Operation of amateur or CB transmitting equipment in areas of the Center other than the housing area is strictly prohibited.

Casual and official visitors with radio equipment in their vehicles will be asked to sign a statement indicating that they will not transmit while on Center.

Contractors or other users of FCC licensed transmitters (other than amateur or CB) must obtain prior approval from the Frequency Management Office, Code 6201, for the operation of such equipment on the Center.

Meetings slated on conflict of interest, standards of conduct

Two meetings on the subject of conflict of interest and standards of conduct for Civil Service employees and military personnel will be held next Tuesday in Conference Rm. 1000D, Michelson Laboratory.

The briefings, both identical in content, are scheduled at 2 and 3:15 p.m. and will be conducted by Cdr. Marvin Cowell, Staff Judge Advocate, and John Ford, NWC's legal counsel. Time will be allotted at each session for answers to questions from the audience.

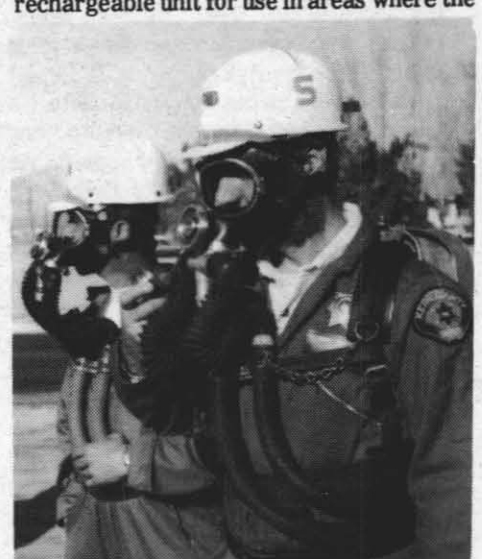
Attendance is highly recommended for military personnel of the rank of commander and above, for civilian personnel GS-13 and above, and for others who are directly responsible for procurement actions.

The meetings also are open to all interested Center personnel.

the IWV Search and Rescue Team is now recognized by the Mining Enforcement and Safety Administration (MESA) as a qualified mine rescue team.

Bill Stoffers came here from MESA headquarters in Boulder City, Nev., to teach the local search and rescue team members how to use equipment that can measure the amount of oxygen, carbon monoxide and nitrogen oxide in the air, as well as determine the presence of methane. Primary emphasis of the course was on the use of the MCAA self-contained breathing apparatus.

The MCAA is a 40 lb. recirculating, rechargeable unit for use in areas where the



BREATHING GEAR TESTED—Vern Fava and Dick Walters, two members of the IWV Search and Rescue Team, try out the MCAA self-contained breathing apparatus before venturing into a smoke-filled room to check on its effectiveness. —Photos by Sam Wyatt

air is unsafe to breathe. It is the primary piece of equipment utilized in several types of mine rescue operations.

The MCAA has an oxygen capacity for two hours of use during strenuous activity, or several hours' use under relaxed conditions.

Following classroom familiarization and checkout with the MCAA unit, the IWV Search and Rescue team members engaged in more than an hour of strenuous activity while wearing the safety devices in preparation for a final test during which a smoke bomb was actuated in an enclosed room.

Without any difficulty, the volunteers of the search and rescue team found they could get along quite well in the smoke-filled room — thanks to the effectiveness of the self-contained breathing apparatus they were wearing.

The trainees were Sam Wyatt, captain of the IWV Search and Rescue Team, Fred Camphausen, Bob Wilhelm, Charlie Rodgers, Vern Fava, Ron Smith, Steve Freeman, Larry Siers, Gary Ahr, Alan Fry and Jim Matson, all Naval Weapons Center employees, and Joe Getusky, Dick Walters and Gary Worden.



COLLEGE OFFICIALS WELCOMED—As a memento of their visit to the Naval Weapons Center on Tuesday, NWC paperweights were presented by Rear Admiral R. G. Freeman, NWC Commander, to Dr. Maxwell King (at right) and Dr. Kenneth Walker. The latter is president of Navarro College in Corsicana, Tex., while Dr. King holds a similar position at Brevard Community College in Cocoa Beach, Fla. They were in the local area to discuss plans with officials of Cerro Coso Community College for a proposed two-year course of study for the training of solar energy technicians. —Photo by Ron Allen



ADVICE ON WEAPON TEST AND REPAIR — Tom Flynn (right) performs an important aspect of the Fleet Engineering Division's work as he advises ordnance personnel at the Naval Weapons Station, Concord, Calif., on test and repair of Fleet-returned Shrike missiles.

Many involved in Fleet support activities...

(Continued from Page 1)

Within the Fleet Engineering Division, the Engineering Support Branch (Code 3662) under the leadership of Tom Hampton, provides design support in the areas of guided missiles components and conventional ordnance. The other three branches meet different portions of the complex Fleet support requirements of a number of weapons, with feedback constantly flowing among the Integrated Logistics Support Branch (Code 3664), headed by Gene Scheer; the Fleet Requirements Branch (Code 3661), headed by Ed Donohue; and the Fleet Operations Branch (Code 3663), headed by Wayne Zellmer.

Maintenance Plans Drawn Up

"When a new system has been conceived, we get involved as soon as possible to determine what the most effective possible equipment and hardware support system would be," Scheer said. "Through analyses of repair and life cycle cost, we come up with a maintenance concept and a plan to implement this concept."

Anderson pointed out the importance of designing the right support system along with the prime hardware of a new weapon. "It's much more economical to get supportability into the hardware before the weapon gets to the Fleet than it is to jury rig the support system later. Far more money is spent supporting a weapon than is ever spent developing it," he said.

"We especially stress study of maintainability and testability of the prime hardware," Scheer added. "These elements are important to achieving maximum availability at the lowest possible cost."

Other Personnel Brought In

Once Code 3664 has made detailed plans for weapon support system requirements, the branch looks to experts in other parts of the division to implement the plans. At this point, the Fleet Requirements Branch, Code 3661, gets into the act. "Working with the program office, we expand the integrated logistics support plan," Donohue explained. "We identify the individual or activity that will perform elements of the plan and we also provide information to project people on changes occurring in the Fleet that should be considered during the weapon and support system design."

Code 3661 acts as a clearinghouse for Fleet support problems associated with weapon systems both before the initial operating capability phase and after Fleet introduction. "We act as a point of contact for getting problems resolved," Donohue said. "Although we aren't experts in any one aspect of engineering support, we know the people who are. We can determine what is needed to correct a problem and then turn to the experts for a design solution."

Among the problems the branch looks at

are those involving ship installations, launchers, and "yellow gear" (weapon handling equipment, such as trucks and fork-lifts). "We have people in the branch looking at the weapon / ship interface early in a program and providing information on problems that will probably arise because of such factors as size or special handling requirements," Donohue said. "We advise both the program offices and the Naval Air Systems Command of our findings."

Involved in Problem-Solving
Code 3663, the Fleet Operations Branch, is also involved in this problem-solving in support of the Fleet. "Code 3663 is a quick-reaction organization," Zellmer said. "The people in this branch have a lot of military experience in the ordnance area — they know the Navy's system, ship protocol, and the requirements of each weapon system."

"One of the ways we find out how well NWC designs work is by going out in the Fleet and observing actual operations," Zellmer said. "We provide on-site training and assist in solving problems the Fleet has encountered." The branch is also involved in predeployment weapons systems reviews (PWSRs), both directly on Shrike and Sidewinder, and indirectly, through the Pacific Missile Test Center, on Phoenix, Sparrow, and Walleye.

"In general, a PWSR is performed to determine if the ship is going to be able to handle effectively the aircraft weapon systems it has," Zellmer said. "We find out if the crew has the equipment, spare parts, publications, and facilities it needs, and if the people are trained."

Predeployment Review

During a PWSR, Code 3663 personnel check publications, watch weapon assembly and handling, check storage areas, and, when necessary, give on-site training. Through these and other visits to the Fleet and its training activities, the branch keeps an important problem-solving communication channel open.

These Engineering Department personnel also provide the Fleet with needed parts on an emergency basis until they can be obtained through normal supply channels. "Since most members of the branch have had extensive experience with the systems they monitor in the Fleet, they have an excellent understanding of the need for emergency assistance," Zellmer said.

Also helping with the military viewpoint is Cdr. Ray Schoonover, who is the Ordnance Systems Support Officer in the Engineering Department. He personifies an NWC tradition; during the past 15 years of service to the Fleet, the department has had a military man assigned to it for advice and assistance in Fleet support matters.

The division gets another realistic view of Fleet problems from two employees of Code 3661 who, for the past year, have been

ATE Acquisition Management course scheduled March 14-15

A two-day Automatic Test Equipment (ATE) Acquisition Management Course will be held on March 14 and 15 in Conference Rm. B-C of Michelson Laboratory.

Development of this course is the result of an investigation by the Naval Material Command (NAVMAT), under the direction of the Secretary of the Navy, into maintenance and readiness problems related to the Navy.

This investigation has led NAVMAT to develop the forthcoming course that is to be presented here for the benefit of the following: engineers with design responsibility for built-in-test and testability of prime systems, test equipment acquisition managers and design engineers, logistics managers with responsibility for maintenance planning, and maintenance engineers.

Because of its involvement with the development of complex systems requiring built-in-test and automatic test equipment support, the Naval Weapons Center has been selected as one of the first Naval laboratories to receive the ATE Acquisition

Management Course. Guest speaker on the opening day of the course will be Rear Admiral R. G. Freeman III, NWC Commander, who considers this course to be of great value to the development work being performed on the Center.

The course is aimed at managers responsible for the design and acquisition of built-in-test, automatic test equipment, and design for testability implementation.

Subjects to be covered during this two-day session include "Design for Testability," "Off-Line Automatic Test Equipment," "Software," "Identification and Implementation of Requirements," "Monitoring of Performance," and "Future Plans."

Experts who will be here to speak are: Paul Giordano, of Giordano Associates, a Washington, D.C., area contractor; Steven Schlosser and Theodore Dankworth of ManTech Systems, another Washington, D.C., firm; Fred Ligouri, from the Naval Air Engineering Center at Lakehurst, N. J.; Arnold Greenspan, of Support Systems, a contractor in Northport, N.Y.; and George Neumann, from the Test and Monitoring Systems Office of the Naval Material Command in Washington, D.C.

NWC employees planning to attend this course are asked to contact Vernon Leonard by calling NWC ext. 3445 no later than Monday.

Boy Scout sustaining membership drive to begin tomorrow

A campaign to launch the annual sustaining membership drive of the Desert District, Boy Scouts of America, will get under way at a breakfast meeting scheduled tomorrow morning at 8:30 at the Veterans of Foreign Wars hall in Ridgecrest.

This activity is of extreme importance to the local Scouting effort because, although contributions are received from the Combined Federal Campaign and the United Way of Indian Wells Valley, they are not sufficient to meet the Desert District's financial needs for the year.

Boy Scouts are unique in the manner in which their programs and activities are financed. The costs are shared in five ways. Individual members, the troop or pack, the sponsoring organization, the community and the national organization all help.

The forthcoming sustaining membership drive will be focused on contacting parents and other friends of Scouting in an effort to raise \$7,500.



POPCORN APLENTY — Just three more days remain to get in on the communitywide popcorn sale being conducted by students at Burroughs High School for the purpose of raising money that will be used to purchase some special item of equipment for the school's new library. Assembled with Hal Reid (third from left), Burroughs High School principal, to call attention to this special event, which has the backing of the Student Council, Burroughs PTA and the local high school's many clubs, are (l.-r.) Sue Jenne, Brian Adams, Reid, Kathy Donoghue, Laura Nay and Pollyanna Leon. Spoil-preventive sealings insure that the popcorn will remain fresh. It is being sold for \$1.25 per box of four packets, by the half case (six boxes) for \$7.50, or by the full case (12 boxes) for \$15. —Photo by Ron Allen



REAL CROWD PLEASERS — The elite group of 55 instrumentalists and vocalists that comprises the traveling contingent of the U.S. Navy Band more than lived up to advance notices during matinee and evening concerts presented on Feb. 24 at the Naval Weapons Center theater. Audience reaction to the varied types of selections played was tremendous at both the afternoon program for school children and the nighttime concert for all ages. The Center theater was filled for both programs with the result that the Burros Band Boosters, who made arrangements for this local appearance of the U.S. Navy Band,

cleared \$1,174 that is to be used to help pay a portion of the cost for a concert grand piano at the Burroughs High School lecture center, and also for replacement of some of the high school band's nearly worn out instruments. These photos, taken during the matinee program, show the entire band, as well as the horn section in a featured number, and vocal soloist Jessica Farrow as she belted out the words to a rock music tune. So great was the enjoyment of those who attended the concerts, they were sorry when the final number was played. A return engagement at an early date is hoped for. —Photos by Ron Allen

Decrease reported in animal control activities in NWC residential area

Animal control activities in the residential area of the Naval Weapons Center decreased during 1976 in all categories except those involving cats, according to a report released recently by the NWC Safety and Security Department.

The following comparisons between 1976 and 1975 reveal that the number of dogs observed running uncontrolled dropped from 128 to 82, while calls received by China Lake police or the animal control officer concerning animals that were a nuisance in the neighborhood was down from 859 to 693.

In 1976, 276 dogs were released to their owner or adopted from the animal pound, compared to 328 in 1975. Fewer dogs (413) had to be destroyed in 1976, in contrast to 471 in 1975, and there were fewer dog bites (33) in 1976 than in 1975, when the total number reported was 39.

Even though the dog problem was less serious in 1976 than in 1975, the reverse was

true in the case of dealing with the feline population at China Lake. The number of cats picked up and impounded totaled 448 last year, compared to 310 in 1975. As a consequence, more cats were destroyed (444) during 1976 than in 1975, when 305 were put to death.

Far fewer owners of cats took the trouble to look for their pets at the animal pound. Only 12 — 7 in 1976 and 5 in 1975 — were released to their owners. Cat bites reported to authorities dropped from 4 in 1975 to just 2 last year.

An updated Animal and Pet Control Instruction (No. 5820.3E) has been distributed to all China Lake residents. Contained in it are the "do's" and "don'ts" on the matter of controlling family pets. The major changes are in the amount of the fee that has to be paid when an animal is impounded, and the restriction on the number of animals allowed per resident.

Promotional opportunities...

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majority of the material involves information of a highly technical nature. It is typed in the form of reports, tables and charts. A larger portion of the work also includes typing contractual correspondence and reports. Typing correspondence and documents of a routine nature will constitute the remainder of the duties. Job Relevant Criteria: Ability to type accurately, rapidly and efficiently; knowledge of the rules of grammar, spelling and punctuation; experience in typing statistical reports, charts or tables, and observed on-the-job reliability and dependability.

Clerk, GS-301-2, PD No. 7735016N, Code 3602 — This position is that of clerk and is located in the custody control office of the Electronic Warfare Department. The incumbent performs duties such as preparing destruction lists, transmittals, filing receipts, wrapping packages for mailing off-Center and other such duties as assigned. The incumbent will also pick up and deliver classified mail and materials within the department on a daily basis. The pick up and delivery of mail may also include other on-Center groups and nearby government contractors. A government driver's license will be required. Job Relevant Criteria: Observed on-the-job reliability and dependability, capability to perform duties with a minimum of supervision, observed tactfulness in dealing with other people, ability to type.

File applications for the above with Charlotte Siewkowski, Bldg. 34, Rm. 204, Ph. 3118.

Machined Parts Inspector, WG-3414-11, JD No. 389N, Code 3643 — This position is located in the Quality Control Branch, Engineering Prototype Division, Engineering Department. Incumbent performs complex inspections on experimental parts, on tooling and on precision shop accessories. Duties include designing the inspection set-up of the required measuring equipment; designing special tools, gages and fixtures necessary to accomplish the required results; inspecting tooling attachments, and consulting with on- and off-Center engineering groups to assist in the development of adequate precision inspection techniques. Job Relevant Criteria: Ability to work independently, make decisions, plan operations and do the full range of duties of the position; ability to set up and operate all machine tools common to the trade, to do the theoretical, precise and/or artistic work of the inspector trade, to use shop drawings and to use measuring devices to determine whether or not specifications have been achieved; knowledge of characteristics of various kinds of non-metals and metals and their alloys. Note: Supplemental experience statement forms for machined parts inspector should be filled out and may be picked up in Rm. 204 of the Personnel Building.

File applications for above with Janet Thomas, Bldg. 34, Rm. 204, Ph. 2925.

Happenings around NWC

Dr. Laurence Peter, well-known author and lecturer, will discuss the principles of hierarchical organizations at the Cerro Coso Community College lecture hall tomorrow at 7:30 p.m.

Tickets for this community service program, priced at \$2 for the general public and \$1 for holders of student body cards, may be purchased at the college business office, the Gift Mart in Ridgecrest and the Station Pharmacy at China Lake. They will also be available at the lecture hall on the night of the program.

Dr. Peter is most well known for his book, which has almost entered the American language, "The Peter Principle: Why Things Go Wrong." This book, published in 1969, was an international best seller for nearly two years.

Stargazers To Meet Mon.

A presentation on the personality and achievements of famed physicist Albert A. Michelson, as viewed through his work on stellar interferometers, will highlight the next meeting of the China Lake Astronomical Society on Monday night at the society's clubhouse, 401-A McIntire St.

The meeting, which is open to the public, will begin at 7:30. Delivering the presentation will be D.T. McAllister, curator of the Naval Weapons Center's Michelson Museum, who will illustrate his talk with slides and show a short documentary film about Michelson.

McAllister was instrumental in achieving recognition of Michelson in the Hall of Fame of Great Americans at New York University in 1973.

Band Booked at COM

The Shenandoans, a country and western dance band from Hollywood, will entertain from 9 until 1 tonight at the Commissioned Officers' Mess.

Centerite to attend workshop on inputs to aviation systems

Bertha Ryan, an aerospace engineer in the Systems Development Department's Aerothermodynamics Branch, is scheduled to attend a workshop on Meteorological and Environmental Inputs to Aviation Systems at the University of Tennessee's Space Institute in Tullahoma.

The workshop, which will be held March 8 through 10, is a combined effort of the National Aeronautics and Space Administration's Marshall Space Flight Center in Alabama, and is also jointly sponsored by the National Oceanographic and Atmospheric Administration and the Federal Aviation Administration.

Committees will be assembled to cover the areas of aircraft design, general services, simulation and general aviation, and there will be others composed of experts in meteorology, environmental factors, flying, accident investigation and navigation.

Miss Ryan, who has been employed at NWC since coming here 10 years ago from Edwards Air Force Base, where she worked for NASA, is a member of the workshop's General Aviation Committee.

She has both an engineering and flying background, being a member of the General Aviation Technical Committee of the American Institute of Aeronautics and Astronautics, and the holder of a master's degree in aerodynamics from the Massachusetts Institute of Technology in Cambridge.

Miss Ryan owns and flies her own light airplane and is also a glider flying enthusiast. In her work for NWC, she is involved in boundary layer transition studies and heat transfer analyses on various weapons systems.

Signups extended for ballet classes

Registration has been extended for adults interested in ballet classes, the fees from which will benefit the Maturango Museum building fund.

Classes, at a special rate of \$20 for 6 weeks (checks should be made payable to the Maturango Museum) will be taught by Bette Jacks, director of Ballet Arts Theatre. Instruction will be adapted to each individual so that the student just seeking exercise will be as much at home as those wanting to seriously study classical ballet.

Morning, afternoon and evening classes will be offered in order to accommodate everyone's schedule. Interested persons may register at 303 Blue Ridge Rd., China Lake, today and Monday from 4:30 to 5:30 p.m., and next Tuesday, March 8, from 1 to 2 p.m. and 5 to 6 p.m.

Classes are scheduled to begin in mid-March.

Safety course slated

Enrollment applications are still being taken for a course entitled "Supervisors' Responsibility in Safety" that will be held next Wednesday, March 9, from 8 a.m. to 4 p.m. in the conference room of the Safety Building, corner of Nimitz and Hussey Rds.

This is a new course designed to give supervisors, and those with supervisory responsibility, a basic understanding of accident causes and methods of accident prevention.

Employees interested in attending must submit an enrollment form in time for it to reach Code 244 no later than Monday.

Seabees due....

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clude the preparation of defensive positions, patrolling and training in the firing of recoilless rifles, 81mm mortars, grenade launchers, machine guns and rifles.

Capt. James E. McNeil is the Commanding Officer of NMCB-3, while Lt. Steve Martz is officer-in-charge of the Air Detachment, and Builder Chief Ben Adriano will direct the battalion's Self-Help Project work crews.