

Annual cookie sale launched today by local Girl Scouts

Girl Scouts of the Joshua Tree Council begin their annual cookie sale today. Orders will be taken from now through Jan. 23 for cookies or crackers to be delivered in March.

Members of Girl Scout and Brownie Troops will be making the rounds of their neighborhoods to take orders. Available this year, at \$1.50 a box, are chocolate chip, chocolate vanilla creme, Savannah, scot teas, and chocolate mint cookies. Cheddarite crackers will also be sold.

Profits from the cookie sales will be used for the improvement of camping sites and for the Girl Scout camping program. Girls will be able to earn gift certificates that will apply toward the cost of attending summer camp.

A special weekend camp-out will be held in Haskell Canyon in May for Girl Scout troops from throughout the area that do the best sales job.

Local residents who are not contacted at home may make arrangements to purchase cookies or crackers by calling Donna Stratton at 375-9613.

'Desert Kaleidoscope' topic at Officers' Wives Club meeting

Tilly Barling, head of the Natural Resources Management Office in the NWC Public Works Department, will be the guest speaker at the first luncheon meeting of the new year to be held by the Military Officers' Wives Club.

The meeting will take place on Tuesday, Jan. 24, at the Commissioned Officers' Mess, and husbands of members are invited to attend since Mrs. Barling's talk, entitled "Desert Kaleidoscope," is of general interest.

A social hour, starting at 11 a.m., will precede the Mexican buffet luncheon that is to be prepared, and the talk by Mrs. Barling will begin at noon.

Reservations should be made by Friday, Jan. 20, with cancellations by Monday, Jan. 23. Reservations may be made by calling Jeanne Davis, at 446-2288, or Polly Blum, at 446-5297. The Test and Evaluation Directorate wives are hostesses for the luncheon.

Oriental dinner planned to raise funds for additional TV channel

Preparations for an oriental dinner to raise funds for the installation of a translator to provide local reception of Los Angeles TV channel 22 are entering their final phase.

Channel 22 broadcasts movies, cultural programs, and children's shows in



Oriental Dinner Planned — Janet Ikenoyama samples rice, a staple of the oriental diet, which will be served in abundance along with dozens of other kinds of oriental foods at a fund-raising dinner on Feb. 17 at Joshua Hall on the Desert Empire Fairgrounds.



DECISIONS, DECISIONS—Capt. F. H. M. Kinley, NWC Vice Commander, tries to decide which of the three Scouts (l. to r.) — Wendy White, Kim Munsinger, or Christy White — will get his order for Girl Scout cookies. Local Brownie and Girl Scouts will start taking orders today for cookies to be delivered in March.

Don Stanton elected president of local TV, FM Booster group

Preparations for a new year of providing maintenance, operation and possible improvements to the local TV and FM radio booster system were initiated last week by the election of a new slate of officers to direct the activities of the Indian Wells Valley TV Booster, Inc.

Don Stanton, a supervisory electronics technician in the NWC Range Department's Range Support Branch, was elected to serve as president of the board, succeeding Bob Fletcher, who will continue as a consultant to the board. Other officers for 1978 are Dan Ryan, vice-president; Gene Schneider, secretary, and Mike Ripley, who was re-elected to another term as treasurer.

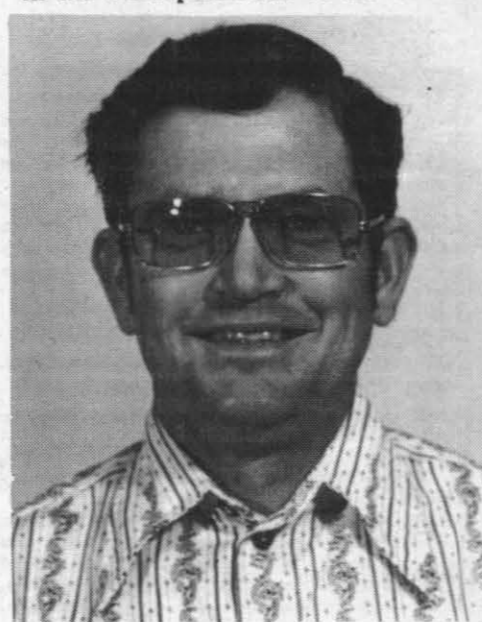
Stanton's first official act as president of the board of directors of the IYW TV Booster, Inc., was to appoint a group of committee chairmen and members. They are:

Jim Rieger, to serve as liaison between the IYW TV Booster, Inc., board and the Federal Communications Commission, the Bureau of Land Management, and NWC.

Dick Mahan and Henry Weisbrich have been named the TV Booster's community

liaison representatives. The operations committee, which handles the maintenance and installation work on the TV-FM radio booster system, is composed of Stanton, Rieger and Ryan, while Lita Reid is chairman of the ways and means committee.

Those assigned to work as a publicity committee are Mrs. Reid, Miss Schneider and Mahan. According to Fletcher's first year report on the accomplishments of the IYW TV



Booster, Inc., membership donations brought in nearly \$9,000 and another \$5,000 was contributed by the Sierra Sands Unified School District (\$4,000) and the Kern Community College District (\$1,000) for use in purchasing a new translator that was needed to bring Channel 28, a Los Angeles area public service station, programs to the local area.

Knocked Out by Lightning The new translator was needed to replace a makeshift translator that was put into service when lightning destroyed the old translator previously in use.

At the present time, Fletcher noted, Channel 22 is being relayed to the Indian Wells Valley on an experimental basis pending the purchase of a translator. Raising money for the purchase of a new translator for Channel 22 is the goal of a fund-raising dinner that will take place on Feb. 17 at Joshua Hall.

Less than \$3,000 of the \$5,000 budgeted for maintenance was spent in 1977, Fletcher said. The new translator for Channel 28 and other equipment cost about \$10,000, which left \$4,000 for the TV Booster system to begin the new year with.

Currently under way is a membership renewal campaign for 1978. TV Booster membership dues of \$5 a person are now due and payable. Checks made payable to "TV Booster" should be sent to TV Booster, P.O. Box 562, Ridgecrest, CA 93555.

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

Regular starting time—7:30 p.m.
Program subject to change without notice.
For further information call NWC ext. 2259

FRIDAY 13 JANUARY

"SUMMER SCHOOL TEACHERS" (107 Min.)
Candice Rialson, Pat Anderson, Rhonda Hopkins (Action-Comedy) Rialson, Anderson and Hopkins are exuberant midwestern girls pursuing teaching careers at a summer session of a Los Angeles high school. (R)

SATURDAY 14 JANUARY

"SUPERVAN" (113 Min.)
Mark Schneider, Katie Saylor (Action-Drama) Mark Schneider leaves his father's service station and heads out of town in his van for the annual "Van Freakout" and a chance to win \$5,000. He contacts Tom Kindle, sponsor of the competition and a builder of vans. Kindle has built one of his own and equipped it with solar power. Schneider drives Kindle's "Supervan" in the "Freakout" and wins. (PG)

SUNDAY 15 JANUARY

"A BRIDGE TOO FAR" (176 Min.)
Dirk Bogard, Sean Connery (War Drama) The allies elect to follow Field Marshall Montgomery's plan in an attempt to invade Germany by way of Holland and face overwhelming odds in September 1944, following D-Day. Leaving the British forces behind the scenes, Lt. Gen. "Boy" Browning (Bogard) briefs the men who will lead the actual attack. Major General Urquhart (Connery) is an influential force in what was the largest airborne assault in history. An attempt to hold the bridge is cut off and the allies are defeated. (PG)

WEDNESDAY 18 JANUARY

"I NEVER PROMISED YOU A ROSE GARDEN" (114 Min.)
Kathleen Quinlan, Bibi Anderson (Drama) Following a suicide attempt, teenager Quinlan is taken to a large state psychiatric hospital. The girl is schizophrenic and is convinced that everyone she touches is poisoned. Psychiatrist Anderson wins Quinlan's confidence and learns of her childhood traumas, along with her inability to feel pain during her repeated self-mutilation. When a cruel attendant is fired and commits suicide, Quinlan is jolted out of her self-insulation. She realizes she can feel pain when she burns her arm with a cigarette. This is her signal of re-entry to reality and hope for the future. (R)

FRIDAY 20 JANUARY

"SWEET REVENGE" (89 Min.)
Stockard Channing, Sam Waterston (Comedy Drama) Seattle is Stockard Channing's playground as she nimbly steals cars and pursues her dreams of owning an expensive Ferrari. She overhauls an old Volkswagen with parts from one that was stolen, and plans to resell and re-steal the car until she has enough money for the Ferrari. She's arrested and set free by the public defender, Sam Waterston. She's beaten by her boyfriend, who operates out of his car "Sweet Revenge." He supplies keys for auto thieves, and helps Channing elude police before he is killed in a crash. (PG)

SATURDAY 21 JANUARY

"THE TOWN THAT DREADED SUNDOWN" (90 Min.)
Ben Johnson, Andrew Prine (Action-Horror-Drama) This film is based on a series of gruesome murders that rocked a small Texas-Arkansas border town back in the 40s and drew nationwide media coverage. The citizens of Texarkana are gripped with fear over the sadistic nighttime slayings of parked lovers by a madman who terrorizes his male victims to near-death and then turns his murderous attention to the females. Despite the number of police who take part in the manhunt, the killer (armed with club, gun and knife) strikes again and again. He manages to elude his pursuers, disappears into the swamps and, as the tale has it, may still be stalking the land. (R)

★ U.S. Government Printing Office: 1978-108

From: _____ PLACE STAMP HERE

To: _____



ADI Garry Walker

Bluejacket of Month honor goes to Walker

"In addition to the daily demonstration of outstanding leadership, resourcefulness and administrative ability, Gary has that one unique quality so necessary to be a superb supervisor — common sense" is how his supervisor characterizes the Naval Weapons Center's Bluejacket of the Month for December, Aviation Machinist's Mate 1st Class Garry Walker.

ADI Walker, who is in charge of the Power Plants Shop, is involved in work on maintenance of the various squadron aircraft.

His supervisor, ADC Joseph B. McClain, notes in a letter of commendation that ADI Walker has been instrumental in reducing down time for aircraft awaiting maintenance through "his judicious use of maintenance manuals coupled with ingenuity and determination to complete any and all tasks assigned in a professional manner."

ADI Walker is a native of Chicago, Ill., where he was graduated from Harrison High School. He joined the Navy a year later, following a stint of construction work, because he wanted to travel. More than half of the 11 years of his Navy career have been

(Continued on Page 3)

Major 3-year program in optics research, development to be managed by scientists here

By Mickey Strang

The Defense Advanced Research Projects Agency (DARPA) has chosen the Naval Weapons Center to manage a major three-year optics research and development program. The primary objective of this program is to develop in industry the capability to produce optical components for pulsed excimer lasers.

NWC was selected to manage this program because of the expertise of local scientists working in the laser optics field and because of the unique facilities at the Center.

This combination of laser optics expertise and facilities had already attracted much attention. For instance, last year 21 companies, four universities and six other government agencies contracted with NWC to provide specialized measurements of optical components.

Main Thrusts of First Year

The main thrusts of the first year of the DARPA project are to determine the state-of-the-art in industry in producing ultraviolet (UV) and visible laser optics—mirrors and windows—and to commence a laser component improvement program. Ultraviolet laser performance is limited by the amount of light absorbed by mirrors and windows and by how much light is scattered by minuscule imperfections in both the mirrors and the windows.

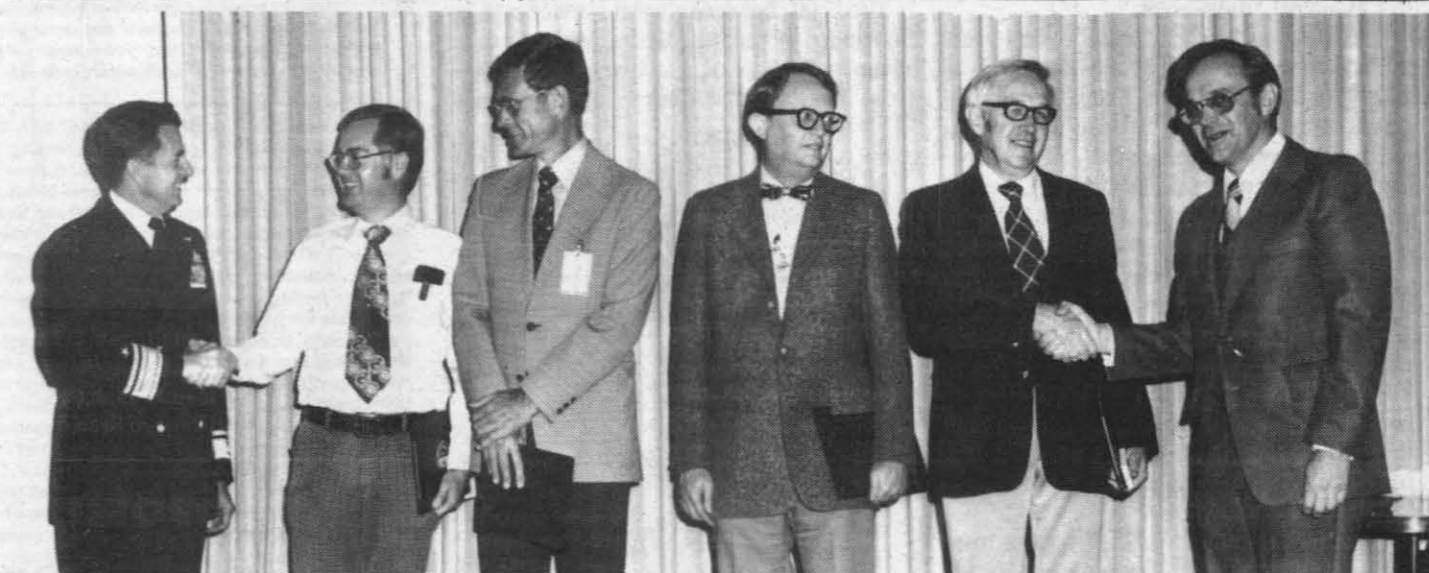
Because a laser window can be affected by the intense light shining through it and a mirror by the intense light it reflects, limitations for both of these components must be determined.

Each mirror and window material



Naval Weapons Center
China Lake
California

January 13, 1978
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MICHELSON LAB AWARDS PRESENTED — During a luncheon that was attended Monday by a capacity crowd in the Mojave Room of the Commissioned Officers' Mess, the four latest recipients of the Michelson Laboratories Award were honored. The awards were presented by Rear Admiral William L. Harris (at left), NWC Commander, following introduction of the honorees and comments on their accomplishments by R. M. Hillyer (at right), NWC Technical Director. Those singled out for this special distinction are (l. to r.), Bernard F. Connolly, Richard V. Boyd, Robert F. Rowntree and Everett K. Jenne.

4 Centerites receive Michelson Lab award

The presentation of Michelson Laboratories Awards to four Naval Weapons Center employees highlighted a luncheon held on Monday at the Commissioned Officers' Mess. The latest recipients of this award are Richard V. Boyd, Bernard F. Connolly, Robert F. Rowntree, and Everett K. Jenne.

The awards, which consist of a certificate and an engraved key, were presented by Rear Admiral W. L. Harris, NWC Commander, and R. M. Hillyer, Technical Director. This special honor is designed to recognize outstanding individual administrative and professional excellence, or technical excellence based on singular effort in the performance of individual

duties. The Michelson Laboratories Award is complementary to the Center's highest award — The L. T. E. Thompson Award.

Boyd received this award "for his outstanding work in establishing the Naval Weapons Center as the lead laboratory for Naval Strike Aircraft Systems integration and software development, which puts NWC in a firm leadership position in the field of attack and fighter aircraft systems integration and support." He also was commended for his excellent leadership abilities, both as Associate Department Head, and as acting head of the Systems Development Department.

Boyd is the acting Assistant Technical

Director for Development (Systems) and acting head of the Systems Development Department. He first came to NWC in 1961 as a mechanical engineering aid in the Methods Development Branch of the Materials Engineering Division, Design and Production Department. He went from there to spend six years in the old Rocket Department.

While with the Rocket Department, his ability was recognized by regular promotions, and he transferred to the Weapons Development Department (now called the Systems Development Department) as an electronic engineer in 1968, where he continued to progress upward through the organization.

BASIS for Award

Connolly was cited "for his outstanding individual analytical achievements in the planning, organizing, development, and execution of the study for the relocation of the National Parachute Test Range consolidation with the Naval Weapons Center. By his example of work and excellence in analytical ability, he has personally set a model of peer excellence which has been a stimulus to his colleagues and brought special credit and recognition to the Center," it is stated on the citation which he received.

Connolly is a financial manager and deputy head of the Office of Finance and Management. He came to NWC in 1964 and participated in the Administrative Management Intern Program. After his tour with the program, he went to work for the old Central Staff, where he spent five years as a management analyst before being transferred to the old Weapons Development Department as an administrative officer.

Spent Year in Washington

Connolly then spent a year with the Director of Navy Laboratories in Washington, D. C., and upon his return to China Lake began work as a staff assistant with the Strike Systems Directorate and Systems Acquisition Office. He later left that office to rejoin his original group — now the Office of Finance and Management. Connolly has a BA degree in English Literature from Loyola University and a master's degree in Public Administration from the University of Southern California.

Dr. Rowntree's award was "for his outstanding effort and expertise in reviewing and relating planning and policy documents (both from the Congress and the Department of Defense) to the operational (Continued on Page 4)



CAREFUL, NOW! — Joe Shaffer, head of the NWC optics shop, makes a delicate adjustment to a piece of equipment. Much of the work in the optics shop calls for a very deft and gentle touch as well as patience. While the grinding and polishing of some mirrors and lenses, for instance, can be accomplished within a few days, others take weeks — or even months — to complete. —Photo by Ron Allen

Martin Luther King memorial service to be held on Sunday

A memorial service commemorating the birthday of Dr. Martin Luther King, Jr., famous civil rights leader who was assassinated on April 4, 1968, will be held at 1 p.m. Sunday at the Union Baptist Church, 312 Mono St., Ridgecrest.

An anthem sung by the youth choir of the Union Baptist Church, and two more vocal solos by Mrs. Cubit — "My Burdens Away" and "Battle Hymn of the Republic" — also will be a part of the program.

The brief, but meaningful service will be concluded by the benediction, which is to be given by the Rev. R. L. Oliver, pastor of the True Love Baptist Church of Ridgecrest,



Dr. Martin Luther King, Jr.

The presence of special guests at the memorial service will be acknowledged by ADAN Thelma Jones, a Navy woman who is assigned to the Commissary Store at NWC. Highlighting the memorial service in honor of the late Dr. King will be tributes to the well-known civil rights leader that will be presented by Rev. Turner and the Rev. Thomas H. McPhatter.

The latter is a Presbyterian minister who served with the Marine Corps during World War II and as a Navy chaplain with the rank of lieutenant commander for 20 years (1954-74). At the present time, Rev. McPhatter, who has been a pastor, public administrator, consultant and chaplain, in addition to serving as a Navy chaplain, is a Civil Service employee in the San Diego area.

Class in Assertive Presentations will be taught Jan. 26-27

Applications are now being taken for enrollment in a course in Assertive Presentations that will be conducted from 8 a.m. to 4 p.m. on Jan. 26 and 27 in the Training Center.

The course, which is to be taught by Lynn Lacey, a personnel research psychologist, is designed for those who want to develop greater skill and comfort in making presentations.

Topics to be covered are identifying and reducing anxiety symptoms, thinking and its role in producing and reducing tension, rehearsal and coaching in developing skills, and methods of improving voice volume, eye contact and other non-verbal aspects of making presentations.

The course will include lectures, exercises and presentations by participants, who also will be coached on how to respond appropriately to critical questions.

Employees interested in attending this course must submit an NWC training request and authorization form via proper department channels in time for it to reach Code 094 no later than next Friday, Jan. 20.

Special dinner at COM

The Commissioned Officers' Mess will feature a special prime rib dinner for \$5.95 tonight from 6 to 10 o'clock. Also tonight, a local musical trio will entertain in the Plaque Rm. beginning at 6.

and the congregation and choir will join in singing "We Shall Overcome."

Help with arrangements for Sunday's memorial service has been provided by Grant Williams, the Center's Deputy Equal Employment Opportunity Officer.

This is the sixth year since the National Council of Black Churchmen, in conjunction with Mrs. Coretta Scott King (wife of Dr. King), and the Southern Christian Leadership Conference (in cooperation with the National Council of Churches) published a proclamation calling for Jan. 15 to be set aside each year as a holy day to commemorate and honor Dr. King and the principles for which he worked and died.

ASPA luncheon speaker to discuss Federal personnel systems changes being considered

Firsthand information on proposed changes in the Federal personnel system will be provided during a luncheon meeting of the East Kern County Chapter of the American Society for Public Administration (ASPA).

The meeting, which is open to all interested persons, will be held next Friday, Jan. 20, starting at 11:30 a.m. at the Commissioned Officers' Mess.

The speaker will be Ann M. Brassier, area manager of the Los Angeles office of the U.S. Civil Service Commission.

Fundamental changes in the federal personnel system that could affect all Civil Service employees have been proposed to Congress. These changes are the result of a study conducted by a team headed by ASPA President Dwight Ink.

Mrs. Brassier has been involved in the

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 supervisor 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-116C.

Quality Inspection, Specialist, GS-1960-5/6/7, PD No. 7626039N, Code 2622 — This position is located in the Facilities Service Contracts Branch, Public Works Department. This branch insures optimum completion of all maintenance and purchase service contracts, as well as all special inspection surveys of Center facilities. The incumbent is responsible for specifications inspections, and certification for payment on selected service contracts for facility upkeep. In addition, the incumbent is responsible for conducting special reviews in support of NWC housing facilities, fire/safety surveys, and other facility conditions with respect to building codes and Navy instructions. Job Relevant Criteria: Knowledge of defense contracting procedures; knowledge of functions to be administered; ability to apply good judgment in analyzing work to be accomplished by contractors; ability to negotiate with and direct contractors in the field.

Painter, WG-4102-7/9, JD No. 202N, Code 26442 — Prepares wood, metal, brick, and masonry surfaces for painting. Paints interiors and exteriors of all types of buildings and appurtenances. Paints guard rails, fences, barricades, towers, curbing, and tanks using brushes, rollers, and spray equipment. Blends colors, mixes paints and other protective materials according to directions. Job Relevant Criteria: Technical practices; instructions and specifications; ability to use and maintain tools and equipment of the trade; knowledge of materials; dexterity and safety; ability to do the work of the position without more than normal supervision.

Painter, WG-4102-7/9, JD No. 202N, Code 26442 (1 vacancies) temporary appointments not to exceed 1 year — Prepares wood, metal, brick, and masonry surfaces for painting. Paints interiors and exteriors of all types of buildings and appurtenances. Paints guard rails, fences,



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1015
Sunday School — All Ages 0900
Sunday School Classes are held in Chapel Annexes 1, 2, 4, (Dorrs 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 0700 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 1015
Sunday Pre-school & kindergarten 1115
Sunday seventh & eighth (Junior High) 1900
Above classes are held in the Chapel Annexes across from the former Center Restaurant.
Sunday evening Ninth thru 12th grades
As announced "In Home" Discussion Groups Youth Rallies
Contact Chaplain's Office for specifics.

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

Battle for first place tightens up in Premier League

The Elks Lodge keglers are continuing to hold a slim lead in the Premier Bowling League, following the resumption of action on Monday night at Hall Memorial Lanes. The Elks, who won two out of three games from the seventh place Ace Realty squad, are in a tight race for the league lead with Fisher Plastering, which is one game off the pace, and the Raytheon Sidewinders, who are 1 1/2 games out of first place.

High team game on Monday night was rolled by the Fisher Plastering keglers, whose 5-man total was 977, while the Hideaway squad posted the high team series of 2,869. Just three bowlers, led by Thad Brightwell's 634, topped the 600 series mark. In addition to Brightwell, they were Chuck Cutsinger (614) and Bill Osborne (605).

Premier League bowlers who had single game scores of more than 220 were: Chuck Rouland (233), Cutsinger (231), Dan Ryan and Osborne (226), Dick Furstenberg (225), Dan Carlson (224), and Brightwell (221).

Current standings in the Premier League are:

Team	Won	Lost
Elks Lodge	33	15
Fisher Plastering	32	16
Raytheon Sidewinders	31 1/2	16 1/2
Saddleback Sales	27 1/2	20 1/2
Hideaway	24 1/2	23 1/2
Pollock Construction	24 1/2	23 1/2
Ace Realty	24	24
Best Realty	19	29
The Place	16 1/2	31 1/2
King Max	8 1/2	39 1/2

Burros drop 2 . . .

(Continued from Page 6)
score 74-56 in favor of the Antelopes. Throughout the game, none of the taller players on the BHS varsity basketball team were able to score consistently or well, even though most of their shots at the basket were from close range.

Top scorer for the Burros was Dave Furstenberg with 12. He was the only player for Burroughs to get into the double figure scoring column. For the Antelopes, McCaughy's 23 points led the way, followed by Mike Tolliver, with 19, and Tom Richins with 10.

Rec Round-up . . .

(Continued from Page 6)
these events can be obtained by calling the Center gymnasium office at NWC ext. 2334.

Women's Exercise Dance Class
An exercise dance class for women will begin next Wednesday, Jan. 18, and be held from 7 to 8 p.m. in the old weight room at the NWC gymnasium. There is a fee of \$3 per person for this six week class, which is to be taught by Kelly Moulton.

Happenings around NWC

The Hanley Page Band, a 4-piece musical group from the Los Angeles area, will be playing for the dancing and listening pleasure of patrons at the Shuttle tonight and Saturday night from 9 until 1:30 a.m. The Shuttle announces the return of a hotline buffet lunch from 11 to 1 p.m., Monday through Friday, beginning Jan. 16. Dinner is served on Tuesdays, Wednesdays, and Fridays from 6 to 8 p.m. and there is also a special game night starting at 8 o'clock on Tuesday nights.

Ski Club Slates Party
The China Lake Ski Club will hold its annual "hot buttered rum" party for current and prospective members next Tuesday at 7:30 p.m. A \$1 fee will be charged to cover expenses. The meeting will be held at Ron Cohn's home, 711 W. Moyer St., Ridgecrest. Anyone seeking further information may call Cohn at his home telephone, 446-4320.

Employee in the spotlight

"He's a fireman's fireman, a super chief — and a super human being as an individual."

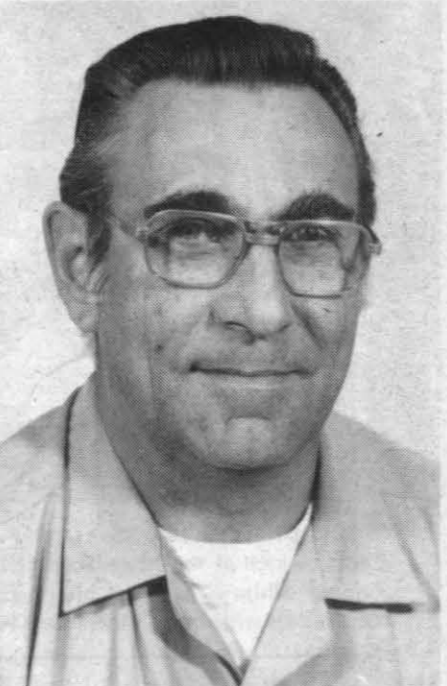
That's how William A. Pahl, Jr., Deputy Fire Chief for the Naval Weapons Center, is characterized by his supervisor, Fire Chief Bill Knight.

Bill Pahl retires this month after a distinguished career of 35 years of Federal service, including four years in the Navy.

His fire fighting experience has been unusually wide and varied. It includes serving as an engineer on a fireboat, expertise in fighting structural and crash fires, work with civilian fire groups in natural disaster emergencies fighting giant brush fires, and time spent as fire chief at the Naval Amphibious Base in San Diego before being drawn to China Lake by the research environment here.

Interested in R & D
Bill had worked on the tests qualifying the Navy's fire extinguishing agent — "light water" — while assigned to Miramar Naval Air Station in San Diego, but his main research and development interest has been in the development of new equipment.

As chairman of the Apparatus Committee for the Navy Firefighting Association, he developed the specifications for the design of a new structural fire fighting apparatus (a pumper truck to the rest of us.) He also contributed to the development of the fire fighting systems on the P-4A, the newest and finest aircraft fire fighting and rescue



William A. Pahl, Jr.

vehicle. This vehicle, according to Chief Knight, is the biggest step forward in equipment since the horse-drawn pumper became motorized. The first production model of this truck was received at China Lake in mid-summer 1976.

At China Lake, Bill has worked extensively with scientists and engineers who had special test problems. His mechanical engineering expertise as well as his ability to diagnose situations and anticipate dif-

ficulties before they arise have been equally in demand.

A native of Duluth, Minn., he was graduated from Central High in that city before moving to San Diego to work for Convair Aircraft Co. in 1941. It was to San Diego that he returned after his Navy service and that city was home to him and his family until his move to China Lake.

The family is his wife, Lois, daughter Mary, 31, and son David, aged 29.

Retirement Plans
Bill and Lois plan to live in San Diego when he retires. He notes that one of the first tasks facing him is overhauling a couple of tractors, and then "my wife's got an acre of weeds and I guess I'll have to pull'em in my spare time."

His hobbies, he adds, are actually golf, artistic metalwork, and woodworking. He's a wooden furniture maker, he says, the furniture being miniature size for dollhouses.

When asked how he chose his life work he chuckles and says "When I got out of the Navy I ran into a friend who said that he was a fireman — the kind that squirted water out of hoses — and that he thought it was something that I might like to do. I applied for a fireman's job, got it, and I've never regretted it. I've had a good time."

The sheaf of awards, commendations, and letters of appreciation that he takes with him indicates that the Navy has never regretted it, either.

Promotional Opportunities

(Continued from Page 2)
powered tools, and related equipment; ability to read and interpret blueprints, instructions, specifications, etc.

Laborer, WG-3902-3, JD No. 155-9N, Codes 2644 and 2445 (4 vacancies) — Performs manual labor incidental to the maintenance of buildings and grounds; loading and unloading of supplies and furniture, operation of power mowers, ditch digging, use of jackhammers, trash removal, providing assistance to journeymen, etc. Job Relevant Criteria: Reliability and dependability as a laborer; ability to follow directions; knowledge of related lines of work, equipment and tools; dexterity and safety; ability to do the work without more than normal supervision.

File applications for the above with Cathy Rivera, Bldg. 34, Rm. 210, Ph. 2022.

Electrician (Test Control Systems) Foreman, WS-2881-10, JD No. 757018E, Code 6212 — This position is located in the Ground Operations Branch, Range Department. Duties are to provide supervision to journeymen involved in the construction, modifications, operation and maintenance of sequence programming systems utilized for the control of experimental rockets, guided missiles, and ordnance testing. Job Relevant Criteria: Ability to supervise; ability to interpret instructions, specifications, etc.; knowledge of materials, pertinent tools and equipment in the trades supervised. File SF-172 and Supplemental Wage Grade Supervisory Information Sheet with Code 096 no later than Jan. 27, 1978. Forms may be obtained in Rm. 204 of the Personnel Bldg.

Quality Assurance Specialist, GS-1910-9/11, PD No. 7455063-2, Code 3482 (3 vacancies) — Applications will be accepted from NWC employees and status eligibles. This position is located in the Quality Assurance Branch, Product Assurance Division, Engineering Department. Incumbent participates in review of contractual quality assurance requirements of items for weapon and missile systems; reviews hardware drawings and documentation from a producibility, quality assurance and inspectability viewpoint; reviews results of tests, inspections, and reports; and reviews contractors quality programs. Job Relevant Criteria: Must have experience in production, manufacturing, inspection, and quality control of essential industrial technology and manufacturing process. Must have knowledge of standard sampling plans and procedures to evaluate statistical data and deficiency reports. Promotion Potential: GS-12.

Machinist, WG-3414-10, JD No. 149-4N, Code 36473 (2 vacancies) — Applications will be accepted from NWC employees and status eligibles. Positions are located in the Mechanical Prototype Branch, Engineering Prototype Division, Engineering Department. Duties include setting up and operating machine tools, including various types and sizes of lathes, boring mills, milling machines, shapers, planers, precision grinding machines, and specialized multi-purpose machines related to these. Makes complex set-ups and precise alignments of work pieces in machines. Performs precision handwork to fit, finish and assemble machined parts on bench or shop floor. Overhauls and repairs machinery. Follows blueprints, figures dimensions, selects and lays out appropriate metals to be machined, and shaping metals by use of hand tools. Job Relevant Criteria: Set up and operation of machine tools; trade theory and technical practices; shop drawings, layout work, and measuring devices; hand tools and fitting. Knowledge of the characteristics of and the ability to work with materials used in the machinist trade. Ability to do the work of the position without more than normal supervision. Promotional areas are Bldg. and may be picked up in Rm. 204 of the Personnel Bldg. Promotion Potential: WG-11.

Supervisory Technical Manuals Editor (General), GS-1083-12, PD No. 739651E, Code 3635 — This position is located in the Logistics Documentation Branch, Technical Data Division, Engineering Department. Position is responsible

for providing technical documentation production management and logistic/supply support management to the Engineering Department and other NWC codes. Includes planning, managing, and conducting quality assurance checks on technical manuals and provisioning documentation; directing and monitoring technical efforts of on-center and contract groups who prepare technical manuals, provisioning documentation and associated technical data and maintaining liaison with other Navy and Air Force commands on technical manuals, provisioning documentation and associated specifications. Directly supervises all branch personnel. Job Relevant Criteria: Broad knowledge of in-service data and logistics requirements. Broad technical knowledge of mechanics, electronics, explosives, aerodynamics and propulsion systems. Thorough knowledge of DoD, military and commercial specifications and demonstrated ability to interpret the requirements of the specifications. Promotion Potential: GS-13.

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

Ordnance Equipment Mechanic, JD No. 43B, WG-441-8/10, Code 62111 — This position is located in the Ballistics Test Branch, Quality Assurance Division, Range Department. Duties are to assemble, disassemble, modify, adjust, repair, service, and operate specialized ordnance equipment and test equipment used in the experimental and developmental evaluation of warheads, rockets, missiles, projectiles, high explosives, and ordnance related items. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repair, etc.; ability to use the tools and equipment of the trade, to use measuring instruments, to read, interpret, and apply instructions, specifications, and blueprints. Supplemental qualifications statement is required. Form can be picked up in Rm. 204, Personnel Bldg.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2925.

Electronics Engineer, GS-855-7/9/11, PD No. 7442017-2E, Code 6243 — This position is located in the Telemetry Division, Range Department. Duties are to design, develop, test, evaluate, document, and monitor procurement of advanced telemetry units. Job Relevant Criteria: Experience in solid state electronics in the airborne telemetry area, general knowledge of other fields such as chemistry, mechanical engineering, metallurgy, and thermodynamics.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2925.

Secretary, GS-318-4/5, PD No. 7439507, Code 354 — Incumbent is secretary to the head, Microwave Development Division, Electronic Warfare Department. Performs regular secretarial and typing duties. As secretary to head, Microwave Development Division, receives and screens all on and off-center visitors; maintains division head's calendar; receives, opens and screens all personally directed correspondence and prepares replies on routine and non-technical matters. Informs, instructs and coordinates secretarial help in subordinate offices in accomplishing the work of the division. Reviews all outgoing official division correspondence for conformance with Center and department procedures and policies. Job Relevant Criteria: Ability to type accurately and efficiently; knowledge of correspondence policies and procedures; experience working with written classified material; observed ability to exercise tactfulness and courtesy; ability to work independently. Applications will be accepted from both NWC employees and status eligibles. File applications for the above with Charlotte Siekowski, Bldg. 34, Rm. 204, Ph. 3118.

Mechanical Engineer, GS-830-11/12, PD No. 7432084/7445071, Code 3273 — This position is located in the Systems Technology Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent designs mechanical and insulative (thermal) components for propulsion systems, conducts internal ballistics analysis, plans and coordinates component and system test and evaluation, plans and schedules fiscal and

technical effort associated with area of responsibility, prepares written oral reports, and performs administrative duties associated with the positions. Job Relevant Criteria: Knowledge of propulsion systems and components; knowledge of pyrotechnics and explosive devices; demonstrated ability to plan and execute both technical programs and test-and-evaluation efforts. Ability to communicate correctly, both orally and in writing.

Aerospace Engineer, GS-841-12, PD No. 7445011-1, Code 3274 — This position is located in the Solid Propulsion Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent directs and coordinates the design and development of one or more major propulsion system components, either in-house or by contract, mathematically predicts performance or design parameters; exercises technical supervision over draftsmen and junior engineers; plans and evaluates tests of components; represents engineering team at meetings of contractors and other activities; and performs duties associated with project's personnel, fiscal, technical, and scheduling aspects. Job Relevant Criteria: Knowledge of solid propellant rocket motor design. Knowledge of pyrotechnic delay design. Demonstrated skill in interpersonal relationships (working harmoniously with others, facilitating compromise, directing work efforts of others); ability to communicate correctly and concisely, both orally and in writing.

Machinist, WG-3414-10/11, JD No. 278, Code 3272 — This position is located in the Explosives/Propellants Branch, Propulsion Systems Division, Ordnance Systems Department. Incumbent performs non-routine machine work in the manufacture of experimental rocket and missile motors, igniters, or their components. Jobs are typically unique, involving unusual machining problems which require the incumbent to design and manufacture the specialized tooling required to perform a specific job. Independently determines the type of machines, tools, and techniques to use. Plans sequence of operation, machine setups, etc. Job Relevant Criteria: Ability to set-up and operate machine tools; knowledge of trade theory and technical practices; ability to interpret shop drawings, accomplish lay-out work and use measuring devices; skill in use of handtools and in fitting operations.

File applications for the above with Mary Morrison, Bldg. 34, Rm. 210, Ph. 2925.

Procurement Clerk (Typing), GS-1106-4/5, PD No. 7725017N/7425039N, Code 3253 — This position is located in the Contract Negotiation Branch, Procurement Division, Supply Department. Incumbent types contracts, invitations for bids, Naval messages, etc.; assembles bid packages; maintains bid board; types travel orders and itineraries; and sends and distributes mail for the branch. Job Relevant Criteria: Typing proficiency; knowledge of procurement documents and procedures. Ability to work well under pressure, to meet and deal effectively with others, and to interpret instructions. Applications will be accepted from status eligibles. File applications for the above with Ginger Hamaty, Bldg. 34, Rm. 212, Ph. 2371.

Electronics Engineer, GS-855-11/12, PD No. 7439056E, Code 3925 — This position is located in the RPV Technology Branch, Weapons Development Division, Weapons Department. The branch performs synthesis, analysis design and development of advanced instrumentation control systems for aerial target development and tactical remotely piloted vehicles (RPVs). The incumbent will be given assignments in the design and development of the electronics and control systems aspects of drone target and RPVs. Job Relevant Criteria: Degree or equivalent in electronic design of digital and analog systems; experience in the design of automatic feedback control systems; proficiency in automatic control system designs, digital and analog circuit design, and familiarity with microprocessor technology; knowledge of common control and telemetry for remote control systems. File applications for the above with Marge Stanton, Bldg. 34, Rm. 206, Ph. 2723.

The Rocketeer

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NWC Commander
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Technical Director
Dr. Robert H. Pearson
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Phones 3354, 3355, 2347



Ann M. Brassier



Recreation Round-up

Racketball court users must make phone reservations

Beginning Sunday, racketball court reservations will be taken by telephone only starting at 10 a.m. for the following day. No reservations will be taken in person at the gymnasium office.

Only one court may be reserved per telephone call, and the reservation will be for only one hour per day.

In the case of military personnel only, reservations for the use of court No. 3 will be accepted between the hours of 10 and 11 a.m. After 11 o'clock, reservations for the use of court No. 3 will be open to all eligible persons.

For further information, contact Bernadette McGraw, gymnasium secretary, by calling NWC ext. 2334.

Volleyball Players Wanted

Military personnel who are interested in playing on the volleyball team that will represent the Naval Weapons Center in the 1978 Mojave Desert Interservice League competition are asked to contact either Jerry Kissick, the team's player-coach, by calling NWC ext. 3990, or the Center gymnasium office, phone ext. 2334.

NWC is the defending MDISL volleyball champion, and Kissick hopes to be able to organize another winning team for the competition that will take place sometime in March at George Air Force Base in Victorville.

Women's Night at Gym

Beginning on Monday, women's night at the Center gym will be resumed from 6 to 9 o'clock. During a 1-hour portion of this period (from 7 to 8 p.m.), a women's exercise class, taught by Kelly Moulton, has been scheduled.

There is a fee of 50 cents per student for the exercise class.

Racketball Tournaments Slated

Entries are now being taken for a doubles racketball tournament for men that will be held Friday through Sunday, Feb. 10 to 12.

Tournament entrants will be placed in either the open division (for advanced players) or Division B (for intermediate and novice level players). There is an entry fee of \$5 per team, and only the first 15 teams who pay the entry fee will be accepted in each division.

The deadline for entries is Friday, Feb. 3. Also coming up on the last weekend in February (Feb. 24 through 26) is a women's double elimination racketball tournament. There is an entry fee of \$2 per player which must be received no later than Feb. 20.

Additional information about either of (Continued on Page 7)

Entry is still open in Men's Golf Club tourney

Entries will be accepted until the 8 a.m. tee-off time tomorrow for the China Lake Men's Golf Club's officers' installation tournament.

The competition on the golf course will be followed Saturday evening by a dinner-dance at the Commissioned Officers' Mess, which will get under way with a social hour at 6:30.

Golfers who wish to participate in the tournament only will be charged an entry fee of \$4 each. The fee for others who also plan to attend the dinner-dance is \$7.

Burros hope to even GL record tonight against Hart

Burroughs High School's varsity basketball team, hoping to even its Golden League record at 2-2, will host the Hart High School Indians from Newhall tonight at the local high school gym.

Tip-off time for the varsity game, which will be preceded by freshman, sophomore and junior varsity tilts, will be 8 p.m. Since winning their league opener at

Quartz Hill High School on Jan. 3, the Burros were trounced, 74-56, last Friday in Lancaster by their counterparts from Antelope Valley High School, and Tuesday night dropped their first home game of league season, 59-46, to the cagers from Canyon High School of Saugus.

Lack of scoring punch was a problem for both the Burros and Cowboys from Canyon

High during Tuesday night's game. Will Levy, of BHS, fought his way inside to the basket to get 8 points for the local squad in the first quarter, which ended with the Burros ahead by the slim margin of 14-12.

The two teams then battled on fairly even terms until the final 3 min. of the first half, when the visitors (who were then leading 27-26) found the range and rang up 12 points to 5 for Burroughs. The result was a 39-31 halftime lead for the Cowboys, who were never threatened after that.

Scoring Drought

Inability to score plagued both teams in the second half, but the Cowboys managed a slight edge of 10 to 8 in the third quarter, and 10 to 7 in the final period to win by a 13-point difference of 59-46.

The Cowboys went into a semi-delay mode during the closing minutes of the game and, when they drew fouls, cashed in on 8 charity tosses that kept them comfortably out of reach of Burroughs in the scoring department.

The game's high point man was Levy, whose 15 markers made him the only player for Burroughs to break into the double figure scoring column. Top scorers for the Canyon Cowboys were Jeff Barrett, David Leary and Terry Kaldhusdal, who tallied 14, 11 and 10 points, respectively.

Playing the Antelopes last Friday night in Lancaster, the Burros fell behind early in the game, and were never able to recover.

Antelopes Start Fast

The Antelopes started off by hitting on their first six shots from the floor and built up a 23-13 first quarter lead. Tim McLaughy, who ended up as the game's high point man with 23 for the Lancaster team, led the first period onslaught with 11.

In the second 8 min. of action, the Antelopes took advantage of poor shot selection on the part of the Burros to get their fast break offense rolling. All told, the 'Lopes connected on 20 of 40 shots at the basket in the first half (compared to 11 of 27 for Burroughs), and left the floor at the halftime intermission with a lopsided 22-point lead of 48-26.

The respite provided by the mid-game break failed to revive the Burros to the point where they could develop any real scoring impetus as they continued to plug along at a 13-point-per-quarter pace, and trailed the Antelopes, 64-39, as the final period of play began.

By this time, the Antelope Valley coach was able to substitute freely in order to give his reserves a chance to gain more experience, and the Burros defense tightened up—holding the AV squad to just 10 points while scoring 17 on offense to make the final (Continued on Page 7)



SCRAMBLE FOR BALL—David Leary (34) of Canyon High and Jim Crider (50) of Burroughs battle for the ball in this bit of action during Tuesday night's varsity basketball tilt. The visitors won the game, 59-46. Others who can be identified in the photo are Steve Motte (44) of Burroughs, who is flanked by Jeff Barrett (32) and Dino Giacomazzi (at right), of Canyon High School. —Photo by Ron Allen

Loewens nudged out of 1st place in Div. A of Intramural League

For the first time since the start of the 1977-78 Intramural Basketball League season, there is a new front runner among teams competing in Division A.

On Wednesday night of last week, the Devils Guns hoopsters blasted Loewens, 68-58, to take over first place with a 6-2 record, compared to the five wins and two losses logged by Loewens.

In other Division A action this past week, the Clansmen outscored the F.A.C. team from Trona, 56-51, and the Desert Motors squad ran down the Clansmen, 68-48.

Last week, the Foremost Boys added to their string of victories with a pair of wins at the expense of the Speedway quintet (by forfeit), and in a close game which they won, 40-36, over the Worms.

Having won seven games in a row, the

Registration ends Saturday for Rifle Marksmanship School

Tomorrow is the final day of registration for the Basic Rifle Marksmanship and Hunter Safety School to be conducted on 12 Sunday afternoons starting this Sunday. Anyone over the age of 12 is eligible to attend.

Registration will be held on Saturday at the Sierra Desert Gun Club clubhouse from 9 a.m. until noon. All instructional materials will be provided. The cost of the basic rifle marksmanship course is \$20 per student.

Those over the age of 18 who are seeking just the California State Hunter Safety Certificate may audit the classroom sessions for a fee of \$3.

Additional information can be obtained by calling 446-4187 or 375-9170.

Foremost Boys, have a firm grip on first place in Division B. In the only other Division B contest played last week, the Bebops corralled the Short Horns, 53-43.

In last week's Division C competition, the Renegades crippled the Lobos, 63-19; Team "X" put the whammy on the Medicine Men by a final score of 46-35, the Gasbags had the last laugh on the Jokers, 37-32.

Games scheduled next week are as follows:

Tuesday, Jan. 17—Foremost Boys vs. Worms, 6 p.m.; Team "X" vs. Team "W," 7:15 p.m. and Clansmen vs. Desert Motors, 8:30 p.m.

Wednesday, Jan. 18—Bebops vs. Speedway, 6 p.m.; Jokers vs. Wild Bunch, 7:15 p.m., and Loewens vs. F.A.C., 8:30 p.m.

Thursday, Jan. 19—Worms vs. Short Horns, 6 p.m.; Renegades vs. Gasbags, 7:15 p.m., and Desert Motors vs. Devils Guns, 8:30 p.m.

Team	Division A	Won	Lost
Devils Guns	6	2	
Loewens	5	2	
Clansmen	3	5	
Desert Motors	2	4	
F.A.C.	2	5	
Division B			
Foremost Boys	7	0	
Bebops	6	2	
Worms	3	4	
Short Horns	1	5	
Speedway	0	6	
Division C			
Team "W"	3	0	
Renegades	4	1	
Wild Bunch	3	1	
Gasbags	2	2	
Medicine Men	2	3	
Lobos	2	3	
Jokers	1	4	
Team "X"	1	4	

Women's Golf Club installs new slate of officers for '78

A new slate of officers, headed by Peggy Wells, as president, was installed at the December meeting of the China Lake Women's Golf Club.

Other officers for 1978 are Kay Someson and Sue Youngman, vice-presidents; Jerry Fuller, secretary, and Nona Turner, treasurer.

Monthly meetings of the C. L. Women's Golf Club are held at the COM on the first Thursday of each month, starting at 11:30 a.m., and there are play days at the golf course every Wednesday.

Members are asked to be at the golf course clubhouse at 9:30 a.m. each Wednesday for a 10 a.m. tee-off if they will be playing 18 holes. Those electing to play just 9 holes of golf have the option of starting at 9 a.m. or later in the afternoon.

The Women's Golf Club's first competitive event of the new year will be the ace of the year tournament in which the various top players of the month during 1977 will be competing tomorrow at the local golf course.

Top sailors of '77 to be guests at 9th Bluejacket of Year dinner

Plans are in full swing for the ninth annual Bluejacket of the Year banquet—an event sponsored by the Indian Wells Valley Council of the Navy League, which will be held on the evening of Saturday, Jan. 21, at the Chief Petty Officers' Club.

The winner of the 1977 Bluejacket of the Year Award—until then a well kept secret—will be announced at that time.

A selection committee composed of eight Chief Petty Officers is responsible for selecting the award winner from a list of seven enlisted personnel who were singled out as Bluejackets of the Month during 1977. Monthly award winners who have been discharged from the Navy or transferred to another duty station are not eligible for this honor.

The seven enlisted sailors who are the 1977 Bluejacket of the Year candidates are:

Bluejacket . . .

(Continued from Page 1)

spent in the Philippine Islands, where he met his wife, Fannie.

He and his wife are the parents of three children; Joann, 10, a 5th grade student at Vieweg School; Phillip, 6, a Vieweg School 1st grader; and Michelle, 4.

Both of them were quite impressed with the view when they arrived at China Lake last February because of the snow on the mountains. They enjoy the area because here "you can choose the climate you want. Desert here, the mountains are close if you like cold weather, and the beach really isn't all that far away," says AD1 Walker.

He lists as his hobbies skin diving, sailing, motorcycle riding, and fishing, and he is now studying TV and radio repairing in his spare time.

For his selection as Bluejacket of the Month, AD1 Walker and his family will visit Bakersfield some weekend soon under the sponsorship of Gene Winer Cadillac of that city. They will have their room and meals paid for there, and will receive the loan of a new Ford from Desert Motors in Ridgecrest to use in making the trip.

RAdm. W.L. Harris to speak at CofC meeting, Kern County Business Outlook Conference

Two speaking engagements are coming up next week for Rear Admiral William L. Harris, NWC Commander, who will be the featured speaker at the Ridgecrest Chamber of Commerce installation dinner on Monday night, and also will participate with a group of other speakers in the 1978 Kern County Business Outlook Conference on Wednesday, Jan. 18, at the Civic Auditorium in Bakersfield.

Monday night's Ridgecrest CofC installation, which is to be held at the Ridgecrest Elks Lodge, will begin with a social hour at 6:30. Dinner will be served at 7:30, and the installation program will follow.

Master of ceremonies for the occasion will be Dr. Rex Shacklett, a former Mayor of Ridgecrest, and there will be special remarks by Mayor Ted Edwards. Duties of installing officer will be handled by Municipal Court Judge Charles Porter.

New officers and directors of the local businessmen's group who will be installed by Judge Porter are Bud Eyre, president; Beth Quigley, vice-president; Bill Mayhugh, secretary; Mike Mower, treasurer, and Bernie Schummer, Don Padgett, Dave Teasdale, Bill Cook and Dave Henderson, directors.

Centerites interested in attending the Ridgecrest CofC installation dinner are asked to make reservations by calling 375-8331.

In Bakersfield next Wednesday, the Skipper will join a panel of well-informed speakers on subjects ranging from oil production, water problems and agriculture to real estate development, recreation and the economic outlook for 1978.

This 20th annual event, sponsored by the

AD2 Scott Ely, YN1 Kathy Helton, and AOA Nathaniel Snelling, all from Air Test and Evaluation Squadron Five, and BM2 Robert R. Stearman, HM2 Yvonne M. Conley, AMH1 Michael J. Zych and AD1 Garry Walker, who are NWC personnel.

Bluejackets of the Month who aren't eligible for the yearly honor are BU3 Marvin W. Johnson and MS3 Karen A. Lukas, who have been transferred from China Lake, and AE3 Dale Traver and AD2 Michael Podrebarac, who have been discharged from the service.

The Bluejacket of the Year selection committee is headed by FTCS Dave Vander Houwen, Senior Chief Petty Officer of the Command. Helping him to select the most outstanding sailor at China Lake during 1977 are:

AFCM J. W. Hendry, Leading Chief (NWC); ADJC Kenneth Hunker, Leading Chief (VX-5); HMCS Wayne Hardman, Leading Chief (Naval Regional Medical Clinic); ATCS Gary Schmidt, BEQ officer at NWC; AQCM Wayne Baumbach, representing the Naval Aviation Engineering Service Unit; AMCS James Tucker, maintenance chief at the airfield, and AFCM Wes Barrett, of VX-5 maintenance control.

One of the factors in selection of the Bluejacket of the Year will be the sailor's answers to a variety of questions while being interviewed by the selection committee. Other important considerations are the sailor's military bearing, appearance, conduct, job performance, and supervisor's recommendation.

Tickets for the Jan. 21 banquet, priced at \$7 per person, can be ordered by calling Barbara Tunget, phone 375-1508; Carol Karberg, at 375-1318, or Iva Jean Mallory in the NWC Office of Information, phone ext. 3511.

The evening will begin with a social hour at 6:30, and a roast beef dinner will be served at 7:30. Introduction of the Bluejacket candidates will be made after dinner, as will announcement of the 1977 winner.

Kern County Board of Trade, will start at 9 a.m. on Jan. 18.

Both RAdm. Harris and Major General Thomas P. Stafford, Commander of the Air Force Flight Test Center at Edwards Air Force Base, will speak during the morning session of the Kern County Business Outlook Conference.

"The Naval Weapons Center and the Economy" is the title of RAdm. Harris' remarks, while Maj. Gen. Stafford will discuss the Air Force Flight Test Center's impact on the community which has built up adjacent to it.

Keynote speaker during the afternoon luncheon program will be Fred L. Hartley, chairman of the board, president and chief executive officer of the Union Oil Co. of California, whose subject will be "The Energy Outlook."

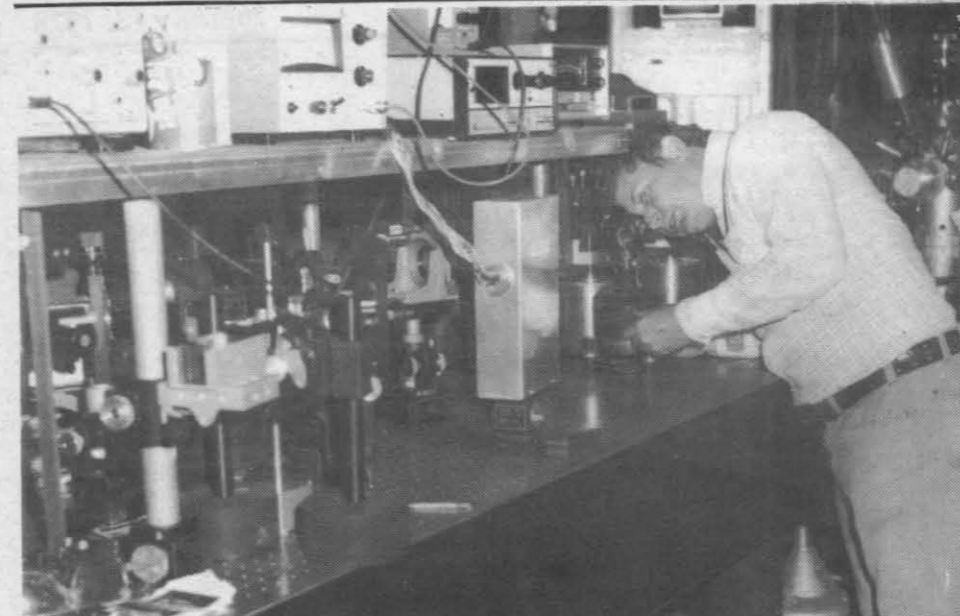
Honored guest at the 1978 Kern County Business Outlook Conference will be Gen. James H. Doolittle, retired Army Air Force officer who was awarded the Congressional Medal of Honor for leading the first bombing attack on Tokyo in World War II.

State income tax to be withheld from military pay

California and Hawaii are the latest additions to the growing list of states that have asked the Defense Department to withhold state income taxes from the paychecks of their military residents.

In California, the tax will be withheld only while military people who are California residents are stationed in this state.

The withholding program started on Dec. 1 for Hawaii and will start on Feb. 1 in California.



UNUSUAL LENS—James L. Jernigan checks the beam splitter which can be used to monitor the amount of energy entering the laser damage chamber (seen far right). He is using a sodium chloride lens, ground from a single salt crystal. Sodium chloride lenses are transparent to ultraviolet excimer lasers.

Optics research program . . .

(Continued from Page 1)

government-furnished-material to the companies involved with this project. The characterization consisted of the determination of surface flatness, roughness and reflectivity.

As the mirrors are coated, they are returned to the Center to be recharacterized and then delivered to Maxwell Laboratories, Inc., of San Diego, where scientists will utilize their large excimer laser to determine the damage threshold. Each company will get feedback on the quality of its product as part of the contract. Antireflection coatings will be tested in a similar manner on window materials.

This work is being accomplished with lasers that function in two wavelengths of the ultraviolet part of the spectrum—249 nanometers, characteristic of krypton fluoride excimer lasers, and 351 nanometers, characteristic of xenon fluoride excimer lasers.

When current industrial capabilities have been determined, the remainder of the DARPA-funded project will be spent in research and development of superior laser components.

Principal Investigator

The principal investigator for the project is Dr. H. E. Bennett, associate head of the Physics Division in the NWC Research Department. He is assisted by four co-investigators, Dr. J. L. Stanford, Dr. R. S. Hughes, Dr. A. D. Baer and Dr. Victor Rehn, and several Physics Division scientists well qualified in laser component technology.

These scientists have been instrumental in developing the most extensive component evaluation and pulsed laser damage facility in the Department of Defense. Dr. J. O. Porteus, who heads the laser damage facility, and his colleagues James Jernigan and William Faith, routinely monitor as many as eight different laser-damage-related phenomena on any given sample.

The damage threshold determinations provided by this facility have helped not only to gain a better understanding of damage mechanisms, but also to develop

Civilian employees may get flu shots next week

It's flu immunization time for civilian employees of the Naval Weapons Center who wish to be protected against the A-Victoria and Hong Kong strains of flu.

The flu shots, which are free, will be administered on Monday and Tuesday at the Salt Wells first aid station between 8:30 and 11:30 a.m. and from 12:30 to 3:30 p.m., as well as at the Armitage Field sickbay from 8:30 to 11:30 a.m.

In addition, flu shots will be provided at the Michelson Laboratory first aid station on Wednesday and Thursday, Jan. 18 and 19, from 8:30 to 11:30 a.m., and from 12:30 to 3:30 p.m.

All personnel who do not have access to either Salt Wells or Michelson Laboratory can receive their shots at the Armitage Field sickbay.

optical components that are more damage resistant.

Research conducted at this damage facility was responsible for the discovery that laser induced damage to optical surfaces can occur at temperatures considerably under the melting point. The physical mechanisms which cause certain types of laser induced damage to optical components were first explained by researchers in NWC's Physics Division. Research on optical coatings by Dr. T. M. Donovan, Dr. Donald Decker and others has also shown that imperfections introduced in the mirror substrate or window polishing process could cause failures.

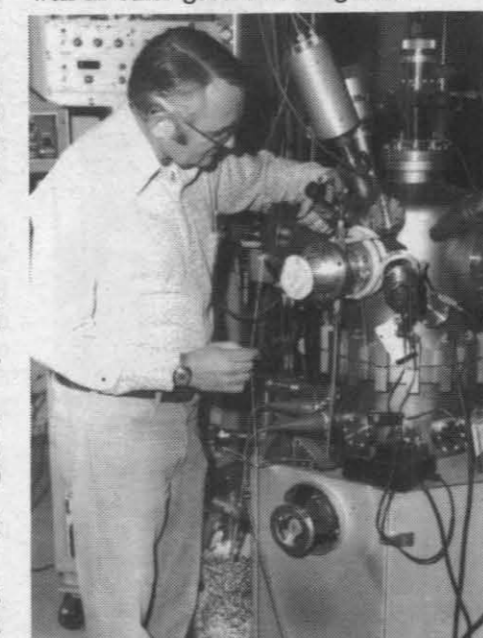
New Materials Investigated

New coating materials and methods for polishing laser windows and substrates so that surface absorption and irregularities are minimized are now being investigated.

In line with this, the NWC optics shop (headed by Joe Shaffer) has proven to be an important asset to the laser component research capabilities. Here high quality optical components are produced to meet the exacting requirements of researchers.

NWC is also developing under Dr. Decker the only high-precision diamond-turning facility in the Department of Defense. High-precision diamond-turning is a machining process in which a precisely controlled diamond-tipped tool is used to produce ultrasmooth surfaces. Because the diamond-turning machine can be computer controlled, it can produce surface shapes which could not be realized previously. This facility provides a capability which will be used in diamond-turning research, in the production of new and superior optical components, and in a manufacturing technology program.

Directly benefiting from the DARPA program will be the military services as well as other government agencies.



GETTING READY—William Faith prepares to use the pulsed laser damage chamber. As many as eight different laser-damage-related phenomena can be routinely monitored on any given sample with this chamber.

Awards presented...

(Continued from Page 1)

requirements of the Fleet and the ongoing technical efforts of the Center. His extensive contributions to the overall Navy planning process, and his consistently candid and non-parochial approach to technical and management issues, have made him a valued advisor to Center management and the Navy Laboratory community."

Dr. Rowntree is a supervisory operations research analyst with the Laboratory Directorate Requirements Group. He joined the Naval Weapons Center in 1963 as an operations research analyst with the Weapons Planning Group. He continued with this group in increasing positions of responsibility until 1975 when he was selected for his present position with what was then the Resources and Technology Office.

Educational Background

Dr. Rowntree received his BS degree in physics in 1952 from the Miami University in Oxford, Ohio; a master's degree in Public Administration, which he received in 1953 from Syracuse University in New York, and a Ph.D. in physics that he received in 1963 from Ohio State University in Columbus.

Jenne was cited "for his extraordinary technical contributions to anti-radiation missile programs during his years at the Naval Weapons Center. Particularly noteworthy is his design of the guidance and control laws for both the SHRIKE and HARM missiles."

In addition, he was singled out for his creative ideas and analytical expertise which greatly influenced the design, test, and evaluation of these systems. His achievements have served in furthering the mission of the Center and the Navy.

Lengthy Career Here

Jenne is a physicist with the Systems Analysis Branch of the Systems Sciences Division, Electronic Warfare Department. He began his career at NWC in 1951 with the Gas Dynamics Branch, Physics Division, Research Department. He went from there to the old Test Department where he spent four years with the Metric Photographic Branch; then he transferred back to the Research Department.

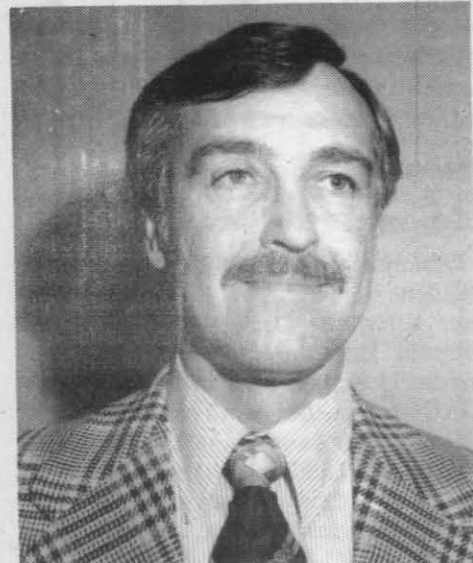
From there, he joined the Dynamics Branch of the Weapons Department along with the rest of his Research Department Branch. He was transferred to the Electronic Warfare Department in 1972.

Jenne, a graduate of Oregon State University at Corvallis, received a BS degree in physics in 1945 and a master's degree in physics there in 1951.

J. R. Bowen to present talk on evolution, growth of Sidewinder Missile Program

James R. Bowen, head of the Engineering Department's Engineering Design Division, will be the featured speaker at the January meeting of the China Lake Section of the Institute of Electrical and Electronics Engineers (IEEE).

The meeting, which is open to all interested persons, is a luncheon session that



James R. Bowen

will be held on Monday, starting at 11:30 a.m., at the Commissioned Officers' Mess.

Bowen's primary topic of discussion will be the evolution and growth of the Sidewinder Missile Program from the program management standpoint. The relationship between the program office and line organizations will be highlighted.

Included in the talk will be a review of the Naval Air Systems Command's Program Office evolution and its relationship to the NWC Program Office. The complexity of the Sidewinder Program will be highlighted. The latest organizational changes and reporting levels will be stressed and their features reviewed.

In addition, a technical overview of the Sidewinder Program will be given.

Because of Bowen's unique career experience while at NWC, the presentation should provide a candid overview of the Sidewinder Program. He has had progressive responsibilities during his career at NWC, including those of design and project engineer, program management, line supervisor and line management. Most of these positions were directly involved with the Sidewinder or similar missile programs.



IN OPERATION — An average of more than 120 patients a day is being seen by the medical and dental staff at the local branch clinic of the Navy Regional Medical Center in Long Beach. This modern, new facility at China Lake replaces the old Dispensary which has served personnel here since the mid-1940s. The new building was dedicated on Oct. 19. —Photo by Ron Allen

Medical, dental branch clinic provides vital service

An average of more than 120 active duty and retired military personnel, their dependents, and Civil Service employees seeking industrial medical care are being treated each day at the Naval Weapons Center's new medical-dental facility.

The new building, dedicated on Oct. 19 by Vice Admiral W. P. Arentzen, MC, USN, Surgeon General of the Navy, replaces the old Dispensary which had been in use since the early days of the Naval Ordnance Test Station, forerunner of NWC. It houses the local branch clinics of the Naval Regional Medical and Dental Centers in Long Beach, including the Occupational Health Service which deals with Civil Service employees who have job-related illness or injuries.

Since only three doctors are available for sick call appointments, anyone who wishes medical care is asked to call in and make an appointment before coming in to the clinic. The new facility has only 10 beds, so ordinarily military personnel requiring hospitalization for more than 72 hours are transferred elsewhere for their care.

Dependents requiring hospitalization are usually treated at the Ridgecrest Community Hospital under the Civilian Health and Medical Program for Uniformed Services (CHAMPUS).

Specialists' Services Available

Personnel who need to see a specialist whose services are not available in the local area make appointments through the branch clinic to see medical consultants at the NRMC in Long Beach or other nearby military facilities. Each Wednesday a van goes to Long Beach for supplies; often consultations can be arranged for that day so that military personnel can be transported on the supply trip.

The Aviation Medicine Service is maintained at Armitage Field, with a flight surgeon on duty half days at the field and the sickbay remains open there throughout the day. In addition, first aid stations are maintained at Michelson Laboratory and at Salt Wells.

Officer-in-Charge

Officer-in-Charge of the the NRMC branch clinic at China Lake is Capt. Robert W. Taylor, Dr. Taylor serves in a dual role. Acting as the senior medical officer, he sees and treats minor orthopedic cases and also sees other patient regularly.

Other doctors are LCdr. S. Roberta Gunnett, who spends half her time in the dispensary at Armitage Field since she is the flight surgeon, and Lt. Richard K. Reed,

a general practitioner. Dr. W. D. Stute is the Chief of the Occupational Health Service.

In addition to the doctors actually stationed at China Lake, a pediatrician comes up from Long Beach once a month to see patients, a dermatologist is scheduled in about once every six weeks, and an ophthalmologist (who primarily gives laser eye examinations for Civil Service employees) is scheduled for a once-a-quarter visit.

Physicians Assistants on Job

Assisting the doctors by seeing patients with relatively minor illnesses are Physicians Assistants CWO2 John Morgan and James Jewell. They also give physical examinations, provide diet therapy, counseling, and are able to prescribe some medications. The Physicians Assistant program has been extremely well received by patients and medical personnel alike.

Navy nurses on duty are Cdr. Lela Wilson, who is the senior nurse, and LCdr. Frances Zuber, who serves as charge nurse.

Two Dentists Assigned Here

Two dentists are assigned to the NRDC branch dental clinic. These are Cdr. Art Sanders, clinic head, and Lt. David Crandall. Only active duty personnel are able to receive dental care at the branch dental clinic at China Lake.

Rounding out the staff of the new facility are 36 Navy corpsmen and 16 civilian employees. Administrative Services Officer is LCdr. Gregory Waddington, with HMCS W. H. Hardman serving as administrative assistant.

6303rd Army Reserve Study Gp. seeks additional local members

Local area residents with reserve status (either enlisted or commissioned) in any of the uniformed branches of the military service are eligible for membership in the 6303rd Army Reserve Study Group, which is headed by Col. Lloyd Brubaker, a science

teacher at Murray Junior High School, as commanding officer.

This is a non-pay Army Reserve unit, but membership does entitle individuals to credit toward military retirement, as well as the usual fringe benefits such as shopping privileges at the Navy Exchange and Commissary Store.

The 6303rd USAR Study Group is a unique Army Reserve unit in that it is co-sponsored by a college (in this case Cerro Coso Community College), and its participants are both military reservists and college students.

Attendance at a college class constitutes the unit's regular drill session. During the spring semester at Cerro Coso, Col. Brubaker, USAR, with the assistance of a number of speakers with special knowledge of the subject under study, will be conducting a class in contemporary military history.

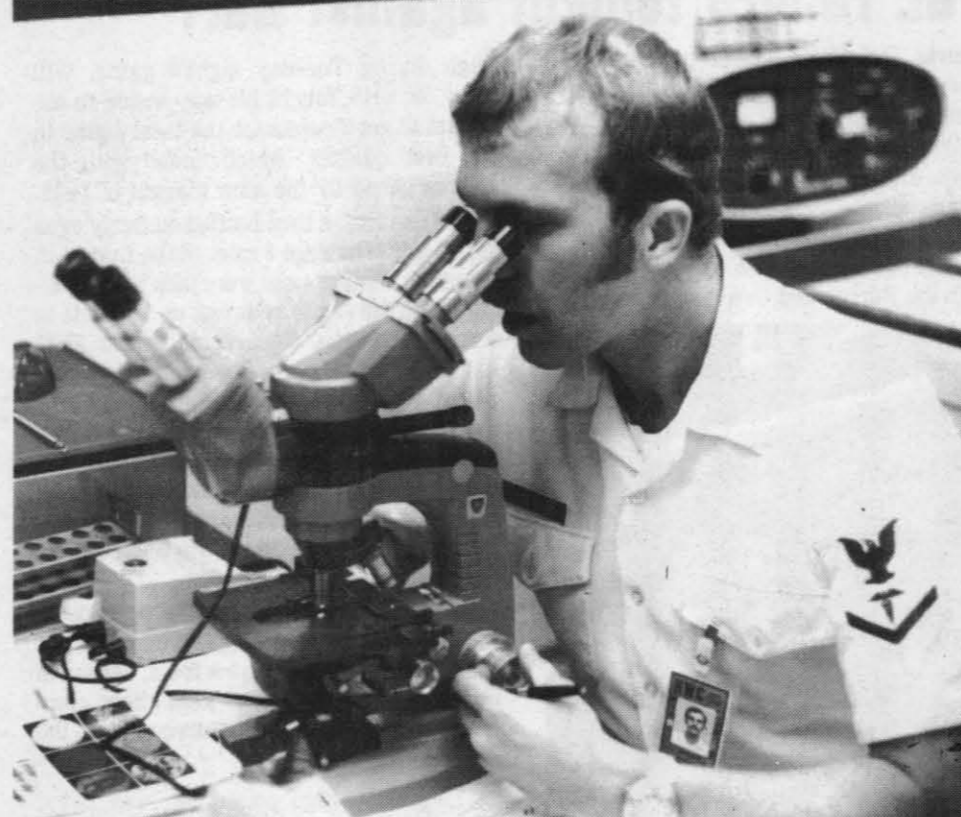
This class, which is entitled Military History of the World, will begin on Feb. 2 and be held on Thursdays, from 7 to 8:50 p.m. at the college, for the duration of the spring semester.

In addition to this weekly drill session, members of the local Army Reserve unit also are assigned to active duty for training — usually for a period of two weeks per year. The type of active duty training an individual receives is based on his own reserve assignment.

Those interested in further information about this local Army Reserve unit should contact Col. Brubaker, USAR, by calling him after working hours at 375-7245.



COMMAND CHANGES HANDS—Col. Lloyd Brubaker, USAR (at right), has replaced Col. Fred Nathan, USAR (Ref.), as commanding officer of the 6303rd Army Reserve Study Group — a unit that was formed in 1974 and is co-sponsored by Cerro Coso Community College. —Photo by Ron Allen



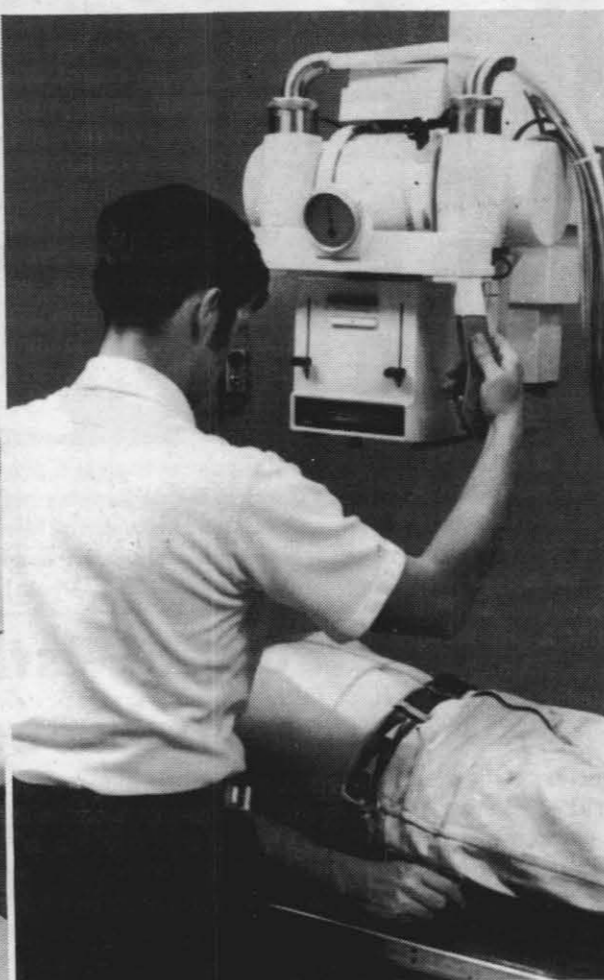
HOSPITAL CORSMAN Third Class Marsh Rossiter looks at a blood specimen in the laboratory of the local Branch Clinic of the Navy Regional Medical Center in Long Beach.



AN AVERAGE OF 50 electrocardiograms, mainly routine, are performed each month in the Clinic, just like Hospital Corpsman 2nd class Harry McCoy is about to do during a regular physical examination.



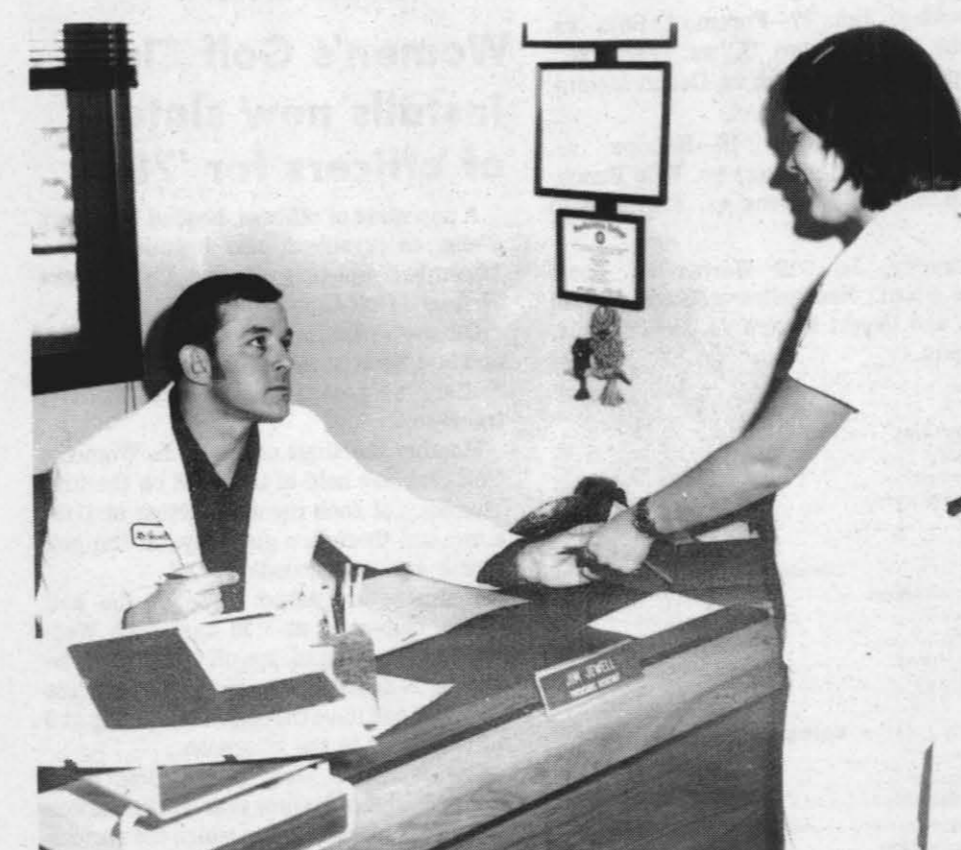
OPEN WIDE! — Cdr. Art Sanders, one of two dentists stationed at the local facility, concentrates on checking a patient's teeth.



A NEW X-RAY machine using a daylight processor speeds up the work done by Hospital Corpsman 2nd Class Rickey Woolsey.



SIXTEEN CIVILIANS are employed at the NRMC Branch Clinic. One of these, Susie Davenport, is a medical technologist in the laboratory.



CHIEF WARRANT Officer Second Class Jim Jewell, a physician's assistant, gives instructions to Seaman Apprentice Pat Fields, a striker receiving on-the-job training before going to Medical Corps School in February.



SHOWING COUNTING pills is Hospital Corpsman 2nd Class Rick Kemnow, who is a pharmacy technician.