



FRIDAY Oct. 13

"Straight Time" (120 min.) Going straight appears impossible for ex-con Dustin Hoffman, a loser with a bad temper and a sadistic parole officer. His efforts to lead a clean life seem doomed from the start, and when he goes back to his old ways, it is with a vengeance. (Drama, rated R)

SATURDAY Oct. 14

No 1:30 Matinee Today
"Mr. Sycamore" (95 min.) A postman with the soul of a poet, having read a Greek legend concerning a man who turns into a tree, years for the peace and serenity of a similar fate. A lovely librarian is sympathetic; his wife suspects he's batty. He escapes the men in white coats; and when discovered, he has planted himself and is awaiting metamorphosis. A tornado uproots him and carries him off to a surprise ending. (Drama, rated PG)

MONDAY Oct. 16

"House Calls" (105 min.) This laudic appraisal of the medical profession stars three Oscar winners and is consistently amusing and often funny. Walter Matthau is a skilled surgeon who becomes an instant Romeo following his wife's death. In an attempt to make up for lost time by bedding down with as many young women as he can, he encounters divorcee Glenda Jackson, who's after more than a one-shot relationship. Art Carney is a senile and overbearing chief of surgery at the hospital where Matthau and Jackson work. (Comedy, rated PG)

WEDNESDAY Oct. 18

"The Medusa Touch" (115 min.) Many destructive events are triggered by Richard Burton, who possesses telekinetic powers. When someone tries to murder him, he is rushed to a hospital and attached to life-sustaining apparatus. The detective investigating the attack connects Burton to the disasters and attempts to disconnect the equipment keeping Burton alive, but his mind struggles to survive. (Occult drama, rated PG)

FRIDAY Oct. 20

"Malibu Beach" (93 min.) In keeping with the posh Malibu lifestyle, two high school couples — Kim Lankford and James Daughton, Michael Luther and Susan Player Jarreau — exude youthful zest and a devil may-care attitude that takes them into a variety of escapades and sex adventures. (Comedy, rated R)

Program subject to change without notice. For further information call NWC ext. 3097 or ext. 2411.

Bus to be available for Navy Night at Disneyland Oct. 21

The Special Services Division will provide bus transportation to Disneyland for military personnel and their dependents who wish to take advantage of Navy Night at the amusement park on Oct. 21.

On that evening, the park will open its gates to the Navy's active duty, retired and civilian personnel and their dependents for \$5.25 per person.

From 8 p.m. until 1 a.m., the admission price includes unlimited use of more than 50 attractions, except for those normally closed after dark, shooting galleries and coin-operated amusement machines.

Persons wishing to use the buses will be charged \$3 per seat, and payment must be made at the Community Center by 4:30 p.m. Thursday, Oct. 19.

The buses will depart the Community Center at 1 p.m. on Oct. 21 and return at 5 a.m. the following morning.

Special Disneyland Navy Night discount tickets must be purchased in advance at the Community Center. No tickets will be sold at the park's box offices.

The supply of tickets is limited.

Ballet Arts Theatre classes to benefit museum bldg. fund

The Ballet Arts Theatre, directed by Bette Jacks, is again offering an adult ballet class to benefit the Maturango Museum Building Fund.

This session will last for six weeks, and the classes will be scheduled at a time that is most convenient for participants.

Men, as well as women, may enroll in this class, which will be taught by Mrs. Jacks. Cost for the entire series is \$20 and checks may be made payable to the Maturango Museum.

Enrollment will begin tomorrow at the NWC Health Fair, which will take place at Cerro Coso Community College from noon to 4 p.m. in the student center. Other registration will be held on Monday, Oct. 16, and on Wednesday, Oct. 18, from 4 to 6 p.m. at 303 Blue Ridge Rd., China Lake.

Instruction will be offered at the beginning level and, according to Mrs. Jacks, will provide participants with an excellent way to get in shape for the holiday season.



PREPARATIONS BEING MADE FOR WACOM BAZAAR — The Holiday Bazaar, a popular event that is sponsored annually at the Community Center by the Women's Auxiliary of the Commissioned Officers' Mess, will be held this year on Friday and Saturday, Nov. 17 and 18. More than two dozen local clubs and organizations will be manning booths at which patrons will be able to find just about every kind of handwork imaginable, as well as a wide variety of holiday candies, nuts, and homebaked cakes, sweet rolls and breads. Shown at work on some of the unusual hand-made gifts that will be offered for sale are (l.-r.) Kathy Vander Houwen, of the CPO Wives Club; Betty Jo Geiser, a member of the Desert Primrose Rebekah Lodge; and Lorena Baker and Mary Hough, two representatives of the Rand District Four Square Church in Johannesburg.

Curtain to go up tonight at BHS lecture center on CLOTA production of 'Gigi'

The curtain will go up tonight at 8:15 at the Burroughs High School lecture center on the Community Light Opera and Theater Association's production of the popular musical comedy "Gigi."

There will be repeat performances of this CLOTA musical at the same time and place tomorrow night, as well as on Friday and

Saturday, Oct. 20 and 21.

Cathy Bleeker, a newcomer to the local area who is a music teacher in the Trona Unified School District, will be seen in the title role of Gigi, while Reno Venturi has been cast in the male romantic lead of Gaston Lachailles, a handsome and rich bachelor who is looking for a wife.

"Gigi" is a love story about this couple and how a young girl becomes a woman — something her boyfriend has some difficulty in fully realizing.

Gaston receives some helpful advice from his uncle, Honore Lachailles, who is being played by Walter Koerschner, and Gigi takes lessons on how to act from her Aunt Alicia, a part that is portrayed by Peggy Zarlingo, and also is the beneficiary of much prompting from her grandmother, played by Eleanor Lotee.

Ms. Zarlingo is new to the CLOTA stage, while Mrs. Lotee, as Mamita, is returning to the stage here after a five-year stint of backstage work — both as a member of CLOTA's board of directors and as a seamstress.

Terry Werle and Suzanne Koerschner are the director and assistant director, respectively, of "Gigi." Others working on the show in staff capacities are Don Kurnerman as musical director, Betsy Babcock as choreographer, Rebecca Conner as vocal director, Jim Werle as technical director, Steven Green as lighting director, Jim Fussner as set designer, Florence Green as stage manager, and Vivian Childers as costumer.

Rehearsal pianists have been Pat Noland and Shirley Helmick. Musicians during the production will be pianist Paul Riley, bass player Bill Stader and Kevin Caruso on the drums.

Tickets are priced at \$4 for adults or \$2 for students, enlisted military personnel and senior citizens. They can be purchased in advance from members of the cast or in Ridgecrest at the Gift Mart and Medical Arts Pharmacy. They also will be on sale at the lecture center box office just prior to curtain time.

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From:	PLACE STAMP HERE
To:	

nwc rocketeer

Naval Weapons Center,
China Lake
California

October 13, 1978

Vol. XXXIII, No. 41

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Samples of thin film coatings to be among DoD experiments placed on board space shuttle

When NASA's space shuttle is launched, samples of thin film coatings developed by Naval Weapons Center scientists will be aboard the Orbiter spacecraft.

The films are part of a package of Department of Defense experiments which will permit analysis of specimens exposed to the environment of space and will enable experimenters to determine if any changes have occurred in the properties or structures of these specimens.

The samples will go into orbit along with more than 200 others on NASA's Long Duration Exposure Facility, which will be Orbiter's payload. The Long Duration Exposure Facility (LDEF) is a 14-ft.-long cylinder that will orbit the earth for 6 to 12 months before it is retrieved by another space shuttle craft.

Thin films developed here may be useful in reducing the light absorption properties of material used in optical components of space vehicles.

The NWC samples are being tested as part of a Research Department program under the direction of Dr. Terry Donovan of the Physics Division. The objective of the program is to develop optical coatings which will increase the ability of mirrors to reflect light. The amount of light a material absorbs determines how much it will increase in temperature and is directly related to the failure of a component made from the material. The less absorption the better the performance.

The reflectivity of materials varies according to the wavelength of the light striking them. Aluminum, for example, reflects about 92 percent of high-frequency ultraviolet light that strikes its surface; however, the reflectivity decreases as the wavelength of light moves through the low-

frequency or visible range of the spectrum and then dips to 82 percent just as the light enters the infrared range.

If the goal, for example, is to increase the ability of aluminum to reflect light waves in the infrared range, then a coating must be developed that will increase its reflectivity in that particular range, perhaps, without reducing the reflectivity of the surface at other wavelengths.

The ideal is to discover a material that will reflect all wavelengths, but this is not possible since known materials will absorb some light, Edmond Ashley, a physical sciences technician in the Thin Film Physics Branch, explained.

However, Ashley said, the films developed here sometimes must be fabricated to reflect 99.95 percent of light at a particular wavelength.

Ashley applies the coatings to materials before they undergo a series of local laboratory tests. This coating process must be done in a vacuum that is as free as possible of impurities.

Although thin films may be only three angstroms thick (.0000003 of a centimeter)—which is about the thickness of one atom—sample coatings for analysis are about 1,000 times thicker. Because they are so thin, these films and sample coatings must be applied to a substrate by vaporizing chemical substances and letting the atomic or molecular vapor hit the surface to be coated. A substrate is a window or mirror.

After the sample film coatings are applied to the substrate, they undergo laboratory analysis and tests to determine their optical and physical characteristics.

Arold Green, a research physicist in the Quantum Surface Dynamics Branch, (Continued on Page 6)

Three Centerites share in NWC Technical Director Award

To the growing list of recipients of the NWC Technical Director's Award, three more names have been added following award presentations made by Bob Hillyer during Tuesday morning's Commander's meeting.

Singled out to receive this special form of a Superior Achievement Award were Michael J. Ripley-Lotee and Scott M. O'Neil, who are mechanical engineers in the Systems Technology Branch and the Solid Propulsion Branch, respectively, of the Ordnance Systems Department, and Phillip W. Bowen, an electronics engineer in the Electronics Systems Branch of the Weapons Department.

The three men were commended by Hillyer for their contributions to the recent successful implementation of the Vertical Launch Anti-Submarine Rocket (ASROC) flight demonstration program.

Multiple Use Possible
"This," Hillyer said as he made the presentations, "was a competently done engineering job that was executed nearly perfectly. We have now demonstrated how one launcher can be used for launching other weapons as well."

In the letter of commendation from Hillyer which accompanied the Technical Director Award, Hillyer wrote (in part): "Your expertise in your individual field and the manner in which you devoted your energies in producing an integrated team effort have resulted in a highly significant technical contribution. You have demonstrated a solution to the problem of adapting existing airframes to the Navy's Vertical Launcher System which should benefit many future systems."

Ripley-Lotee is the Vertical Launch project engineer, O'Neil is the ASROC Vertical Launch engineer, and Bowen is the project's autopilot and control electronics engineer. In addition to the letter of commendation from Hillyer, all three received an engraved paperweight and a \$200 stipend each in recognition of their efforts which are seen as a "clear illustration of the ability of the laboratories to provide quality 'hands on hardware' work."



THREE SHARE IN TECHNICAL DIRECTOR AWARD — In recognition of their part in the successful implementation of the Vertical Launch ASROC flight demonstration program, Technical Director awards were presented Tuesday morning to (l.-r.) Michael Ripley-Lotee, Phillip W. Bowen and Scott M. O'Neil. The presentations were made by Bob Hillyer, NWC Technical Director.

Action awaited on FY 79 DoD appropriation act

As this week's issue of THE ROCKETEER was ready to hit the press, Congressional action on the fiscal year 1979 Department of Defense appropriation act (or a continuing resolution) had not yet been completed.

This necessitated the development by the NWC Office of Finance and Management and the Military Administration Department of a contingency plan for the distribution of paychecks to military personnel and a few civilian employees of tenant activities at China Lake.

This plan calls for broadcasting on Ridgecrest Radio Stations KLOA and KZIO information on disbursement of paychecks on Saturday or Sunday from the NWC Administration Building just as soon as the official go-ahead is received that the paychecks, which already have been made up, can be distributed.

Regular civilian employees of NWC were paid, as usual, today. The delay affects military personnel and about 35 civilian employees of such tenant activities as the Commissary Store, Patent Counsel, Weather Service Office and VX-5.



HEALTH FAIR SLATED TOMORROW — Films, lectures and demonstrations have been scheduled tomorrow from noon to 4 p.m. at Cerro Coso Community College as part of a Health Fair sponsored by the Naval Weapons Center's Employee Assistance Program (EAP). Purpose of the Health Fair is to acquaint residents of the local area with the opportunities that are available here to enhance their physical, mental, and emotional health and well-being. Since a person's blood pressure is one important indicator of the state of his health, Nick Curran, a Personnel Department employee, was ready and willing to have his checked by Laura Lacey, who along with Joe Burge (standing at left) are the volunteers who have handled the scheduling and coordinating of the Health Fair program. At right is Lynn Lacey, the Center's EAP advisor. Activities at the Health Fair will run the gamut from a lecture on transcendental meditation to demonstrations of aerobic dancing and self defense for women. Also planned is a demonstration of championship calibre ping pong play, and there will be displays on snow skiing, bicycling, square dancing, and weight reduction plans to mention but a few of the nearly three dozen groups that are involved in the Health Fair.



VOLUNTEERS HONORED — Awards in recognition of their lengthy and valuable service as Navy Relief Society volunteer workers were presented last Friday, Oct. 6, by Rear Admiral William L. Harris, NWC Commander. In the top photo the recipients were (on right) Deanna Allee and Freda Whitaker, who have accumulated 1,500 and 1,000 hours of volunteer service, respectively. Looking on at left is Mrs. Priscilla Kinley, who is the chairman of local volunteers for the China Lake Branch of the Navy Relief Society, and next to her is C. J. Cowell, who received a certificate denoting 300 hours of NRS volunteer service. In photo at lower left, Dana Castillo is receiving a meritorious award from RAdm. Harris for her outstanding service above and beyond that of a NRS volunteer. The meritorious award is the highest such honor that can be given to a volunteer by the Navy Relief Society.

Enrollments being accepted for seminar on pre-retirement planning slated Oct. 25

Enrollments are now being accepted for a Pre-retirement Planning Seminar which is scheduled to begin on Wednesday, Oct. 25.

Most of the sessions (except the "Psychological Aspects of Retirement" and the "Financial Planning" segments) will be 1½ hours in duration and will be held once a week.

The "Psychological Aspects" segment will be in the form of an all-day workshop. The "Financial Planning" segment will be a 4-hour session. The total time required for the seven-week seminar is 17 hours.

This seminar is intended for Naval Weapons Center civilian employees who are planning to retire within the next five years. Spouses of enrollees are also invited to attend.

The course is designed to provide a wide range of information on such subjects as tax regulations, the Civil Service Retirement System, Social Security and Medicare, legal matters, financial planning, health maintenance, and the psychological adjustments of retirement.

Employees who are interested in attending this seminar should submit a

training request and authorization form via appropriate department channels in time for it to reach Code 094 by Oct. 18. The seminar will be limited to 50 employees. The approximate date of retirement also should be indicated on the training request.

Additional information can be obtained by calling Nancy Cleland at NWC ext. 2018 or 2592.

POIs must submit chiefs' exam form

First class petty officers must submit combination nomination-recommendation forms to the Educational Services Office by Oct. 20 to be eligible for the January 1979 CPO advancement examinations.

Exam candidates must have 10 years of total service, including three years as a POI, by Nov. 1, 1979.

A form must be submitted, even though persons applying may have previously taken an examination for advancement to chief.

Applicants must complete all other qualifications for advancement by Dec. 1 to be eligible for the test.

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 632, Ext. 2049. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 996 or 997). 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-116, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Clerk-Typist, GS-322-3/4, PD No. 773952N, Code 3925 — This position is in the RVP Technology Branch, Weapons Development Division, Weapons Department. Incumbent acts as receptionist, screening visitors and incoming telephone calls for the branch; provides clerical and typing support for branch personnel; maintains files; makes travel arrangements; performs timekeeping duties; procures supplies, equipment, repair and maintenance services; etc., through appropriate channels; performs other miscellaneous clerical/administrative duties as assigned. **Job Relevant Criteria:** Ability to get along with others in the work group; ability to meet deadlines under pressure; knowledge of Navy correspondence and local filing procedures.

Interdisciplinary Position, GS-11/12, Mechanical Engineer, GS-630, Electronics Engineer, GS-855 or Physicist GS-1310, PD No. 7839110, Code 39081 — This position is located in the Point Defense Systems Office, Sparrow Program Office of the Weapons Department. The incumbent of this position plans, directs, coordinates and integrates the efforts of the various groups involved in the development process. Current development tasks include an active optical target detecting device, remote armoring/firing device, contact fuzes, seekers (IR, TV, etc.), cost analysis, etc. The incumbent will also have significant responsibility in the coordination, review, and/or direction of contractor efforts. **Job Relevant Criteria:** Ability to manage a moderately complex weapons system development project. Knowledge of RF and IR technology as related to missile seekers. Ability to communicate orally and in writing with all levels of management (on and off Center). Knowledge of missile system design, development, test and evaluation.

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

Electronics Engineer, GS-855-12, PD No. 7835129E, Code 3543 — This position is located in the Countermasures Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs all necessary background investigations and theoretical analysis to determine feasibility for developing new airborne and missileborne radar system and subsystem design concepts in the areas of radar navigation, target location, acquisition and tracking. **Job Relevant Criteria:** Extensive skills involving detailed radar analysis as applied to target detection for missile or airborne radars. Knowledge of missile or airborne radar hardware skills (through experience or post-graduate level education) in the areas of electromagnetic and microwave theory, advanced mathematical techniques, principles of high resolution radar, radar clutter and multipath modeling, MTI and pulse doppler radar, and radar detection theory.

Electronics Engineer, GS-855-11/12, PD No. 7835130E, Code 3543 — This position is located in the Countermasures Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs detailed and specialized engineering analysis, design and development of radar systems and components. He develops radar countermeasures techniques and circuits which are evaluated both analytically and by actual field tests against actual radars. **Job Relevant Criteria:** Detailed knowledge of radar systems analysis (including statistics and time frequency analysis). Previous experience with radar systems development and testing.

Electronics Technician, GS-854-7/10, PD No. 7835144N, Code 3525 — This position is located in the EW Projects Office, Code 3525, Countermasures Division, Electronic Warfare Department, with duty station in the Echo Range Flight Support Facility at Armatage Field. Duties include operating, aligning, calibrating, and repairing one-of-a-kind airborne electronic beacon reference systems that are used in the test and evaluation of electronic warfare devices and tactics. The incumbent must establish and maintain compatible electronic interfaces on assigned beacon/radar subsystems and assist in providing technical expertise to project engineers responsible for modifications to beacon/radar systems. **Job Relevant Criteria:** Knowledge of radar/beacon subsystem design. Experience in using test equipment including RF sweepers, spectrum analyzers, frequency synthesizers and digitally controlled test equipment. Demonstrated ability to work well with others under a variety of situations. Experience in aircraft avionics systems design. Promotion potential: GS-11.

Engineering Technician, GS-802-7/8/9, PD No. 7742044N, Code 62122, (2 vacancies) — This position is located in the Environmental Test Section of the Environmental Engineering and Evaluation Branch, Ordnance Test and Evaluation Division of the Range Department. The incumbent conducts non-routine environmental and safety tests of all classes of weapons which involve the following duties: setting up the test, performing system calibration, operating test equipment and recording devices. **Job Relevant Criteria:** Experience in environmental testing including the handling and testing of experimental and operational ordnance; familiarity with the construction and operation of various ordnance such as bombs, rockets, missiles, pyrotechnic devices; and knowledge of data acquisition and data processing methods.

Clerk-Typist, GS-322-4, PD No. 7842100, Code 6224 — This position is located in the Data Reduction Branch, Range Operations Division of the Range Department. The incumbent provides clerical support to the branch head and other members of the branch. Major duties include receiving telephone calls and visitors, typing correspondence and reports, filing and other office duties. In addition, the incumbent prepares Task Orders and modifications, monitors funds for same, and maintains files and records in support of the Contract Technical Coordinator. **Job Relevant Criteria:** Knowledge of Navy correspondence procedures and procurement forms; ability to deal tactfully and effectively with NWC and contractor personnel; ability to perform a variety of clerical tasks under pressure of frequent interruptions and changing priorities; ability to type accurately and efficiently.

Administrative Management Intern, GS-301-5/7, PD No. 7445026, Code 092 — (Multiple vacancies). This position

is that of a management intern in the Naval Weapons Center's Management Intern Program. Incumbent of this position will enter an intensified training assignment of approximately six months duration designed to acquaint the incumbent with and provide practical experience in the various administrative staff functions performed at the Center. At the completion of the training assignment, incumbent will be permanently assigned to one of the various staff functions at the Center. Those candidates certified as "best qualified" will undergo oral interviews before representatives of the Center's Administrative Development Committee. **Job Relevant Criteria:** Bachelors degree or above with emphasis in Public Administration / Business Administration or the social sciences; score attained on the PACE or CSC Test 580 (the in-service version of the PACE); effectiveness in personal work relationships with all levels of responsibility; and ability to express self orally and in writing. Applicants are asked to complete a questionnaire which can be picked up in Rm. 204, Personnel Building. Promotion potential: GS-12.

File applications for the above with Jan Nieberlein, Bldg. 34, Rm. 204, Ph. 3377.

Electronic Engineer, GS-855-12, PD No. 7555110, Code 3554 — This position is located in the Monopulse Design and Evaluation Branch, RF Division of the Weapons Department. The incumbent performs missile guidance system analyses, evaluation, hardware test and consultation primarily on the Sparrow Advanced Monopulse Seeker system. **Job Relevant Criteria:** Experience with microprocessors and SF signal processing both from the standpoint of theoretical analysis and hardware testing; familiarity with techniques such as Kalman filtering and Fast Fourier Transforms, etc. Previous applicants need not apply.

Electronic Engineer, GS-855-7/9/11, PD No. 7835124N, Code 3512, (2 vacancies) — This position is located in the Electronic Warfare Analysis Branch, Microwave Development Division, Electronic Warfare Department. Performs laboratory test and evaluation of electronic warfare systems. Performs analysis of U.S. Navy active countermeasures systems against threat systems, to predict system effectiveness. **Job Relevant Criteria:** Must have experience in use of laboratory test equipment; knowledge of operational naval airborne EW systems, and a working knowledge of the use of intelligence publications. Ability to communicate effectively, both orally and in writing.

Electronic Engineer, GS-855-12, PD No. 7835067, Code 3512 — This position is located in the Electronic Warfare Analysis Branch, Microwave Development Division, Electronic Warfare Department. The incumbent performs electronic warfare modeling and analysis of interaction between foreign threat systems and U.S. electronic warfare systems. Investigates electronic warfare equipment requirements and operational employment. **Job Relevant Criteria:** Must have had progressively responsible experience in the field of military electronic systems. Substantial familiarity with procedures involved in obtaining and analyzing unprocessed data. Ability to communicate effectively orally and in writing.

(Continued on Page 6)



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
Sunday 0830-1130
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 6th grades
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 Realities

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

Acme, Inc., nabs intramural flag football lead

The Acme, Inc., flag football team, coached by Sam Thompson, last week moved into first place in the China Lake Intramural Flag Football League by virtue of a 6-0 win over the Renegades.

The victory gave Acme, Inc., a 3-1 league record compared to the 2-1 mark for the Head Knockers, who were upset, 18-6, by NWC on Oct. 4 — thus setting the stage for a crucial game on Monday night at 8 o'clock at Schoeffel Field between Acme, Inc., and the Head Knockers.

In a previous encounter between these two teams, the Head Knockers shut out Acme, Inc., 13-0.

Game Controlled by NWC

In last week's game between NWC and the Head Knockers, the NWC squad controlled the game and the scoring by racking up a pair of first half touchdowns while holding the Head Knockers scoreless.

The first tally for NWC climaxed a 30 yd. drive and came on a 10 yd. pass from Calvin Brown, NWC quarterback, to Connie Reeder, split end, who was open in the Head Knockers' end zone.

On the final play of the second quarter, the NWC team scored again — this time on a pass from quarterback Brown to Bob Bailey, tight end. The scoring play covered 15 yds. and gave the NWC gridders a 12-0 halftime lead.

While the Head Knockers' offense was unable to shift into high gear, the defense did the job on one play when Ed Timmons, corner back, intercepted a pass and ran the ball back 30 yds. for touchdown that closed the gap to 12-6 in favor of NWC.

60 Yd. Touchdown Play

The game's final touchdown was tallied on a long pass from NWC quarterback Brown to his fullback, Steve Blanche, who sprinted to the goal line on a play that gained 60 yds. and made the final score 18-6 in favor of NWC over the Head Knockers.

The Acme, Inc., flag football team managed to control the ball for most of the game, but hit paydirt just once during its win last week over the Renegades.

Louis Pelupessy, quarterback for Acme, Inc., hooked up with right end James Isler on a 40 yd. pass and run play that resulted in the game's only touchdown in the first half of the contest.

While neither team was able to score for the remainder of the game (won 6-0 by Acme, Inc.) the victors outplayed the Renegades, who have yet to win a game this season in the China Lake Intramural Flag Football League.

Current league standings are:

Team	Won	Lost
Acme, Inc.	3	1
Head Knockers	2	1
NWC	1	1
Renegades	0	3

Aerobic dance class registration open at NWC gymnasium

Registration is now being taken at the NWC gymnasium office for a six-week class in aerobic dance that will be taught by Jackie Haff.

Aerobic dancing is a method of exercise aimed at stimulating and strengthening the cardiovascular system by using a combination of dance steps, calisthenics and body conditioning exercises.

Prospective students of all levels of physical fitness and athletic ability are invited to join this class, each session of which is generally concluded by a body stretching and relaxation session.

The class will be held at the Community Center from 5 to 6 p.m. on Tuesdays and Thursdays, beginning on Oct. 17. There is an enrollment fee of \$15 per person for the six-week session.

Persons interested in additional information should contact the gym office by calling NWC ext. 2334.



FIRE SAFETY STRESSED — During a series of two-a-day programs that began Tuesday and continued through today at the Naval Weapons Center theater, local school children in the first through sixth grades received valuable information on the dangers of fire and the correct procedures to follow in the event that a fire breaks out in their home or nearby and they are able to assist by turning in the alarm. As a part of the program, there was an outdoor demonstration which began by the lighting of a pan of gasoline (photo at top right) to simulate an automobile fire in a parking lot. The alarm summoning help by the China Lake Fire Division was turned in by a student volunteer (top left photo), who is being watched by John Howard, a captain at China Lake Fire Station No. 1, as she pulls the handle on a fire alarm box. In yet

another part of the fire fighting demonstration, students look on as Kern County fire fighters from Ridgecrest spray water from a pumper truck high into the air. The outdoor demonstration, a part of the local observance of Fire Prevention Week, was described by Bill Brown, one of the fire shift captains in Ridgecrest, using a public address system. Inside the theater, skits were presented and a film on fire prevention was shown. In the photo at lower right, Mike Bailey, a sixth grader at Las Flores School, is receiving a plaque for his Fire Prevention Week essay contest entry from Woodsey Owl and Smokey the Bear. Similar plaques or certificates were presented to students in grades one through six who submitted the winning entries in either the poster or essay contests.

—Photos by Ron Allen

McElfish, Smith win top honors in Robinson golf tourney

The team of Frank McElfish and Jim Smith won low gross score honors in the third annual Robinson Memorial Golf Tournament played last Saturday at the China Lake golf course.

McElfish and Smith, along with the duos of Dick and Tom Zurn, winners in the handicap flight, and Scott and Pam MacGregor, who placed first in the Peoria flight, received 12 in. portable television sets for their efforts.

All told, approximately \$2,500 in merchandise awards and U.S. Savings Bonds

No games played by youth soccer teams over long weekend

Because of the long weekend made possible by the Columbus Day holiday last Monday, no Youth Center Soccer League games were played this past Saturday or Monday.

Regularly scheduled action will resume tomorrow at 8:30 a.m. at Davidove Field with a National Division contest between the Whitecaps and Tornado teams.

Five more Youth Center Soccer League contests also are on tap Saturday, as follows: Hurricane vs. Strikers, 10 a.m.; Rogues vs. Timbers, 11 a.m.; Sting vs. Lancers, at noon; Express vs. Sockers, 1 p.m., and Rowdies vs. Earthquakes at 2 p.m.

On Monday, starting at 5 p.m., there also will be a game between the Kicks and Tornado teams.

prizes were divided among the tournament's leaders.

Gift certificates of \$125 each (donated by the Ridgecrest Automobile Dealers Association) to the golfers whose drives from the tee came the closest to the pin on the par 3 holes at the golf course were won by Phil Sprankle, Roland Baker, Bill Boltz and Frank McElfish.

Prizes were awarded through seventh place in the handicap flight. In addition to Dick and Tom Zurn, who won this event, the handicap flight runners-up were: Don Hiles and Jim Dillon, 2nd; Wayne and Ken Clauch, 3rd; Leroy Wise and Bob Hodson,

Signups being taken for tennis classes to start on Oct. 24

Registration is now being taken at Naval Weapons Center gymnasium office for a new series of tennis lessons that will be taught by Fred Hagist at the China Lake tennis courts.

Students have the option of signing up for a series of 12 lessons that will be offered on Tuesdays and Thursdays, beginning on Oct. 24, from either 10 to 11 a.m. or from 5 to 6 p.m. The fee is \$14.

In addition, there will be a class from 5 to 6 p.m. which will be held on Wednesdays, starting on Oct. 25. The fee for this one-day-per-week session is \$7.

Additional information can be obtained by calling Hagist at 375-9243, or the gym office, phone NWC ext. 2334.

4th; Bobbi Newton and Helen Brooks, 5th; Max Smith and Buddy Deffes, 6th; and Bert Smith and Bill Boltz, 7th.

Second and third place prizes in the Peoria flight were won by Bill Mayhugh and Don Powell, 2nd, and Hank Myers and John Peterson, who came in 3rd.

The "horse race" competition between the 10 top teams at the end of the regulation round of play in the Robinson Memorial Golf Tournament was won by the team of J. D. Ward and Bill Lawson.

Ace Realty keglers still hold slight lead in Premier League

The Ace Realty keglers are holding onto a slight lead of 1½ games in the Premier Bowling League following Monday night's action at Hall Memorial Lanes.

Ace Realty has a 10-5 early-season record, while the Fisher Plastering squad is in second (8½-6½), and there are four teams tied for third. The latter (all with 8-7 marks) are the Hideaway, Elks Lodge, Western Columbia and the E.R.I. Hustlers.

Fisher Plastering garnered high team game and high team series honors on Monday night with scores of 1,010 and 2,854, respectively.

Top individual bowler for the evening was Ken Dalpiaz, who rolled a 3-game series of 631. Other Premier League bowlers over the 600 series mark were Glen Collins (625), Pat Nalley (624), Dick Furstenberg (607) and Art Karrer (602).

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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NWC Commander

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DEADLINES
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Tuesday, 11:30 a.m.
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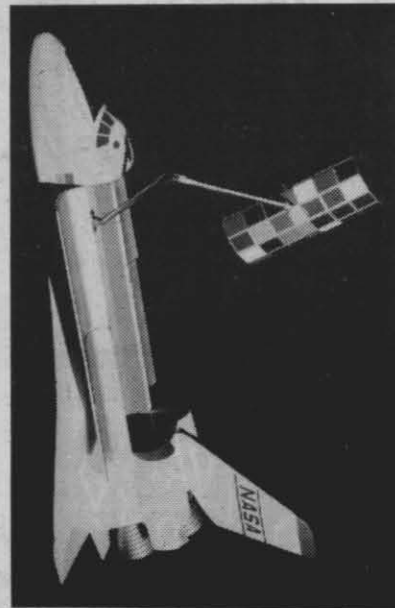
Orbiter to carry thin film samples . . .

(Continued from Page 1)

conducts the laboratory analyses to determine the physical characteristics of these NWC films and occasionally of others developed elsewhere. The NWC is one of few places where these extremely thin films can be analyzed to determine their constituent elements.

At the present time, Green conducts these tests electronically in two ways. The first way is with Auger electron spectroscopy which uses a beam of electrons that are absorbed by the film being analyzed. When this happens, the atoms that make up the film emit secondary electrons, and the process causes each atom to produce electrons with specific energies.

Using Auger electron spectroscopy



INTO ORBIT — Thin films developed by NWC scientists will be placed into orbit by NASA's shuttlecraft when the Orbiter space vehicle releases the Long Duration Exposure Facility experiment in the manner shown by this model. The samples will circle the earth for 6 to 12 months, and the effects of exposure to the space environment on the samples will be analyzed by experimenters. —NASA Photo

Center scientists, engineers to attend San Diego meeting

An estimated 20 scientists and engineers from the Naval Weapons Center will attend a symposium, Oct. 16 through 19, at the Naval Amphibious Base, San Diego, on the subject of "Advanced Technologies — Key to Capabilities at Affordable costs."

The symposium, co-sponsored by the Naval Air Systems Command and the Air Force Systems Command, will feature the presentation of technical papers on avionics, propulsion, flight dynamics, basic research, armament and human resources.

Next Wednesday, Oct. 18, a paper prepared by Bob Hillyer, NWC Technical Director, will be presented on his behalf by B. W. Hays, Deputy Technical Director. It is entitled "Armament Function Area Review — Navy Perspective."

Soldering refresher courses scheduled

Refresher courses in soldering will be held in Dorm 10 from 7:30 a.m. until 4:30 p.m. on Oct. 30 and 31 and again on Nov. 1 and 2.

The course is designed to retrain participants to deliver high quality hardware and reduce costs.

Instruction will cover proper soldering techniques and equipment, rework techniques and printed wiring assembly rework.

The classes will be taught by Robert Waters of the Certified Soldering Co. Training request and authorization forms for this course must be submitted via proper department channels in time to reach Code 094 no later than Oct. 20.

(AES), the energy of these characteristic electrons is measured. As fingerprints identify a person, the energies of these electrons identify each atom.

The other local method of analyzing thin films is called X-ray photo-electron spectroscopy (XPS) which produces secondary electrons in the same manner as the AES method but with a beam of X-rays.

Next year, local scientists will utilize secondary ion mass spectroscopy (SIMS) to conduct these tests. SIMS is the most sensitive way to detect impurities in thin films, Green said.

The equipment is on order and is scheduled to arrive in January. The SIMS method uses an ion beam to knock off other ions from the surface of the film being analyzed. Each of these separate ions is identifiable when broken away from the film's surface.

Secondary Ion Mass Spectroscopy can identify all elements, including hydrogen, which cannot be seen by the AES and the XPS methods. It is 1,000 times more sensitive than Auger electron spectroscopy and can detect the presence of one atom among one million other atoms while analyzing a section of film surface that is two-tenths of a millimeter in diameter.

Thin Films Carefully Analyzed

Careful analysis of these thin films is also necessary to detect any impurities trapped between the layers of multilayer films. Using the SIMS method, these layers are automatically eroded by the ion beam so that layer after layer may be analyzed.

Thin films developed here must also undergo other tests to determine their optical properties and morphology. An example of the optical tests is one that determines to what degree the films absorb light.

Electron microscopy measurements are performed by John Dancy of the Thin Film Physics Branch and are used to investigate the topography of the film's surface to find out if irregularities have an effect on the reflection, transmission or absorption of light as it strikes the material or passes through it.

Launch Scheduled March 1980

The launching of NASA's first shuttle craft has been scheduled for sometime in 1980, but arrangements to conduct the Long Duration Exposure Facility experiments have been underway for more than a year. A final design review of the NWC experiment package will take place next month, and samples must be ready by Dec. 15.

The samples will be delivered to the Aerospace Corporation in El Segundo, Calif., which is the contractor charged by the Department of Defense with responsibility for integrating the military experiments into the LDEF. In all, more than 220 research organizations (including nine foreign governments) will have experiments aboard the LDEF.

Promotional Opportunities. . .

(Continued from Page 2)

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 208, Ph. 3118.

Supervisory Supply Technician, GS-2005-9, PD No. 7825038N, Code 2575 — Applications will be accepted from both NWC employees and status eligibles. This position is the head of the Receipt Control Branch, Control Division, Supply Department. The function of the branch is to exercise control over material and services received or due from government, commercial and other sources. Incumbent plans, directs, coordinates and analyzes the activities of the branch to ensure the timely and accurate processing of a large volume of receipts and invoices. **Job Relevant Criteria:** Ability or potential to supervise an organization; technical knowledge of purchase methods and regulations; voucher examining methods and regulations; receipt control functions; ability to meet and deal effectively with others; ability to work well under pressure. Previous applicants need not reapply.

File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 312, Ph. 2371.

Painter, WG-4102-9, JD No. 202N, Code 2642 — (1 vacancy). The purpose of this ad is to establish a register to fill temporary (not to exceed one year) painter vacancies. Maximum time in an appointment of this type will be 12 months in any 24 month period. NWC will be accepting applications from reinstatement eligibles, people currently on registers, and people not on registers who have the necessary skills to qualify in this trade. Prepares wood, metal, brick, and masonry surfaces for painting. Paints interiors and exteriors of all types of buildings and appurtenances. Paints guard rails, fences, berms, towers, curbing, and tanks using brushes, rollers, and spray equipment. Blends colors, mixes paints and other protective materials according to directions.



ADMIRALS VISIT VX-5 — Two of VX-5's senior commanders visited China Lake last week for organizational briefings and a tour of facilities. In the left photo, RAdm. R. H. Blunt (left), Commander, Operational Test and Evaluation Force, examines a laser seeking bomb with Capt. L. E. Giuliani, VX-5 Commanding Officer. In the lower photo, RAdm. R. C. Mandeville (right), Commander, Light Attack Wing, Pacific, was present when Lt. Marc Phillips, VX-5's A-7 Systems Officer, received a cup from Arnie Vang, the Vought Corporation's local senior representative, commemorating the lieutenant's 1,000 hours as a Corsair pilot. RAdm. Blunt is VX-5's operational commander, and RAdm. Mandeville is the squadron's administrative commander.



Ex-China Laker selected by U. S. Jaycees as one of 'Outstanding Young Men of 1978'

The former assistant head of the NWC Test and Evaluation Directorate for Administration, William K. Walden, has been selected by the United States Jaycees as one of America's "Outstanding Young Men of 1978."

Walden, who is now a program analyst for the Naval Material Command's Laboratory Operations Branch in Washington, D.C., left China Lake in the fall of 1975 after six years as a Center employee.

The annual Jaycee award recognizes the achievement and ability of men between 21 and 36 years old and their civic and professional contributions to the community, the state and the nation.

Walden was first employed at NWC in 1969 as a management analyst on the Central Staff, now the Office of Finance and Management. In 1971, he was selected for a one-year assignment in the Office of the Director of Navy Laboratories in

Washington, D.C.

When the Test and Evaluation Directorate was established here in 1973, he became its assistant head for administration and was instrumental in forming the new organization in accordance with the Department of Defense realignment of test and evaluation resources.

He left the Center in the fall of 1975 to accept a permanent position with the Director of Navy Laboratories.

Walden was nominated for the outstanding young man award by his alma mater, Brigham Young University. While at NWC, he served as bishop of Ridgecrest III Ward of the Church of Jesus Christ of Latter Day Saints.

During his four years with the Naval Material Command, he was also selected in 1977 for a one-year Congressional fellowship.

TD Award . . .

(Continued from Page 1)

Washington, D.C., and two major contractors. "As a consequence, it has resulted in a highly visible and pressure packed program," the head of Code 32 pointed out.

The response by Ripley-Lotee, O'Neil and Bowen, Schaniel noted, "was an extremely thorough and well implemented effort which resulted in a flawless launch and subsequent flight of an ASROC airframe using in-house NWC developed autopilot, propulsion and thrust vector control subsystems."

The missile's in-flight performance was a virtual image of the preflight CARCO table simulations, and all subsystems performed as predicted.

"Complimenting the technical achievement," Schaniel added, "was the fact that the program was completed within the original funding estimate, and within 14 months of the time approval was received to go ahead with the work."

Schaniel also observed that "maintaining this tight schedule now allows NWC an excellent opportunity to impact future vertical launch adaptation decisions."

Federal Women's Program award nominees announced

A capacity crowd is expected for the third annual awards banquet of the Federal Women's Program Committee at the Naval Weapons Center, which is coming up next Wednesday night, Oct. 18, at the Community Center.

A social hour starting at 6 p.m. will precede the serving of a prime rib dinner (catered by the Chief Petty Officers' Club). Entertainment during the dinner will include vocal selections by the Sweet Adelines chorus.

Because of the substantial interest shown in the Federal Women's Program (FWP), the committee charged with the responsibility for making the selections from among a group of 12 outstanding women employees and seven supervisors at NWC has had its work cut out for it.

RAdm. Harris To Present Awards

Introduction of the nominees who are in attendance will be followed by presentation of the awards by Rear Admiral William L. Harris, NWC Commander. RAdm. Harris and other special guests, including Orson Bean, featured speaker for the evening, will be introduced by Karen Altieri, FWP Coordinator at China Lake.

The FWP awards banquet provides one of the few opportunities NWC employees themselves have to recognize the achievements of their peers. Ms. Altieri said in commenting on the way in which the nominations for these honors are solicited.

The criteria for the Supervisor's Award calls for singling out people-oriented civilian or military supervisors (or former supervisors), who have been supportive of furthering the career goals of female employees in the work force at NWC.

Other Award Criteria

In addition, in order to be eligible for consideration as a recipient of the Supervisor's Award, an individual must have demonstrated task assignments or job restructuring which provided career growth for women employees based on their ability or potential.

Nominees for the Supervisor's Award are:

Dr. James T. Bryant, head of the Applied Science Branch in the Ordnance Systems Department; three Weapons Department employees — Jay Bornfleth, acting head of the RPV Technology Branch, Paul B. Homer, head of the Weapons Synthesis Division, and Larry L. Lincicum, head of the Systems Definition Branch; and three Technical Information Department employees — Frances A. Fisher, associate head of the Information Science Division,



FED'L WOMEN'S AWARD NOMINEES — From this group, five women employees will be singled out to receive Federal Women's Awards on the evening of Wednesday, Oct. 18. The nominees are (front row, l.-r.) Patty Graham, Ina Martinez, Sharon Ballenger, Juanita de Ham, Elizabeth Wilkie and Marcia Daly. Those in the back row are (from left) Virginia Davis, Estella Paine, Marge Cowley, Jean Amundson, Peggy Placnik, Catherine Doyel and Frances Fisher. The latter is one of seven candidates for the Supervisor's Award. —Photo by Ron Allen

Barbara K. Manley, head of the Composition and Layout Branch, and Donald K. Moote, head of the Presentations Development Branch.

The nominees for the Federal Women's Awards must be presently employed civilian or military women who have been working at NWC for at least one year, and who have made significant contributions to the Center's mission or to a specific program or project.

These efforts need not be limited to a technical area, but may have been in administration, management, logistics, budget, or any other vital support area. Additionally, contributions may have been made outside of the nominee's regular duties or career series.

Those nominated for the Federal Women's Awards are:

Jean Amundson, an administrative officer, Code 395; Sharon Ballenger, manager of the Personal Property Office (Code 2594); Marge Cowley, division head secretary, Code 3260; Marcia Daly, mathematician, Code 3314; Virginia Davis, clerk-typist, Code 381; Catherine Doyel, department secretary, Code 12; Juanita de Ham, clerk, Code 3602; Patty Graham, management assistant, Code 6202; Ina Martinez, secretary, Code 623; Estella Paine, administrative assistant, Code 24101; Peggy Placnik, head of staff, Code 6102, and Elizabeth Wilkie, librarian, Code 2336.

Tickets for the banquet, which are priced at \$8 per person, may be ordered until noon on Monday by calling the Equal Employment Opportunity Office, NWC ext. 2358 or 2738, or may be purchased from any member of the Federal Women's Program Committee.

Orson Bean, the guest speaker of the evening has, for six years, been a panelist on the television game show "To Tell the Truth." He also has appeared regularly on the Johnny Carson Show and is a frequent guest of TV personality Merv Griffin.

In addition he has been at various times, a night club comedian, a professional magician, a producer of avant garde off-Broadway plays, and the director of an experimental school for children. Also an author, his best-known book, "Me and the Orgone" is being reprinted this month.

"Confessions of a House Husband" is the title he has chosen for his talk here next Wednesday night.

Supervisor's Award Candidates*

*No photos available of others

Dr. James T. Bryant Jay Bornfleth Barbara K. Manley Donald K. Moote

Retired Military Personnel Seminar slated Oct. 19

A Retired Military Personnel Seminar will be held at the Naval Weapons Center on Thursday, Oct. 19, at 7 p.m. in the Cactus Room of the Community Center.

More than 1,400 letters have been mailed to retired Navy and Marine Corps personnel inviting them to the meeting which is designed to bring retirees up-to-date on the latest information concerning benefits and changes to the retirement system.

OSCS G. L. Gillen, the Command's Career Counselor, said he believes that more than the 1,400 or so address labels of retired personnel received from the Navy Finance Office in Cleveland, Ohio, may not be representative of the total number of retirees living in Indian Wells Valley.

He said that he believes a greater number of persons eligible to attend the seminar live within the NWC's geographic scope of responsibility in administering the Secretary of the Navy's retired Navy personnel seminars.

The seminar is open to all Navy retired and Fleet Reserve personnel who are not on

Congress passes Civil Service reform measures

Civil Service reform measures that are a key provision of President Jimmy Carter's plan to reorganize the U.S. Civil Service Commission and to consolidate Federal labor relations functions into a single agency were passed last Friday by the House of Representatives.

Two days earlier, the U.S. Senate had taken similar action, and the 365 to 8 vote by the members of the House of Representatives cleared the way for sending the Civil Service reform bill to the President's desk for signature.

The measure is designed to emphasize performance over seniority in determining whether a federal worker gets a raise or promotion and to make it easier to weed out non-performers.

The bill, a compromise between versions passed earlier by the House and Senate, establishes a Senior Executive Service of top executive branch managers. They will trade some job security for higher pay and a chance to earn merit rewards for outstanding performance.

The New Office of Personnel Management will carry out the federal government's personnel management responsibilities and advise the President on personnel policy matters. The Merit Systems Protection Board will be an independent agency responsible for safeguarding merit systems against partisan political and other abuse, and protecting employee rights within those systems.

The plan also creates the Federal Labor Relations Authority to replace the Federal Labor Relations Council and other organizational components of the government's labor-relations program. This will bring now-scattered elements into one independent and neutral body with full-time responsibility for administering this program.

According to Alan K. Campbell, Chairman of the Civil Service Commission, the plan "will enable the President to dissolve the outdated Civil Service Commission and replace it with a single-purpose, single-headed Office of Personnel Management to set tough and progressive performance standards for all Federal employees."

Referring to the three-member Merit Systems Protection Board and the position of Special Counsel within the board to investigate prohibited personnel practices, Campbell stressed they will be "truly independent of political control (in order to) protect employee rights and block political abuse of the merit system."

Provisions of the President's plan to reorganize the U.S. Civil Service Commission will be put into effect on or before Jan. 1, 1979.

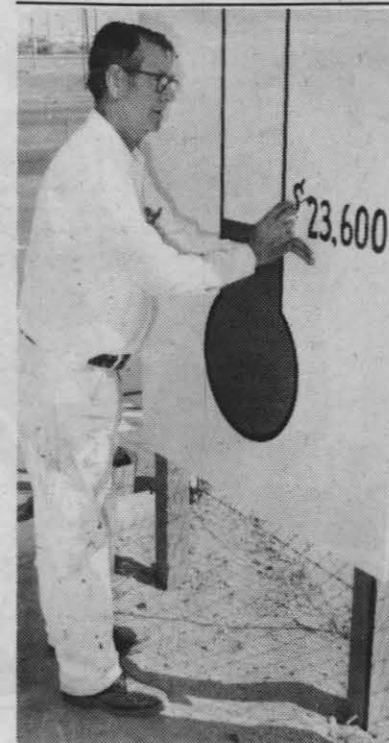
Policy regarding passes and identification cards will be covered by Estella Paine, associate head of the Police and Security Operations Division. Next, Roe Darnell, director of Cerro Coso Community College instructional services, will talk on veterans' educational benefits and local veterans' counseling services.

The Navy Exchange Officer, Ltjg. R. J. Boyd, and the Commissary Store Officer, MCPO J. D. Holly, will give presentations, as will Sharon Smith, the Branch Medical Clinic's CHAMPS advisor.

In addition, problems affecting the retired community will be discussed, and retirees may comment on items of concern to them.

Persons attending from out of town who plan to remain overnight should make reservations with one of the motels in Ridgecrest.

Although space is limited at the seminar, it is open not only to retired Navy and Marine Corps personnel but to retirees of other branches of the Armed Forces as well.



GOOD START — Phil Hosmer, a Public Works Department sign painter, brushes in the results of the first three days of the Combined Federal Campaign at NWC. This year's fund drive goal is \$120,000. As of this Wednesday, the total was nearly \$43,000.



COMBINED FEDERAL CAMPAIGN

Percentage of Participation
as of Wednesday, Oct. 11, 1978
Total amount: \$42,678

Code	00	03	08	09	12	21
Pct.	19	91	16	62	79	36
Code	22	24	25	26	31	32
Pct.	26	—	20	12	—	—
Code	33	35	36	38	39	61
Pct.	25	23	17	—	20	—
Code	62	94	95	96	97	VX-5
Pct.	—	—	—	—	—	22

Naval Weapons Center sets \$120,000 as 1979 Combined Federal Campaign goal

Contributions support 17 local agencies

AMERICAN NATIONAL RED CROSS - 1a
Last year's funds provided safety service equipment for the Indian Wells Valley, materials for a water safety program and first aid classes, and services to veterans.

BOY SCOUTS OF AMERICA - 1b
CFC funds last year supported our local professional scout executive (salary), services to District from Scout Council, and training of volunteer leaders for over 850 Scouts, Cubs, and Explorers in the Indian Wells Valley.

CAMPFIRE GIRLS - 1c
Indian Wells Valley funds are used to enhance adult leadership in this "laboratory of living" through recruitment, training, encouragement, guidance, special events, and camp experiences.

CHILDREN'S HOME SOCIETY - 1d
With last year's funds, this society arranged adoptions and provided pregnancy counseling and assistance in the local area, and secured temporary foster homes for children in emergency situations.

CHILDREN'S HOSPITAL OF LOS ANGELES - 1e
Last year this hospital provided numerous outpatient clinic visits and several hospital admissions for children from China Lake and Ridgecrest.

CHINA LAKE MOUNTAIN RESCUE GROUP - 1f
Last year's CFC funds bought rescue equipment, supported costs of search and rescue operations in desert and High Sierra, and defrayed costs of mountaineering safety classes.

DESERT COUNSELING CLINIC - 1g
The Clinic offers a wide range of community counseling services and enrichment opportunities, such as parent growth and education about addictions, both substance and behavioral. The Clinic also offers training in communications skills.

GIRL SCOUTS OF AMERICA - 1h
Funding provides support for professional consultants working with adult volunteers in recruitment and maintenance of troops, and provides materials and services from the Council Service Center.

HOMEMAKER SERVICE OF INDIAN WELLS VALLEY - 1i
Last year this service provided many hours of home care to the elderly, a unique family service assisting families with handicapped and elderly members.

INDIAN WELLS VALLEY ASSOCIATION FOR THE RETARDED - 1j
This association promotes the general welfare of mentally retarded children and adults by providing a variety of educational, recreational, and training programs, including the Activity Training Center.

LEGAL AID OF INDIAN WELLS VALLEY - 1k
For those who are financially needy and have severe legal problems, Legal Aid of Indian Wells Valley offers assistance to help alleviate the heavy burden of legal costs and to help direct clients to appropriate agencies.

ONE-TO-ONE PROGRAM - 1l
Last year the program provided 18 children with one-to-one and group experiences with caring adults, including monthly outings such as golfing, camping, and visiting local points of interest.

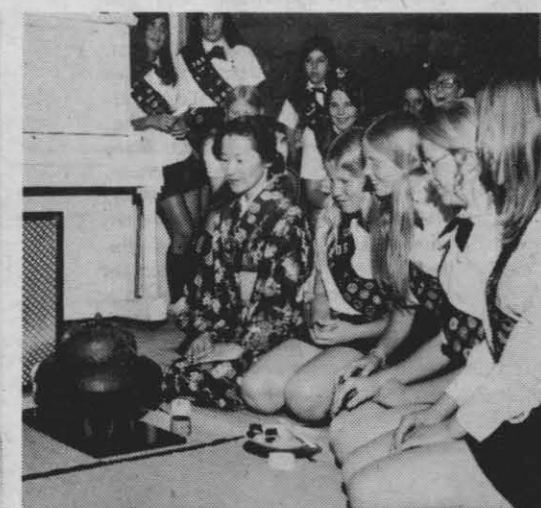
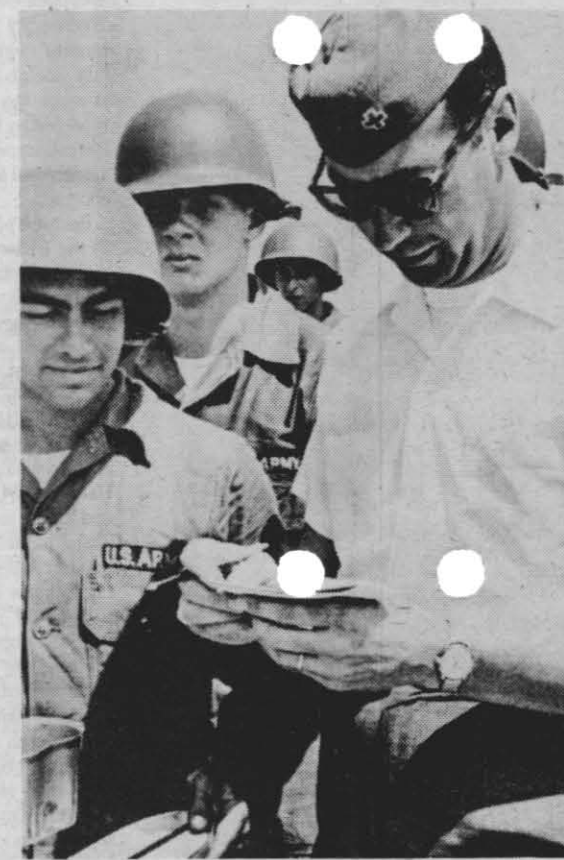
SALVATION ARMY - 1m
The program provides emergency aid in the community, including food, lodging, medical assistance, transportation, and transient aid. Statewide programs offer assistance to unwed mothers, alcohol rehabilitation, and prison visits.

UNITED SERVICE ORGANIZATION (USO) - 1n
This organization provides a home away from home for military personnel.

PROBLEM PREGNANCY ASSISTANCE - 1o
Problem Pregnancy Assistance provides counseling and referral for pregnant girls and women, promoting community awareness of the epidemic proportion of teenage pregnancies and the need for preventive education.

COUNSEL ON ALCOHOL AWARENESS (CAA) - 1p
CAA provides educational programs and information on alcohol abuse to members of the community, including junior high and high school students. An information and referral service is being implemented to assist those with alcohol-related problems.

TRAVELER'S AID - 1q
Traveler's Aid assists individuals and families with personal, psychological, and situational problems related to movement within the United States and abroad.



LOCAL AGENCIES BENEFIT — Seventy-five percent of the money contributed to the Combined Federal Campaign supports local agencies in Indian Wells Valley and Kern County. These include the Red Cross (left), Girl Scouts (above) and Salvation Army (right). Fourteen other organizations benefit from these undesignated gifts. When contributions do not specify the organizations a donor wishes to support at the exclusion of others, another 15 percent of the donation goes to the National Health Agencies and the remaining 10 percent to the International Service Agencies listed on these pages. Contributors may designate specific agencies to receive their contributions by indicating the organizations by code number on their pledge cards.



HEALTH AND DISEASE RESEARCH — Money donated to the agencies supported by the National Health Agencies goes for research into the causes of

Donations benefit health, disease research

AMERICAN DIABETES ASSOCIATION - 2a
The ADA sponsors public, patient, and professional education and supports major research projects aimed at care, control, and a cure for the nation's 10 million diabetics.

ARTHRITIS FOUNDATION - 2b
Arthritis afflicts 20 million children and adults in America. The Arthritis Foundation leads the attack on this widespread crippling disease through research, treatment, and education.

CYSTIC FIBROSIS FOUNDATION - 2c
Established in 1955, this foundation supports both research to conquer cystic fibrosis, and medical care for its victims and all children affected by lung-damaging diseases.

KERN COUNTY HEART ASSOCIATION - 2d
This association is dedicated to reducing premature death and disability from heart attack, stroke, and related diseases through research, education, and community service projects.

KERN UNIT, AMERICAN CANCER SOCIETY - 2e
This society fights cancer through service and rehabilitation for local patients and their families, research to find cures, and education to save lives by early detection and proper treatment.

NATIONAL ASSOCIATION FOR RETARDED CITIZENS - 2f
This association provides a training center for retarded citizens to learn crafts and trades, music, arts and crafts, and recreational activities according to the needs and abilities of each individual.

MARCH OF DIMES - 2g
The MCD seeks the prevention of birth defects, the nation's major child health problem, through support of research, improved maternal and infant health care, and genetic services

diseases that cripple (photos upper left), cancer research (photos upper right), and the search for ways to conquer heart disease (right below).

Donations benefit health, disease research

including investigation of sickle cell maladies.

MUSCULAR DYSTROPHY ASSOCIATION - 2h
The association supports worldwide research and provides free services to those afflicted by the dystrophies, myositis, amyotrophic lateral sclerosis, and other spinal muscular atrophies.

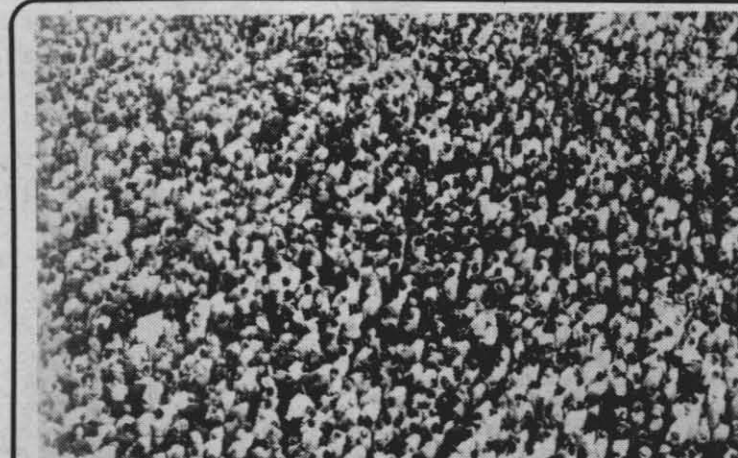
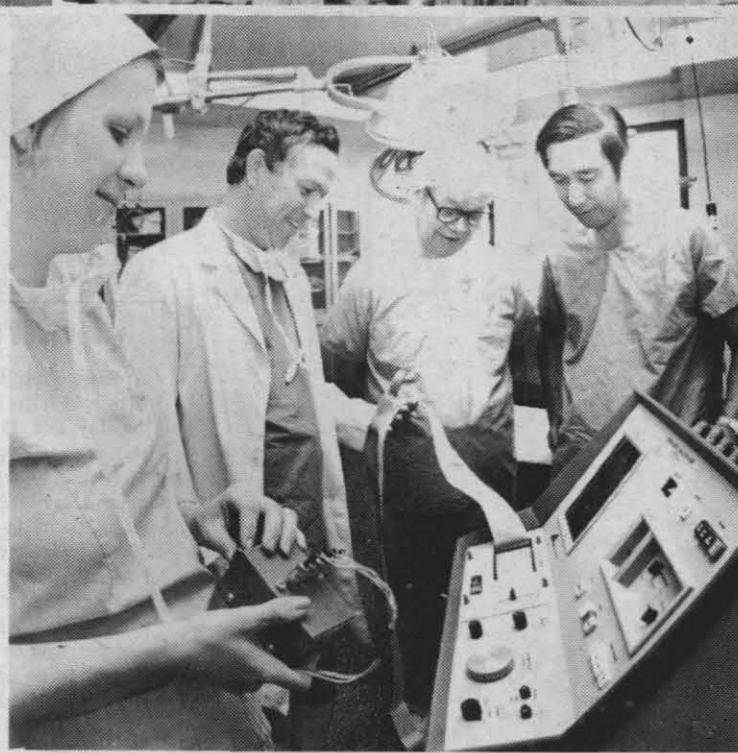
NATIONAL ASSOCIATION FOR MENTAL HEALTH - 2i
This association and its more than a million volunteers are at work at the national, state, and local levels fighting mental illness, promoting mental health, and striving for better community services.

NATIONAL KIDNEY FOUNDATION - 2j
The foundation is seeking the answer to kidney disease—detection, treatment, and cure—through research, public and professional education, and service to patients.

NATIONAL MULTIPLE SCLEROSIS SOCIETY - 2k
This society supports worldwide research into the cause, prevention, and cure of MS. Chapters conduct community and patient service programs. Approximately 500,000 Americans, mostly between ages 20 and 40, are afflicted with MS and related diseases.

NATIONAL SOCIETY FOR THE PREVENTION OF BLINDNESS - 2l
Founded in 1908, this is the oldest voluntary agency nationally engaged in the prevention of blindness through a comprehensive program of community services, public and professional education, and research.

UNITED CEREBRAL PALSY - 2m
This agency's 300 state and local affiliates provide services to the disabled and their families, guide the public in preventing cerebral palsy, and support research and professional training.



INTERNATIONAL NEED — Project Hope (left) brings real hope to thousands of the world's nutritionally-deficient children, while CARE (right) feeds the starving throughout the world and helps them to help themselves. The race against over population is one we cannot lose, and Planned Parenthood (above) provides the means to help reduce the odds against mankind in the struggle to keep the earth's population within bounds.

Int'l organizations attack world's problems

INTERNATIONAL HUMAN ASSISTANCE PROGRAM - 3a
This program helps destitute people in developing nations to help themselves through programs in health care, food production, nutrition education, and community and human resource development.

CARE - 3b
CARE helps millions of desperately poor families in 38 countries to survive and work toward self-support through feeding, agricultural, school, water, medical programs, and disaster aid.

INTERNATIONAL RESCUE COMMITTEE (IRC) - 3c
IRC is America's leading nonsectarian agency helping refugees who escape from dictatorships.

PLANNED PARENTHOOD—WORLD POPULATION - 3d
This organization helps control population growth problems through its worldwide programs. Family planning programs contribute to improved living standards and help many families lead more fulfilling lives.

PROJECT HOPE - 3e
In developing areas at home and abroad, Project HOPE professionals train counterparts who in turn teach others to meet health needs of their own people.

SAVE THE CHILDREN - 3f
This organization fights the most crippling of all childhood diseases—poverty—through community-based self-help programs in health, nutrition, agriculture, and education.

