

# Marines, Firemen Continue 1972 'Toys for Tots' Drive

The annual "Toys for Tots" program, which will continue until Dec. 15, has resulted in nearly 200 toys being donated to the drive as of this past Monday.

Most of these (125) were donated as admissions to the dance held last Sunday at Joshua Community Hall on the Desert Empire Fairgrounds in Ridgecrest.

Merle Haggard, famous western recording star, and Lew Tally, well-known locally, gave much of their time and talents to headline the dance program.

Two dances were held — one for teens from 1 to 5 p.m., and an adult dance from 6 to midnight. The Golden State Music Company and The Falcons provided the music for the teen dance, which was attended by approximately 50 teenagers. According to the sponsors of the dance (the U.S.

Marine Corps Liaison Office at NWC, firemen of the Indian Wells Valley, and the U.S. Marine Corps League), the drag races at Inyokern held the teen participation down.

However, 225 persons attended the adult portion of this event. In addition to Merle Haggard and Lew Tally, other guest stars were Sandy Thomas, Mel Shannon and Henry Sharp. Four bands backed up the guests: Wayne Paisano and the Roadrunners, Dan Lydon and the Tempo's, Don McNatt and the Country Gentlemen and Merle Haggard's group, The Strangers.

In addition to the outright gifts of toys, the dance sponsors picked up more than \$400 in cash, which will be used to purchase play things for unfortunate children in the local area.



"TOYS FOR TOTS"—Gunnery Sergeants Jerry Hibbard (left) and Harold Logue, attached to the U.S. Marine Corps Liaison Office at NWC, look over a mountain of toys donated to the "Toys for Tots" drive which will continue until Friday, Dec. 15. To date, approximately 200 toys, new and repairable, have been generously contributed to the annual drive, sponsored jointly by Marines and firemen throughout the United States. Persons with toys to donate may call NWC Ext. 3716, or leave the toys at the Fire House No. 1, located at the corner of King St. and Lauritsen Rd. The Marines will man an NWC Fire Division's fire truck during the annual Christmas parade on Saturday. During the procession, parade watchers may put toys on the truck to be added to the "Toys for Tots" collection.

## SHOWBOAT

**MOVIE RATINGS**  
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.  
(G) - ALL AGES ADMITTED  
General Audiences  
(PG) - ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian  
CS - Cinescope  
STD - Standard Movie Screen

FRI. 8 Dec.  
"NAPOLEON AND SAMANTHA"  
(STD 92 Min.)

Michael Douglas, Will Geer  
(Drama) Michael Douglas is recruited by an orphaned little boy who wants to bury his grandfather, hide his pet lion from the neighbors, and run off with his seven-year-old playmate. (G) SAT. 9 Dec.

—MATINEE—  
"DOCTOR DOOLITTLE" (CS 152 Min.)  
Rex Harrison, Samantha Eggar (G)

—EVENING—  
"DULCIMA" (STD 92 Min.)  
John Mills, Carol White  
(Drama) This story begins with Dulcima keeping house for Mr. Parker in order to filch the money he has stashed away in his attic, so she can become the glamorous woman she wants to be. (PG) SUN. & MON. 10-11 Dec.

"CORKY" (CS 89 Min.)  
Robert Blake, Charlotte Rampling  
(Drama) This is the story of a reckless and immature country boy (Robert Blake) whose dream of becoming an ace stock car racing champion causes him to shed his wife (Charlotte Rampling) and child and take to the road in pursuit of an impossible desire. (PG) TUES. & WED. 12-13 Dec.

"THE CAREY TREATMENT"  
(CS 101 Min.)  
James Coburn, Pat Hingle  
(Drama) Dr. Peter Carey (James Coburn) turns detective in an effort to clear a colleague of a murder charge resulting from the abortion death of the 15-year-old daughter of the head of the Boston hospital where Coburn has accepted a post. (PG) THURS. & FRI. 14-15 Dec.

"PANCHO VILLA" (STD 92 Min.)  
Telly Savalas, Clint Walker  
(Action Drama) The story deals with a major period in the life of the Mexican revolutionary Pancho Villa. Pancho (Telly Savalas) tries to buy guns from an American in New Mexico through his right-hand man Clint Walker. When the American outsmarts Walker, Pancho decides to invade the United States from Mexico with a rag tag Mexican army. (PG)

**Bosses' Night Set By China Lake BPW**  
A Bosses' Night Christmas party will be held on Monday night at the Naval Weapons Center's CPO Club by the China Lake Business and Professional Women's Club.

A social hour starting at 6 p.m. will precede the 7 o'clock dinner. Women employees of the Naval Weapons Center are invited to attend and bring their boss and his or her spouse. Reservations are required and can be made by calling Madeline Smith at 446-6947.

Included among the guests of China Lake BPW Club members on this evening will be H. G. Wilson, NWC Technical Director; Dr. H. W. Hunter, head of the Research Department, and Capt. W. H. Sturman, head of the Public Works Department.

In his letter to the squadron, Adm. Clarey wrote: "The current special emphasis on achieving an all-volunteer Navy places prime concern on our efforts toward motivating and retaining personnel in order to maintain a viable personnel structure. All hands in VX-5 can justifiably take great pride in being accorded honorable mention for the Golden Anchor Award."

Entry forms, which are available now at the Ridgecrest Chamber of Commerce office, 141 Panamint St., also have been published in the Daily Independent. The entry forms must be filled out and returned no later than noon on Tuesday, Dec. 19. Contest entries in the following categories will be judged on the nights of Dec. 19 and 20: Mobile homes, window displays and outside yard decorations. Business places will compete in a separate category for Christmas decoration contest prizes and, in addition to first, second and third place awards for the best decorated homes, there also will be a sweepstakes prize.

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### Something To Celebrate

## Open House Dec. 16 At New Credit Union Bldg.

Officials and members of the Naval Weapons Center Federal Credit Union have something special — over and above the traditional things — to celebrate this holiday season.

That special something is the completion and readiness for occupancy of the finest non-government built structure at China Lake — the new NWC Federal Credit Union building which will open its doors to the public for a look-see on Saturday, Dec. 16, from 1 to 5 p.m.

Located at the corner of King St. and Richmond Rd., this modern structure, of Spanish architectural style, is well adapted by design, color scheme and landscaping to its desert surroundings.

A brief ribbon-cutting ceremony is planned at 1 p.m. on Dec. 16, as a prelude to the open house that afternoon. Among participants in this event will be Capt. D. W. Alderton, Deputy Commander of the Naval Weapons Center; Bruce Wertemberger, president of the Credit Union's board of directors; William R. Hitt, vice-president of the Credit Union board, who will be the master of ceremonies, and William Baker, also a board member who has served as chairman of the building committee.

On hand to deliver the benediction at the ribbon cutting ceremony will be Capt. R. E. Osman, Naval Weapons Center chaplain.

According to Gene Boehme, manager of the Credit Union, the open house program will be followed on Sunday and Monday, Dec. 17-18, by a move from the Credit Union's present quarters (a former dormitory located at the

corner of Blandly Ave. and Hussey Rd.) to the new building, and the Credit Union will re-open for business in its new location on Tuesday, Dec. 19.

The new home of the NWC Federal Credit Union has been built by the Bank Building and Equipment Corp. of America, from plans that were prepared by Carl R. Klager, an architect in Burlingame, Calif., which also is the location of the construction firm's western division office.

Cost of the new building, which is a far cry from the 15 by 15 ft. room in the old Training Building where the NWC Federal Credit Union had its beginnings in November 1946, has been set at \$678,500, including furniture and fixtures.

A check of the Credit Union's history also shows that it began with nine members as a project of the Employees Welfare Association. Since that time the Credit Union's total assets of less than \$300 have grown to nearly \$20 million.

On Nov. 26, 1947, the NOTS Employees Federal Credit Union was chartered by the Bureau of Federal Credit Union — a group that was later reorganized into the National Credit Union Administration. The final name change to Naval Weapons Center Federal Credit Union was made in 1968.

A month after receiving its charter, the NOTS Credit Union had 99 members, a total of \$1,162 in assets and had loaned out \$310. A year later, the membership had grown to 616 with assets of \$47,160.

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MARINES LOAD BULLDOG—Marines mount a Bulldog missile on an aircraft for flight testing on one of the ranges at the Naval Weapons Center. The Bulldog Weapon System, now in pilot production, was developed at NWC in response to the Marines' need for a close air support weapon. This laser-guided air launched missile provides first pass pinpoint accuracy in destroying surface targets.

## NWC Bulldog Missile Homes In On Laser-Illuminated Targets

By Liz Babcock

Here at NWC a weapon has been developed that can be fired accurately from a safe distance away from the target, that can home on the target without giving away either the location of the attack plane or the location of the target, and that can function with accuracy even when the pilot cannot see the target.

It has destructive power against a variety of targets, including bridges and tanks, and is economical enough to be used

against trucks and other important but less expensive targets.

The weapon system that contains all these capabilities is called Bulldog, a guided missile system that homes on a laser-illuminated target.

Donald R. Totten, program manager for the Bulldog Weapon System (Code 40505), announced recently that the development effort on this system is completed, and that the first pilot production hardware rolled off the line in October. Preparation for Fleet

introduction of the system is well under way.

A forward air controller (FAC), either on the ground or in the air, spots a desirable target. The pilot of the attack plane receives radio instructions from the FAC directing him to the vicinity of the target. The FAC activates his laser designator and illuminates the target with a laser beam.

When the pilot activates the seeker in the nose of the Bulldog missile, it scans until it acquires the laser-designated target. At that point a light on his control panel and an audio signal through his headset notify the pilot that Bulldog has found its target. The pilot aims the missile by means of needles on the Target Position Indicator meter, then he initiates launch. From that point, Bulldog automatically tracks the laser-

(Continued on Page 4)



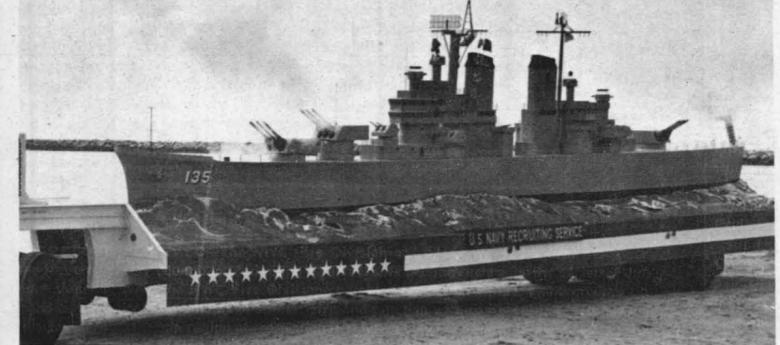
EXCELLENT RECORD ACHIEVED—The NWC Fire Division has been awarded a first place certificate by the National Safety Council for compiling a perfect safe driving record for the period of July 1, 1971, through June 30, 1972. The NWC Fire Division competed with other military and civilian (industry, city and county) fire departments of similar size and function with comparable yearly vehicle mileage in the southern California region of the National Safety Council's Safe Driving program. The safe driving award was accepted from W. E. Davis, head of the NWC Security Department, by Deputy Fire Chief Richard Rightmer on behalf of the entire Fire Division. Present for the ceremony were (from left) Wesley Hobbs and Art Brady, crew chiefs, and Firefighters Mark Manning, Kenny Zurn, Robert Burk, Richard Guerrero and Vic Deatherage. Looking on at right is Billie Hise, of the NWC Safety Department. The NWC Fire Division operates 35 vehicles, including pumper trucks, aircraft-crash trucks, ambulances and rescue pickups. —Photo by PHAN D.M. Jeneaux

### Next Rocketeer To Be Final Issue for 1972

The final issue of the ROCKETEER for 1972, traditionally the Christmas issue, will be published next Friday, Dec. 15. The ROCKETEER will not be published again until Friday, Jan. 5, 1973.

All clubs and organizations, Codes and services wishing to publicize news of special events that are pending are asked to get their information to the newspaper office in ample time for it to be included in the final issue of the year.

For assistance or further information, call NWC ext. 3354 or 3355.



YULE PARADE ENTRY—A scale model of the heavy cruiser USS Los Angeles will make its first appearance in the local area during the third annual Christmas parade, which is slated tomorrow morning in Ridgecrest. The float was built by personnel assigned to the Los Angeles District of the U.S. Navy Recruiting Service. The main batteries on this model of the USS Los Angeles rotate, elevate and depress and can be fired using blank 12 gauge shotgun shells. The parade will roll at 10 a.m.



PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2069. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date if one has not been submitted within the last 4 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Electronics or General Engineer, GS-855 or 801-12 or 13, PD No. 7240269, Code 4008—Refines and integrates avionics subsystems into the total aircraft weapon system insuring that system functional requirements for aircraft avionics, data management and system interfacing are met. Provides the Advanced Aircraft Systems Program Office with written evaluations of emerging avionics related technologies (large scale integration, multiprocessing, etc.), emphasizing critical development characteristics and suggesting how they can be developed, tested and evaluated. Directs and participates in the design and development of avionics subsystems, acts as consultant on avionics problems at NWC and provides inputs to Advanced Weapons concepts. Participates in conferences with DR&E, CNO and NAVAIRSYSCOM and assists in study efforts on hardware problems relating to fighter-attack aircraft avionics systems with contractor and supporting agencies. Job Relevant Criteria: Extensive experience with aircraft avionics data management and system interfacing relating to the definition of operational critical factors and supervising design or application of modern airborne digital computers and data management equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

Supervisory Engineering Documentation Specialist, GS-301-11 or 12, PD No. 7240268, Code 4014—This position is Head, Documentation Branch (Code 4014) in the Technical Services Division of the Weapons Development Department. Incumbent supervises engineering technicians, draftsman, documentation specialists and clerical personnel engaged in design, layout, drafting, checking, change control, and print reproduction for equipment on development projects of the department. Technical areas include: Mechanical, electronic, structural, optical, and shop and laboratory liaison for missile guidance and control systems, airborne avionics systems and their components, test and handling equipment, tools, fixtures, etc. Incumbent will plan, schedule, coordinate and control branch work, estimate manpower requirements and costs, prepare branch budgets, determine branch operating procedures, review and evaluate performance of branch personnel, train new members and will be responsible for overall branch effectiveness. Job Relevant Criteria: Experience in the design, drafting and documentation of complex weapons system equipment and devices including: Machine design, shop practices, structural design, stress analysis, electronic packaging and schematics. Knowledge of application of military drafting, format and standards. Supervisory experience involving technicians and draftsman performing work in the general area identified above. Minimum Qualification Requirements: As approved by CSC in accordance with FPM Chapter 338-4.

Electronics or General Engineer, GS-855 or 801-12 or 13, PD No. 7240270, Code 4008—The incumbent is a specialist in aircraft armament applications, aircraft-weapon interfaces and associated systems. Conducts analyses to define and assess advanced fighter-attack aircraft system requirements to recommend appropriate aircraft weapon suits. Refines and integrates weapons sub-systems into the total aircraft weapon system insuring that system functional requirements for selected weapon suits are met. Directs the assembly and maintenance of a reference data bank on aircraft weapon systems, housing information on weapon characteristics and interface data. Maintains liaison with other laboratories, participates in conferences with DR&E, CNO & NAVAIRSYSCOM and acts as a consultant to other NWC activities on problems related to aircraft-armament interfaces and armament applications. Job Relevant Criteria: Extensive experience with aircraft weapons systems including interfaces, characteristics, aircraft reconfiguration, and weapon test requirements. Experience with aircraft armament systems including definition of operationally critical factors in proposed or existing programs. One or two years of recent major weapon system development experience. Knowledge in the area of warheads and fuzes and guidance and control concepts. Minimum Qualification Requirements: As defined in CSC Handbook X-118.

File applications for the above with Elizabeth Sodergren, Bldg. 34, Rm. 206, Ph. 2476.



\$100 BOOST FOR HELP LINE—A check for \$100, a gift from the All Faith Chapel, was presented this week by Chaplain Robert Osman (at right) to Earl Towson (at left), treasurer, and Joseph McIntire, president, of Help Line. The All Faith Chapel was one of the earliest financial supporters of Help Line, and has been a consistent contributor. Even though no one receives a salary for working for Help Line, expenses for use of the telephone, training materials, office and other supplies must be met by donations from individuals and groups and by financial support received from the Indian Wells Valley United Fund. Help Line's "friendly listening ear" can be contacted by calling 446-5531 daily between 6 p.m. and 6 a.m.

Christmas Music Cantata Set at All Faith Chapel

The choirs of the Grace Lutheran Church, Cerro Coso College and the Protestant congregation of the All Faith Chapel will combine their talents on Sunday at 4 p.m. in the chapel to present an outstanding program of Christmas music.

Highlight of the program will be the performance of a new cantata, "The Year of Our Lord," written by Jeana and Robert Graham. Ray Blume, who leads the college choir, will conduct Sunday's program.

Shirley Helmick, at the organ; Joan Fowler, who plays the harpsichord; Susan Erdmann on the flute, and Carl Helmick with the cello, will provide the musical accompaniment for the concert and also will combine on three instrumental arrangements—"Gesu Bambino," by Yon, Handel's "Siciliana," and the

"Allegro," from Pepsusch's Trio Sonata in E Minor. Featured vocalists will be Greg Erdmann, singing the Bach arrangement of Johann Schop's "Jesu, Joy of Man's Desiring," and a duet composed of Dovie Leonard and Marlys Melsted will sing Vivaldi's "Laudamus te" from the Gloria and Handel's "He Shall Feed His Flock," from the Messiah.

The three choirs will present many all-time favorite Christmas hymns and Rev. Robert Johnson, of the Grace Lutheran Church, will read Christmas passages from the Bible.

Chaplain Robert E. Osman, of the All Faith Chapel, will be the narrator.

The program is free and all interested persons are invited to attend.



CONTRIBUTES TO DRIVE—Getting a jump on the annual drive to collect canned food and other non-perishable food items that will be distributed in Christmas baskets for the needy, Capt. Robert S. Moore (at left), Commanding Officer of the Naval Air Facility, made his contribution to two representatives of the Gold Hashmark Club. Standing by to accept a box filled with canned food are AMS1 Larry Peck (center), president, and AK1 Bernie J. Szczepiorski, secretary-treasurer, of this top Navy Petty Officers' group. Members of the Gold Hashmark Club will be going from door to door in the Naval Weapons Center housing area next Wednesday and Thursday, Dec. 13-14, seeking similar contributions for Christmas food baskets that will be assembled and distributed by the NWC chaplain. Funds raised by the Gold Hashmark Club will be used to purchase turkeys that also will be added to the food baskets.

6 DECADES OF SERVICE — Pins denoting 30 years of Federal service were presented recently by Leroy Riggs (center), head of the Electronic Systems Department, to Carlton Hamel (at left) and Steven Little. Hamel, who heads the Systems Procurement Branch in Code 35's System Science Division, served in the Navy for 18 years prior to becoming a Civil Service employee in July 1960, when he came to China Lake. He was an employee in the Supply Department before transferring to the Electronic Systems Department. Little's Federal service record includes 10 years on active duty in the Navy prior to joining Civil Service. In the 20 years that he has been at China Lake, Little has worked in the Engineering, Rocket Development and Aviation Ordnance Departments prior to moving to the Electronic Systems Department. He is currently the deputy for engineering in the ship countermeasures program office in Code 35.

Library Lists New Books

LIBRARY HOURS Monday-Friday: 2-9 p.m. Saturday: 10 a.m. - 7 p.m. Sunday: 2-4 p.m. Readers are reminded that all employees, regardless of residence are most welcome to use the Center Library. FICTION Abbey—Black Sun. Bach—Jonathan Livingston Seagull. Benante—A Fragile Bark. Christie—Elephants Can Remember. Crichton—Cameron. Forstyth—Odessa File. Heyer—Lady of Quality. Jenkins—Simsi-Tough. Oltum—All Right, Everybody Off the Planet. Pedler—Mutant 59. Renault—Parisian Boy. Semyonov—Petrovka 38. Van der Post—Story Like the Wind. Westheimer—Over the Edge. Westlake—Cops and Robbers. NON-FICTION Bolling—Controlling Small Wars. Deck—Rancho Paradise. Douglas—Jewish-Japanese Sex & Cook Book & How to Raise Wolves. Durden—Gifts of an Eagle. Farr—FDR. Herzberg—Repairing Small Electrical Appliances. Howard—The Great Iron Trail. Hutten—Technique of Collage. Lee—My Life in Astrology. News Front—The Incredible Decade, 1960-1970. Marcus—Age of Nelson. Mead—Blackberry Winter. Roosevelt—Ranch Life. Rose—American Painting. Salk—What Every Child Would Like His Parents to Know. Seyd—Designing With String. Shadbill—Islands of the South Pacific. Snelling—Opportunity Explosion. Sunset—Cook Book of Desserts. Sunset—Travel Guide to Utah.

The Rocketeer

Official Weekly Publication Naval Weapons Center China Lake Lake, California RADM. Henry Stuerstedt, Jr. NWC Commander

H. G. Wilson Technical Director C. E. Van Hagan Head, Technical Information Department

DIVINE SERVICES

PROTESTANT Sunday Worship Service 1015 Sunday School—All Ages 0900 Wednesday Noon Bible Study 1130 Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month. ROMAN CATHOLIC MASS Saturday 1700 fulfills Sunday obligation Sunday 0700 0830 1130 BLESSED SACRAMENT CHAPEL MASS Daily except Saturday 1135 First Friday only 1135 1700 CONFESIONS Saturday 1545 to 1645 Sunday 0800 to 0825 CCD CLASSES Sunday Kindergarten thru 6th grades 1015 Wednesday Seventh and 8th grades 1900 Above classes are held in Chapel Annexes across from Center Restaurant. As announced Ninth thru 12th grades "In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES EAST WING-ALL FAITH CHAPEL Friday 1st and 3rd ONLY Sabbath Services 2000 Sabbath School 0900 UNITARIANS CHAPEL ANNEX 95 Sunday Services 1930 PH1 D. C. Manderscheid, PH2 G. L. Taylor PH2 M. W. Yeatts, PHAN D. M. Jeneraux PH4A Shellie K. Borders Staff Photographers DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NavExOS P25, revised July 1958. Office of Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Phones 3354, 3355, 2347



Ph.D. Awarded In Electrical Engineering

A doctorate in electrical engineering, from the University of Michigan, has been awarded to Marko Afendykiw—who also was the recipient of an NWC Fellowship for advanced study.

A China Lake employee since 1957, Dr. Afendykiw is an electronics engineer in the Sensors and Signal Processors Branch of the



Dr. Marko Afendykiw

Systems Development Department's Technology Development Division. For his Ph.D. specializing in microwave solid state devices, Dr. Afendykiw prepared a dissertation entitled: "Impedance Characteristics of Gunn-Effect Diode Packages at X-Band Frequencies."

A 1957 graduate of Wayne State University in Detroit with a BS degree in electrical engineering, Dr. Afendykiw also was awarded a Master's degree in electrical engineering by the University of Michigan in 1963.

He and his wife, Nina, have three children—two sons, Andrew and Yurko, and a daughter, Natalie.

Housing Assignm'ts

Housing assignments for November 1972. One B.R. Motel Reidler, GS-14. One B.R. Hawthorne Joy, GS-12; Haas, GS-11. Two B.R. Normac Graham, WG-5; Walker, GS-6; Harns, GS-5; Trubitski, WG-10. Two B.R. LeTourneau Polosko, E3; Shue, GS-5; Lingbaan, E5; Preagant, E4; Lopez, WP9. Four B.R. Hawthorne Williamson, WG-10. Two B.R. Old Duplex Smith, GS-12; Kiecker, GS-11; Banks, GS-9; Christenson, GS-9. Two B.R. Old Duplex LBP Ellingson, WG-10; Rush, GS-10; Schuberl, WG-7; Lawson, GS-11; Murray, GS-9; Smith, GS-7. Three B.R. Old Duplex Rue, GS-12. Three B.R. MOQ Holtermanns, GS-13. Three B.R. Wasp Cir. Dup. Allen, GS-12. Four B.R. Panamint Fountain, GS-13. Two B.R. Wherry Charles, E6; Puckett, E4; Townsend, E5; Curry, E4; Newbecker, E4; Bona, E4; Musichinski, E6; Wamsley, E5. Three B.R. Wherry Chipp, WG-10; Romero, GS-5; Jeanjaquet, WG-14; Catabu, E5; Maples, GS-7; Colaneri, E6; Francisco, E4; Lane, WGB; Blackledge, E5; Deboer, E5; Seideman, E6; Garcia, E4. Three B.R. Normac Duplex Stratton, GS-12; Ryan, GS-11. Three B.R. Juniper Sirmas, Lt.; Coffey, Lt. Cdr.; Stout, Lt.; Cravens, E7; Parker, E7. Four B.R. Joshua Smith, E8.

Briefing About Naval Civil Engineering Lab Presented

By Stan Reynolds

Forty-five Naval Weapons Center employees were briefed last week on research and development programs being carried out at the Naval Civil Engineering Laboratory, Port Hueneme. The speaker was Philip C. Russell (center), public affairs officer for NCEL.

Russell also described studies aimed at maintaining and improving asphaltic pavements, especially for airport runways, and revealed a new technique for rapid construction of helicopter pads.

Studies of whiplash effects, conducted by NCEL for the Department of Transportation, have included the use of computerized models for pinpointing specific damage problems to accident victims. In another area, Russell showed film slides depicting results of NCEL studies on the increasing use of containerized loading and unloading of ships, and of mobile ocean-based systems modules capable of providing floating bases for conventional aircraft, helicopters and ships.

Hail and Farewell

For the month of November 1972. NEW ARRIVALS-CIVILIAN Code 1745—June E. Lord and Gwendolyn Williamson; Code 177—Donna L. Oehlberg; Code 259—Sharon L. Ballenger; Code 3021—Nils D. Wagenhals; Code 3024—Mary G. Lemon; Code 3506—George L. Rausten; Code 3524—Max E. Lawson; Code 3543—Jay W. Chun and Karen H. Harlan; Code 3546—Sam D. Stantier; Code 3552—John H. Miles Jr. and John C. Shephard; Code 4048—Daniel C. Allen and Frank A. Bachinski; Code 4041—Theodoros Holtermans; Code 4050—Ronald D. Lane; Code 4063—Larry W. Strutz; Code 40901—Joel M. Weissman; Code 4095—Robert L. Adams and Jack A. Willbur; Code 4552—James C. Blackmon; Code 5524—Dale O. Christensen; Code 5533—Sheila H. Piacnik; Code 5545F—Robert A. Smith; Code 5545K—James E. Dillon, John W. Mazy and Edward J. Polek; Code 5711—John P. Halligan; Code 5723—Lindsey E. Thursty Jr.; Code 6521—Ellen M. Baker, Karen W. Erickson, Lucille J. Gibson and Dixie T. Shanahan; Code 70432—Robert M. Carlin, James L. Hampson and Jerry C. Springs; Code 7044—Byrl L. Williamson; Code 8412—Royce J. Fisher Jr.; Code 8423—Russell L. Skinner; Code 8436—George E. Milner. CIVILIAN-DEPARTURES Code 14—Ella M. Kowalsky; Code 1763—Corlyn O. Lewis; Code 1765—Jane B. Wade; Code 25731—Marion E. Harriette; Code 2591—Robert W. Radunz; Code 25981—Billie R. Robinson; Code 30401—Terrence L. Harn; Code 3061—Kenneth J. Powers; Code 3512—Naomi P. Pingel; Code 4054—James S. Dalton; Code 40507—Dianetha L. Francis; Code 4552—James C. Blackmon; Code 505—Victoria E. Gumes; Code 5072—Leon Reid; Code 5523—Robert F. Gervais; Code 55422—Arthur J. Harman; Code 5731—Robert T. Merriman; Code 5732—Gale V. Pingel; Code 6014—David L. Johnson; Code 6521—Marjorie Wisecarver; Code 70411—William D. Moory; Code 70432—James K. Sterling; Code 70433—Charles G. Walker; Code 70434—Cecil B. Cole and Clay M. Tunstall; Code 70435—Clarence G. Johnson; Code 70762—John A. Wick; Code 70763—George S. Odell; Code 75103—Mary W. Miller; Code 7531—Robert S. Buck and Nancy J. Ong; Code 8412—Beth L. Patton; Code 8426—Glenn Van Valkenburg; Code 8436—Ellis D. Aves; Robert L. Maure, Leon H. Smith and Earl W. Stonecker; Code 8544—Evelyn F. Kraghbaum; Code 8552—Patricia M. Emerson and Jenny Stephens; Code 8822—Melba F. Veon. NWC OFFICERS Departure: Lt. Cdr. Dale A. Iverson. NAF OFFICERS Arrivals: Lt. Cdr. Joseph R. Brown and Lt. Jg. Robert G. Engelhardt. Departure: Lt. Michael R. Scott. NAF Enlisted Personnel Arrivals: AK2 Henry N. Alano, ADJAA Richard P. Campitelli, CSI Lester D. Chafes, AZAA Richard W. Cuhn, AZ1 James M. Engstrom, ADJ3 William A. Foster, ADJ3 Rodolfo D. Garcia, ADJAA James R. Hamilton, AZ3 David Hillie, ADJAA Thomas M. Hubbard, AZAA James E. Jackson, SR Dennis W. Kendall, AZ3 John B. Lingbaan, ASM2 James A. McBride, AR Timon M. McGee, CSI Dale S. McCree, HM3 Thomas L. D. Newbecker, AZAA Tyrone O'Neal, AZ2 Porfirior Romero, ETR2 Charles G. Sears, ETN3 David C. Townsend, BM2 Paul R. Wamsley and AZ3 Edward A. Wiensneke. Departures: SH1 James W. Amos, SA Charles S. Cileo, HM1 Robert J. Engelhart, EMC Jose J. Gavines, CS2 Leopoldo M. Leyran, SN Dale S. McCree, HM3 Thomas L. Montague, HM3 Kerwin M. Thomas, HM3 Nelson E. Walls and SA Del L. Williams. VX-5 OFFICERS Arrival: Lt. Jg. Lance D. Sirmans. VX-5 Enlisted Personnel Arrivals: AR James R. Cassell and AR Douglas L. Ostrum. Departures: LIC Patrick L. Childers, ADJ3 Timothy L. Garrison, ADJ3 David J. Haines, ADRAIN Paul E. Haubold Jr., ADAN Phillip W. Hutchinson, SDD Felizardo P. Reyes, AZ3 Donald G. Sneed and DP2 Kerry G. Stone.

Employee In The Spotlight

"I have never been able to say no to anyone who asked for help." That pretty much sums up Nick Kleinschmidt.

Perhaps one might qualify that statement a bit further and say, "particularly children."

For most of his life, Nick has been involved in helping children. He's been active with Cub Scouts, PTA, Boy Scouts, and the Optimist Club, the Indian Wells Valley Swim Team, the Burros Band Boosters, and is well known as a friend to all those children who enjoy water skiing, boating and swimming.

Nick was born in Custer, Mont., and grew up in Ft. Benton, where he was graduated from Ft. Benton (Mont.) High School. He attended Montana State College, now Montana State University, at Bozeman and was graduated with a Bachelor's degree in mechanical engineering.

Nick came to work at China Lake in March 1952 in the Optical Mechanical Branch of the old Test Department's Instrument Development Division, under George Shriner.

In June 1956 he transferred to the Rocket Department (now the Propulsion Development Department) and worked under Frank Gagliardi. He has been in the same code since that time. Along the way Nick has worked on ASROC, CALEB, HIHOE, FAX (now FAE) and Fireye.

He is now working on modular weapons system warheads under Dick DeMarco and Paul Cordle. "Basically, I was the project engineer, or a project engineer, while working on those systems," he said.

For his outstanding work, Nick has received a Superior Accomplishment Award and a Sustained Superior Performance Award. In addition, Dr. Bill McLean wrote him a letter of appreciation for work he performed on HIHOE and he has also received a quality step increase.

Nick and his wife, Pat whom he met while both were students at Montana State, have shared many things together. She is presently a teacher at Pierce Elementary School and received a Master's degree in education from San Fernando State College.

Pat and Nick enjoy water skiing and both have been active in the Parent-Teacher's Association locally. Nick has served as a treasurer, director of health, education and welfare, on the bicycle safety committee as chairman for four years with the China Lake Elementary PTA, and Pat has held the office of PTA president. In addition, she has been president of the China Lake Education Association.

Both are very active supporters of the Indian Wells Valley Swim Team. Their two sons, Nick, Jr., and John, have competed on the team. Nick is presently a student at Montana State University majoring in industrial arts and auto mechanics. John, a senior at Burroughs High School, plays the baritone in the band, is a Key Club and Lettermen's Club member, belongs to the swim team and is very active with the Boy Scouts. He will soon attain the rank of Eagle Scout. One of his treasured memories is a Jamboree he attended that was held in Japan.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.



Nick Kleinschmidt

Nick also has been active with Boy Scouts. He was committee chairman for Troop 41 (John's unit) for 9 or 10 years and is the water skiing merit badge counselor. He is also a member of the Order of the Arrow.

With the Optimist Club of China Lake-Ridgecrest, Nick has served as chairman of the annual Punt, Pass and Kick contest, and also filled the offices of vice president and secretary-treasurer. He is currently the club president.

When his boys were younger, Nick served Cub Scout Pack 1341 as a pack leader for three years.

He enjoys water skiing, swimming, boating, and working on automobiles. In addition, he and Pat have a cabin in the Greenhorn Mountains which they work on in their spare time.

When she's not swimming, skiing, boating, teaching or rooting for John, Pat likes to oil paint.

If you happen to be driving down Coral Sea Circle and see a group of noisy kids happily loading up a boat and trailer, supervised by a rather tall fellow with glasses on, that's the Kleinschmidt residence. Unless you want to pitch in and help, don't stop.

Besides, Nick does all right by himself.

Bad Approach Nets Airplane Landing Mishap

You can't make a good landing out of a bad approach... as David Smith, a student pilot of the China Lake Navy Flying Club recently found out the hard way at NAF. Smith's unfortunate indiscretion resulted in two broken wheels, a bent propeller and some wrinkled sheet metal on one of the club's American Trainer TR-2 aircraft.

Although repair of the aircraft is only a one or two day job with three additional days required for painting, club spokesmen have released information that the plane will not be available for two or three weeks, due to the time required to obtain parts.

Smith received no physical injuries in the accident.

Social Security Man To Visit China Lake

A representative of the Social Security office in Lancaster will pay another in his regular series of monthly visits to China Lake next Wednesday, Dec. 13.

Persons wishing to obtain a Social Security number or apply for Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.

## 'Wrong Foot' Bryant Blasts 706 Set in Desert League

Bill Bryant, the "wrong-foot Louie" of Hall Memorial Lanes, rolled games of 230, 269 and 207 for a 706 series in last week's running of the Desert Bowling League.

Bryant's nickname comes from the fact that he takes only three steps and winds up on the wrong foot (his right foot) for a right-handed bowler. A very famous professional bowler, Lou Campi, did the same and was known as Wrong-Foot Louie all of his competitive years.

Warren Schad, although dwarfed by Bryant's score, turned in a respectable 649 series on games of 247 and 220. Harold Dauer, who seems to always be in the winner's circle somewhere with daughter, Margaret, finally made the honor roll of his league, shooting a 233 game and a 612 series.

Other scores and league results follow.

### Premier League

Ken Dalpiaz easily led the scoring last week with a 661 series. Games of 237 and 233 helped him reach that plateau. Allen Smith scored a 640 set on games of 223 and 226, and Vic Blacked turned in a 610 effort. Vic rolled games of 207 and 222 enroute to his total tally.

## Vikings Whip Chiefs To Take Over Lead in Girls' Football

Carol O'Dell, quarterback for the Chiefs, single-handedly defeated the Vikings in Girls' Flag Football League action at Schoeffel Field last week to put her team in undisputed possession of first place. The Chiefs won the game, 12-6, when Miss O'Dell passed for one touchdown and intercepted a Viking pass in the third quarter for a touchdown to put the game on ice.

Myrna Martin, Viking safety man, exploded through the Chiefs' defense during a punt return to score the Norsemen's only TD of the game in the second quarter. The Chiefs' record is now four

wins and one loss, with two games remaining to play.

In the second game played that same evening, the '49ers lost to the Raiders, 20-14, in sparkling gridiron action that saw Lori Kunkel make scoring runs of 60 and 40 yds.

Robin Harbin scored for the '49ers on a 35-yd. run around the Raiders' right end, and Sandra Epstein tossed a scoring strike to Dawn Hirschy to put the '49ers back into the game, but a scoring drive by the Raiders in the last quarter ended the hopes of the '49ers, as the Raiders won the game, 20-14.

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## Intramural Hoop League Begins

China Lake Intramural Basketball League action got under way in earnest on Nov. 28 when the Dispensary cagers downed the Red Devils, 44-40. The game was nip and tuck until the final two minutes when the Red Devils' leading scorer, Bob Gaines, fouled out and the Dispensary gang moved ahead to stay.

The NAF Hawks showed they will be a force to contend with in the Division A competition as they easily downed Loewen's Lions, 63-58. Lee Bess scored 23 points for NAF.

Rounding out the evening was the overtime defeat of the Supply hoopers by an aroused Tweets squad in Division B competition. Dick Hansen scored 23 points for Supply, but it wasn't enough as the outside shooting of Jimmy Brown (18 points) and the rebounding of Al Olsen sent the box stackers down to defeat, 41-40.

Employing a "fast break" (which consisted of three guys staggering down court), the Over-the-Hill-Gang rolled over The Gentlemen, 39-34, in the opening game of action for the league's new "Rockin' Chair" division, Wednesday, Nov. 29.

At the half, the Gentlemen led by one point lead, but the "Gang," led by John Revels' 5-for-5 foul shooting efforts, took the lead in the second half, and held on to win.

In the second game, the Varsity All-Stars shot down Ace-TV in an exhibition match, 58-49, behind the outside shooting of Dale Dowd and Pete Rice and the offensive rebounding of Lee Bess.

Division B competition between the Devastators and Comarco rounded out the evening. The Devastators were simply devastating as they shut out the Comarco cagers in the second quarter and rolled to a 30-19 victory.

Thursday, Nov. 30, opened with the Snarfs snuffing the Hustlers, 48-38, in Division B action. Kevin Johannesen was the high point man for the Snarfs with 13 tallies and Jack Ahearn, with 12 points, led the out-hustled Hustlers.

The NAF Hawks flew past the Odds 'n Ends, who played basketball like they sound in Division A action during the second game of the night. The Hawks won easily, 68-37. Greg Moore and Lee Bess did their thing again as they combined for most of the Hawks' points. Jimmy Hinton netted a surprising 12 points as they all came from deep outside shooting.

The Rockin' Chair game of the night saw 40-Love blow the Fuze Department off the court, 45-10.

The league plays three games per night in the Center gymnasium on Tuesday, Wednesday and Thursday of each week.



**CHINA LAKE FINISHES SECOND** — Mike Machowsky, a flanker for the China Lake MDISL flag football team (No. 32), carries the mail while being pursued by an unidentified Barstow defender during the game between Barstow MCSC and China Lake, won by the local gridironers, 28-12. NWC finished second in the competition behind a huge, well-coached 29 Palms squad. This is the highest finish in MDISL history for an NWC contingent.

## China Lakers Place Second In MDISL Flag Football

Major sport competition in the Mojave Desert Inter-Service League (MDISL) has not been China Lake's strong point... that is, until last weekend.

Before this year's civilian-military team captured second place in the MDISL flag football tournament at Edwards Air Force Base, Dec. 1-3, China Lake had never placed first, second or third in this sport.

The NWC team saw its first battle-action against Barstow MCSC, and soundly trounced them, 28-12, on Dec. 1.

Quarterback Randy Jaramillo opened the scoring by launching the pigskin 60 yds. to John Martin for a TD, then went on to display his skill in handing-off to Rich Lasell, who dodged 50 yds. on an end sweep to bring the score up to 12-0 in favor of China Lake.

Mid-way through the second quarter, Jaramillo again connected with Martin, this time on a 20-yd. pass to score. After NWC successfully completed the extra point-conversion, bringing the score to 20-0, Barstow tallied on a 20-yd. pass to close out the first half with China Lake leading Barstow, 20-6.

Opening the second half, Jaramillo this time targeted Buddy Phillips on a 40-yd. pass for another touchdown. NWC then went on to add the extra-point-conversion, finishing the third quarter out in front, 28-6.

Following wholesale substitutions by the China Lake team late in the fourth quarter, Barstow scored on a 38-yd. screen pass to make the final score NWC 28, Barstow 12.

China Lake was then pitted against Norton AFB in last Saturday's game. Norton has been long noted for its strength in major sports and was the 1972 major sports trophy winner in the MDISL.

Mike Machowsky opened the scoring following a 40-yd. pass from Jaramillo in the first quarter.

The guano hit the mixmaster in the second quarter, however, when Machowsky pursued Norton's quarterback to his 10-yd. line and



By Jack Lindsey  
The morning newspaper carried the information that every time golfer Jack Nicklaus swung a club on the tournament trail this year, it was worth \$62. The big belter won \$325,542.26.

"I guess the next step is \$400,000," he was quoted as saying. "I'll play golf for as long as I enjoy it and as long as I can successfully compete," he also said.

That's nice.  
I am simply wild about the game of golf. And who shouldn't be, living and working at NWC? It's just about the cheapest sport one can engage in around here, once the initial outlay for equipment is taken care of.

But it seems to me that the professional end of the sport is getting further and further away from those aspects of the game most pleasing to the spectator.

Gone are the thrilling matches that used to spark reams of copy from the country's most able sportswriters. Walter Hagen vs. Gene Sarazan in match play, or Sarazan taking on Olin Dutra. And Sam Snead against the "machine," Ben Hogan.

Match play, rather than stroke play, set up most of golf's thrilling moments. Take the time "The Haig" played a match game against the English champion, in England. He showed up 15 minutes late and gave the English whiz the first three holes. When they stepped up to the fourth tee, Hagen looked at his watch and saw that 15 minutes had passed. "All right," he said, "I have given you the first three holes, which took 15 minutes to play and we are now even for the time you spent waiting on me. From here on out, look to yourself," and the great Hagen won the match, 8-6.

On the local links, match play is king. The weekend duffers (myself included), play one another hole-for-hole. I would rather watch a golf tournament finish like the one in our recent club championship when Max Smith made everyone's heart stop with a sensational shot on No. 18 to tie up his match with Lloyd Klaus. Smith went on to win in sudden death.

I wonder, if the major championships were still match play affairs, how well Nicklaus would do? Some say that he's the greatest golfer in the history of the game and that he would do very well. Perhaps.

But I'm reminded of the time Lee Trevino showed up on the first tee with a rubber snake to tease the golden bear prior to an important match. Trevino won and many think that his antics on the course had more to do with it than his sparkling links play.

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**VISITOR WELCOMED**—Rear Admiral Henry Suerstedt, Jr., Commander of the Naval Weapons Center, and H. G. Wilson, NWC Technical Director, were on hand Tuesday morning at the Naval Air Facility to greet Charles Cromwell (at left), a staff member of the Senate Armed Services Committee's Subcommittee on Tactical Air Power. Cromwell, who was accompanied by Cdr. John Wanamaker, from the Office of Legislative Affairs, spent the day here being briefed on the Agile, Sidewinder and Sparrow missile programs. His destination after leaving here was the Naval Air Rework Facility in San Diego. —Photo by PH2 G. L. Taylor

## Drunk Driving Rates as No. 1 Cause of Fatal Auto Accidents

What's to be done about the nation's No. 1 auto accident killer — the drunk driver — was the subject of a recent panel discussion held by the Indian Wells Valley Community Safety Council.

The meeting, which was held at the NWC Driver Education Building, drew an audience of nearly 50 persons, including representatives of Alcoholics Anonymous, the Desert Counseling Clinic, local law enforcement personnel, Help Line, the China Lake Community Council, and the NWC Safety Department.

Out of 55,000 traffic deaths nationally in the past year, a total of 26,000 highway fatalities were attributable to the mis-use of liquor, those attending the seminar were informed. In a further breakdown of these statistics, it was noted that while just seven per cent of the nation's drivers are habitual

## Special Dental Treatment To Be Provided

Children, six years of age and older, who are the dependents of active duty and retired military personnel are eligible to receive the three-agent Stannous Fluoride treatment that will be administered by the NWC Dental Department during the period of Dec. 20 through 29.

The treatment consists of polishing the teeth with a paste that is applied with a small rubber cup, after which a topical liquid is rubbed over the teeth with a cotton swab.

Most important, the NWC Dental Department stresses, is to follow up this treatment with daily tooth-brushing after every meal.

Those eligible can make appointments to have the Stannous Fluoride treatment administered to their children by calling NWC ext. 3581 any weekday for an appointment.

Further information is published in NWC Notice 6620, which was mailed to all active duty military personnel. Anyone who failed to receive a copy of this notice can obtain one at the Dental Department appointment desk, located in the NWC Dispensary.



**CHRISTMAS STAR ILLUMINATED**—The switch was thrown late Tuesday afternoon on the electrical system that now provides power to illuminate the Christmas season star on B Mountain. Installation of the power line and poles was the work of members of Reserve Mobile Construction Battalion 17's Sub-unit 11-2 at China Lake. On hand when the power was turned on were (from left) Ens. S. P. Bovee, USNR, executive officer of Seabee Sub-unit 11-2; Ens. Donald Morris, project officer in the NWC Public Works Department; CE1 R. E. Preul, USNR, who was in charge of the Seabee work force involved in "Project Star," and EOC William Thorpe, USNR.

## Star on B Mt. Lighted, Thanks to Seabees' Help

Lighting the star on B Mountain, something that has become a Christmas season tradition here at the Naval Weapons Center, took place again this past Tuesday night.

The star shining in the east throughout this holiday time of the year is no novelty to NWC employees and residents, but behind the scenes this year there has been a considerable amount of hard work by the members of Reserve Mobile Construction Battalion 17's Sub-unit 11-2 at China Lake.

The local Seabee Reservists recently completed a task, begun in July, of installing an electric power line, transformers and a photoelectric cell that will enable the lights outlining the B Mt. star to be turned on and off automatically at dusk and dawn throughout this holiday season.

Heretofore, a diesel-engine electric generator had to be hauled up the mountain to provide the power needed to illuminate the star's 460 60-watt light bulbs. This was not a trouble-free operation, since, in addition to breakdowns and running out of fuel there also was occasional vandalism.

A total of 160 hours of regular weekend drill (approximately 340 man-hours) was contributed by a platoon of Seabee Reservists led by Construction Electrician Chief William Johnson and R. E. Preul, construction electrician 1st class.

The route up B Mt. for the electric power line was surveyed last July by the Seabees and during monthly drills thereafter they dug holes for the poles, installed transformers and switches and about 2,400 ft. of wire.

Seabee Reservists who were members of the platoon assigned to handle "Project Star," in addition to CEC Johnson and CE1 Preul, were A. P. Koharchick, D. B. Edwards, W. M. Lamb, Bob Bartels, D. L. Peters, Clark and Christiansen.

Others who also pitched in and helped were D. R. Glover, P. H. Murphy, M. J. Windsor, J. L. Stevens and W. R. Hickok—the latter, a member of RMCB 16, is employed locally by an electrical contractor, Sage Communications in Victorville.

Another milestone — the first million dollars in assets — was reached in 1958, and it took six more years to reach the \$5 million mark. By 1970, assets of the NWC Federal Credit Union had climbed to \$10 million and the membership total was at the 22,000 mark.

The year 1971 was a banner one for the NWC Federal Credit Union, whose assets grew \$5½ million by the year's end, and this year a nearly similar rate of growth has occurred enabling Credit Union assets to reach the \$20 million mark by September. A further increase is anticipated by year's end, Boehme stated.

The new Credit Union building is more than twice the size of its present quarters. There are eight teller stations, in place of the three that now exist, and there also are eight private loan interview offices, instead of five semi-private offices for this purpose. In addition, the new building has a bookkeeping and accounting department; a book vault for member files; a collections department; offices for the manager, assistant manager and secretary; a large employees' lounge, and a board room, plus 800 sq. ft. for storage or use in meeting future growth needs.

drunks — it has been found that this same seven per cent has been responsible for two-thirds of the nation's fatal traffic accidents.

Locally there has been a crack-down aimed at getting drunk drivers off the road. One result of this effort has been the finding by Judge G. E. Thompson, of the Indian Wells Valley Judicial District Court, that 40 per cent of the offenders who are hauled before the bench to face charges of driving while under the influence of alcohol are repeaters.

Typical sentences meted out locally to drunk drivers are a mandatory \$360 fine when found guilty of a first offense, while the second such offense brings a mandatory five days in jail, the possible loss of the defendant's driving license and a fine of \$500. The fines for any subsequent drunk driving, violations escalate from

there.

Also brought out during the panel discussion about the drunk driving problem was the fact that when an individual's blood alcohol level is .10 per cent, he or she is considered drunk legally. Such a blood alcohol reading is equivalent to four or five shots of whiskey for a 150 lb. man in the course of a single hour, which is not unusual during an average cocktail party.

Society at large is responsible for the drunk driving problem, but is unwilling to pay for its prevention, those participating in and listening to the panel discussion were informed. While educational programs are good, they take much valuable time, it was noted.

In the opinion of one of the panelists, Sgt. Larry Stanley, of the California Highway Patrol, the most practical thing which can be

(Continued on Page 4)



**TIMELY TOPIC DISCUSSED**—"What Can We Do About the Drinking Driver?" was the subject aired during a recent panel discussion arranged by the Indian Wells Valley Community Safety Council. Among the participants in the discussion were (seated, l.-r.) Frank McElfish, Ann Teppo, secretary of the Safety Council and chairman of the panel discussion; Dr. Ellis Cline, executive director of the Desert Counseling Clinic, and Sgt. Larry Stanley, an officer in the California Highway Patrol.

## Entries Due For Cage Teams At Youth Center

Carol Hape, director of the China Lake Youth Center, announced that no late entries will be accepted for the China Lake Youth Basketball League, which closes registrations on Monday, Dec. 11.

"Due to the number of boys already registered, we will make no allowances for late registrants," she said.

Persons desiring more information may contact Mrs. Hape at NWC Ext. 2909 or 2259.

Persons interested in coaching one of the youth teams are asked to contact Marty Denkin at NWC Ext. 2334.



**BHS FALL SPORTS BOOSTERS**—Capt. D. W. Alderton (left), NWC Deputy Commander, purchases the first ticket to the Burroughs High School's fall sports award banquet from Max Smith, vice president of the Burros Boosters Club and chairman of the banquet committee. The banquet (to honor the varsity football and cross-country teams) will be held on Sunday, Dec. 17, at 7 p.m. in the Commissioned Officers' Mess. Tickets for this event are priced at \$4 per person and are available at the Medical Arts Pharmacy in Ridgecrest, and the Station Pharmacy on the Center. Another event to honor freshmen and sophomores from the football and cross-country teams is planned on Saturday, Dec. 16, at 2 p.m. at the Burroughs Lecture Center. This event is open to the public and there is no charge. —Photo by PH2 D. W. Yeatts

### Fellowships Open to Career Navy Personnel

Outstanding Naval careerists have a chance to apply for the 1973 White House Fellowship Program. White House Fellows are assigned as assistants to cabinet officers and White House staff members. As special assistants, they participate in an educational program which studies the government's processes, personalities and problems.

Naval applicants must be career-designees between the ages of 29 and 36. Some of the criteria for appointment to the program are: Unusual ability, high moral character, outstanding motivation and a broad capacity for leadership. Although not a prerequisite, a master's degree is a substantial advantage for consideration.

Deadline for applications is Dec. 15, 1972. Interested applicants should contact the Program Manager, White House Fellows Program, PERS P-111, Navy Department, Washington, D.C., 20370.



James Belisle David H. Hall Ted Miyatake

### 3 Fellowship Recipients Awarded Masters Degrees

Study under NWC Fellowships at three different universities has resulted this year in the awarding of Master's degrees to James Belisle, David H. Hall and Ted Miyatake.

Belisle, a general engineer in the Engineering Department's Fleet Engineering Division, culminated a year of study by receiving a Master's degree in Engineering Administration that was awarded to him by the University of Utah.

A China Lake resident off and on since 1948, Belisle is a June 1960

graduate of the University of California, where he received a BS degree in electrical engineering.

For his Master's degree in engineering administration, he prepared a space shuttle cost analysis.

Hall, who works as a mathematician in the Propulsion Development Department's Advanced Technology Division, received his Master's degree in math from California State University at Long Beach where, earlier (in June 1968) he had received a BS degree in math.

For his Master's degree, Hall, who has been employed at China Lake for two years, specialized in the study of topology and real analysis.

An electronic engineer in the Fuze Department's Development Division No. 1, Miyatake was awarded a Master's degree in electrical engineering by the University of California at Irvine. For his advanced degree, Miyatake focussed attention on the means of enhancing the contrast in computer film systems.

Miyatake, who was transferred to China Lake from Corona, is a 1960 graduate of the University of Utah, where he received a BS degree in electrical engineering.

### Drunk Driving...

(Continued from Page 3) done is for individuals to refuse to ride in cars in which the driver has been drinking. Such peer group disapproval of drunk driving can help, Sgt. Stanley contended.

Alcoholics run from responsibility and reality, it was pointed out by Dr. Ellis Cline, executive director of the Desert Counseling Clinic, while those AA members in attendance agreed that alcoholics are unwilling to accept the responsibility for their own actions.

The State of California has the highest percentage of alcoholics to be found in the nation, the audience at this meeting was informed, but until community attitudes about alcoholic consumption change through long term educational campaigns, it is feared that the drunk driver will continue to be the No. 1 killer on the nation's roads.

### Assessments Due Following Employee's Death Are Waived

Assessments usually levied by the China Lake Mutual Aid Society and Government Employees Benefit Association have been waived following the death of Floyd Peters, a policeman in the NWC Security Department.

Peters, who was 54 years old, died of cancer at the Ridgecrest Hospital on Dec. 6.

Membership in CLMAS-GEBA is open to all employees of NWC.

### Mutual Aid Drill Staged By Navy, County Fire Fighters

What can be done, constructively, with an old residence that is scheduled for demolition?

Well, for one thing, it can be used during a drill aimed at better coordination between the efforts of Naval Weapons Center fire fighters and their counterparts from the Kern County Fire Department who are stationed in Ridgecrest.

On the mornings of Thursday and Friday, Nov. 30-Dec. 1, a two-hour briefing session was held at NWC fire station No. 1 to coordinate drills to be held later in the day at a former residence, 413 Ranger St., China Lake.

Since most requests in the area for mutual aid would be coming from the Kern County Fire Department seeking NWC assistance, the classroom program was conducted by Capt. Truman Lakin, of the Kern County Fire Department.

Capt. Lakin covered the Ridgecrest water distribution and hydrant systems and their variations from NWC. Also touched on was the apparatus, equipment carried, and techniques used by Kern County fire fighters. In addition, a video tape was shown of a drill involving personnel of the NWC Fire Division showing their techniques.

Moving next to the abandoned residence on Ranger St., the coordinating exercise covered back up and fire attack procedures, relay pumping, and exposure protection, (protecting property adjacent to a burning structure).

This was followed by a drill coordinating, rescue, laddering, and ventilating, (opening a building up in order to let smoke and hot gas escape).

Protective masks were used for entering a smoke-filled building,

and the drill continued with efforts to familiarize all firefighters involved with the types of equipment carried on pumpers of both departments, as well as the rescue truck from NWC.

In addition to Capt. Lakin, seven other men from the Kern County Fire Department took part in the mutual aid exercise. They were Battalion Chief Jack Walker, Engineers Carl Woods and Darryl Moore, and Firemen John Strube, David Ward, David Brassfield and Rodger Smith.

County equipment brought out for the drill included two pumpers and a pickup, in addition to the battalion chief's car. It was augmented by two pumpers, a rescue truck and an ambulance—all of which were provided by the NWC Security Department's Fire Division.

NWC Fire Division personnel under the Supervision of Acting Chief R. E. Rightmer who took part in the mutual aid exercise were Assistant Chief A. C. Lager, Capt. B. C. KinKennon, Acting Crew Chief C. M. Kirkpatrick, F. D. Holley, a driver-operator, and Firefighters J. E. Ball, M. R. Corral, M. W. Gallagher, R. L. McCorkle, D. L. Schultz and H. B. Westfield from Platoon Two on Thursday, Nov. 30, and Asst. Chief Emmet Miller, Captain A. H. Weiss, Crew Chief D. L. Workman, Acting Crew Chief G. G. Villalba, Drivers D. E. Squier and J. A. Ayers, Acting Driver R. D. Metcalf, Firefighters H. T. Espenlaub, J. L. Bradley, M. L. Tosti, J. M. Trigg, D. E. Sprouse, G. L. Wilson and R. E. Fry from Platoon No. 1 on Friday, Dec. 1.

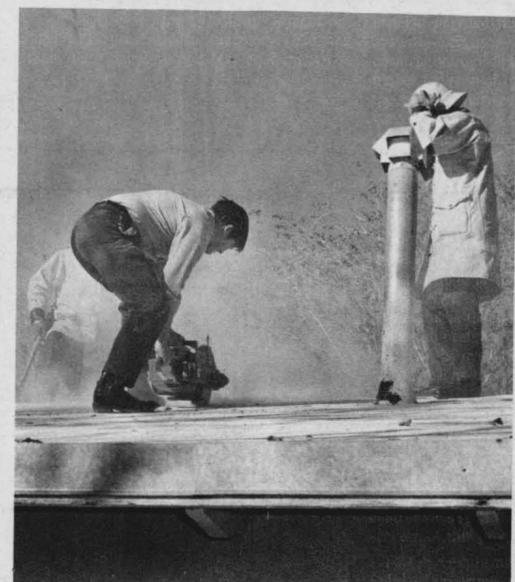
It is planned that these efforts be continued and future exercises held, to promote more efficient fire protection to all citizens of the local area.



**WATER SCREEN SET UP**—Protecting adjacent property, when a fire breaks out, is a major concern of fire fighters, in addition to suppressing the flames inside a burning structure. Shown getting practice in setting up a water screen are Kern County Firemen David Brassfield and Rodger Smith (at right). Their efforts are observed by Capt. Truman Lakin, of the county fire department, and Capt. B. G. KinKennon, of the NWC Fire Division (left background), while F. D. Holley (at left), a driver-operator for the NWC Fire Division, captures the scene for future study using a video camera and recorder.

**GETTING IN PRACTICE**—A pair of Kern county firefighters—Rodger Smith (at left) and Darryl Moore—moved in on a simulated fire from two directions during the drill staged last week at 413 Ranger St.

Photos by PH2 D.W. Yeatts



**TRICK OF THE TRADE**—When a fire is roaring away inside a building, one of the steps that may be used in combatting it is to cut a hole in the roof in order to let smoke and hot gas escape at one designated place. This also lets firemen get quickly to the source of the blaze. Shown practicing such a maneuver, with the use of a power saw, is J. E. Ball, an NWC firefighter, while Acting NWC Crew Chief C. M. Kirkpatrick looks on at right.



**FIREMEN SWING INTO ACTION**—M. R. Corral and D. L. Schultz, two firefighters from the NWC Fire Division, grabbed a ladder from one of the pumper trucks and prepared to put it into use during a drill held in cooperation with Kern County firemen from Ridgecrest. Purpose of the training was to help coordinate the efforts of Naval Weapons Center fire fighters and their counterparts in Ridgecrest in preparation for responding to mutual assistance calls.

### Missile Homes in on Laser Beam...

(Continued from Page 1)

designated target. Tenacious like its namesake, Bulldog clings to the target from launch time until impact.

The Bulldog weapon system has been developed for close-air-support for the Marine Corps and can be used on A-4, A-6 and A-7 aircraft.

Since Bulldog is so accurate, it can be used near friendly troops without endangering them. Front-line troops can request Bulldog destruction of targets near them without either fear of destruction from their own weapon, or fear that their designation of the target may give away their own position to the enemy.

Since the laser beam is not visible to the naked eye, and the pilot may fire the missile from a distance away from the target, and

since the missile itself leaves no telltale vapor trail, there is a desirable element of surprise inherent in the system.

A large launch envelope means that the missile can be fired from a variety of angles, even in low visibility ceiling conditions.

The system will be useful against small ships, trucks, tanks, pillboxes, small bridges and a variety of similar targets, both stationary and mobile.

Development of Bulldog achieved added impetus recently with the spectacular results in Vietnam of an Air Force-developed laser guided bomb.

Totten pointed out that "laser weapons are really doing big things in Vietnam nowadays."

He explained that Bulldog will prove more versatile than the

laser-guided bomb because it can correct more precisely for target maneuvers after the weapon is launched.

Dale D. Batchelder, missile project engineer, pointed out that, unlike laser guided bombs, which require normal ballistic bomb delivery techniques, Bulldog has a large delivery envelope and can be fired at long ranges and low altitudes with pinpoint accuracy.

A variety of land and sea target situations and an amazingly high success-to-failure ratio have characterized the 27 test launches to date. Test launches demonstrated conclusively Bulldog's pinpoint accuracy.

Bulldog was designed to use existing hardware and technology to the maximum extent possible. It uses the Bullpup airframe, presently in inventory. Existing handling and test equipment has

been modified for use with the system. A newly designed guidance control unit (GCG) draws heavily on Sidewinder technology.

Since Bulldog uses existing components from other systems wherever possible, a reasonably inexpensive and rapidly developed missile has resulted. It also has been designed to be compatible with a variety of existing laser designators, and this compatibility has been proven in the test launches.

Because so many of its components are available "in house," the prototype and pilot production Bulldog missiles are being assembled on-Center—an unusual aspect of this program.

During their development effort, NWC engineers considered all aspects of readying the weapon system for use. The modular construction of Bulldog's hardware makes for ease of maintenance of the system. Fully equipped mobile vans have been designed to fault isolate malfunctions of the system. Each van, designated the Mobile Missile Maintenance Facility, will be located within a Marine Corps maintenance squadron.

Totten summed up the Bulldog developmental effort by pointing out that "one of the reasons that many NWC programs are so successful is that the Center does the initial design effort, then turns the concept over to a contractor who develops the prototype hardware."

He added, "Bulldog is another example of the success of this approach. It is to the dedicated work of many good people both here on-Center and from the contractor's staff that we owe the success of this program."

Totten explained that the Bulldog program personnel on-Center turned the product of their initial developmental effort over to a contractor, Texas Instruments of Dallas, and that a concerted and dedicated effort by the contractor produced prototype guidance control units within the short time of six months.



**BULLDOG SCORES HIT**—In this sequence of flight test photographs, Bulldog streaks toward its target, scores a direct hit, and demolishes it. This tank is one of a variety of targets used during flight testing of the weapon system.