

### Interstates Offer Speed, Safety

WASHINGTON (AFPS) — The Interstate Highway Systems have some compelling advantages—safety and speed—for military families on the move this summer for vacations or assignment moves.

According to Federal figures, the accident-fatality rate on completed portions of the Interstate network is currently 2.8 deaths per 100 million vehicle-miles. Compare that to 6.9 per 100 million vehicle miles on highways that previously carried the traffic flow.

The Interstate system has resulted in average driving time reductions of nearly 30 percent and more for long hauls over the past decade, according to comparisons made by Rand McNally & Company's annual "Road Atlas of the United States, Canada & Mexico."

In the map (left) the lightface type shows the 1960 driving time between major cities. The boldface type shows the 1971 figure. Actual driving times may vary according to individual driving habits and weather and traffic conditions.



**FORTY YEARS OF SERVICE**—Adm. W. J. Moran, NWC Commanding Officer, pins a 40-Year Navy Length of Service pin on Basil E. Church, a Pipefitter in the Metal Trades Branch of the Maintenance-Utilities Division, Public Works Department. He enlisted in the Navy in 1931 and served 25 years as an enlisted man, retiring with the rank of CPO in 1956. He joined NWC in 1956 as an Ordnanceman in the Propellants and Explosives Department. Mrs. Church watches the ceremony.

### 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

(GP) - ALL AGES ADMITTED  
Parental Guidance Suggested

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

**FRI 16 JULY**

**"WHERE'S POPPA?" (84 Min)**  
George Segal, Ruth Gordon  
7:30 p.m.

(Comedy-Satire) Those who can take a few nasty truths will appreciate this darkly humorous attack on Momism. She's 80 years old, dotty, and demanding. The unsympathetic creature is supported by a guilt-ridden son and his trouble-prone brother. (R)

**"Corn on the Cob" (7 Min)**  
"Natural Flower of Brooklyn" (13 Min)

**SAT 17 JULY**

**-MATINEE-**

**"FATHER GOOSE" (116 Min)**  
Cary Grant  
1 p.m.

**NO SHORTS**

**-EVENING-**

**"THE BUSHBABY" (101 Min.)**  
Margaret Brooks, Louis Gossett  
7:30 p.m.

(Adventure) Daughter of an African game warden misses her ship when she leaves it to set her pet Lemur free in the jungle and she is believed kidnapped. An unusual story with lush tropical background. (G)

**"Soup's On" (7 Min)**

**SUN and MON 18-19 JULY**

**"HUSBANDS" (127 Min)**  
Ben Gazzara, Peter Falk  
7:30 p.m.

(Comedy-Drama) Three lifelong New York businessmen buddies go on a bender after the funeral of a friend and wind up in London seeking to shake off their frustrations and dreary inhibited life. It's a swinger! (GP)

**"Soup's On" (7 Min)**

**TUES and WED 20-21 JULY**

**"GETTING STRAIGHT" (124 Min)**  
Elliott Gould, Candice Bergen

(Drama) Literate, amusing script! Has Gould as a graduate student, a former radical leader, who forges continued militancy to pursue his Master's Degree. He sympathizes with "The Cause" but can't get involved. Can he really do his own thing and also abide by the establishment without getting caught in the middle? Here's one of the better films of the year. (R)

**NO SHORTS**

**THURS and FRI 22-23 JULY**

**"KRAKATOA, EAST OF JAVA" (97 Min)**  
Maximilian Schell, Diane Baker, Brian Keith

(Adventure) Thrilling search for sunken treasure and the hair-raising attempt to recover it. Based on the factual explosion of the island and the shock wave which was heard 300 miles away. DON'T MISS THIS CLASSIC! (G)

**"Clippety Clobbered" (7 Min)**  
(A Roadrunner)

### Make Test Reservations Now!

Reservations for the Bakersfield College Placement Test Battery to be given at the Desert Campus on August 4 and 5 at 6 p.m. and August 14 at 8 a.m. are now being accepted.

The test battery will consist of an English Classification Test, a Reading Skills and College Aptitude Exam. An advanced Math Placement Test will also be given for students who plan to take Calculus.

Students entering the Desert Campus of Bakersfield College for the first time are advised to take the entire battery of placement tests. The scores from the tests will be used to assist college counselors in helping students plan a course of study and to aid them in making decision regarding long-range educational goals.

Individuals taking the test are asked to bring a ballpoint pen. All other testing materials will be provided. College counselors advise students to be rested before taking the test and to wear comfortable clothing. If a student should become ill, an alternate testing date should be arranged.

Those desiring to take the exams are requested to submit their names to the college office at their earliest convenience so that sufficient copies of the tests can be ordered. Further information may be obtained by calling the college

office at 375-1548.

**Counseling**  
Students should now begin making fall semester counseling appointments at the Desert Campus of Bakersfield College, announced Paul Riley, director of counseling and student services.

Individuals wishing to make counseling appointments should be carrying six units or more and be working toward a high school diploma or college degree.

Counseling appointments may be scheduled from Tuesday, August 3 to Friday, September 3 from 9 a.m. to 4:30 p.m. by calling the college office at 375-1548. The college office is open during the month of July from 10 a.m. to 1 p.m.

The college counselors will assist students in planning a course of study, aid them in making decisions regarding long-range educational goals and help to solve other related educational problems.

Students not working toward a high school diploma or college degree may have their questions answered during the three days of open registration.

Open registration will take place on Tuesday, August 31 and Thursday, September 2 from 5 to 8 p.m. in the Burroughs High School Multi-Use Room. Day registration will take place from 9:30 a.m. to 3:30 p.m. on Friday, September 3.



**DEFENSIVE "DRIVING" URGED FOR ALL** cyclists and motorists. Sharon and David, racing each other, didn't see the car coming down the street. With the speed of lightning, Sharon jumped off just before the car hit the bike; David hit the side of the car. Fortunately, the driver saw the children first and began making "his" stop. The Safety Department points out that recently there have been six traffic accidents involving children on bicycles; one child's body broke the windshield of a Sprite auto. Motorists are urged to be alert to the increased number of young cyclists on the streets and parking areas at various hours during the summer vacation.

### Capt. Sturman . . .

(Continued from Page 4)

youngest of our three children will be coming out here the first week in August." The other two children will be in college.

In addition to improvements in family housing, Capt. Sturman (as Officer-In-Charge of Construction) will also oversee contracts for an addition to the Michelson Laboratory, a new enlisted bachelor housing facility, and a new Bachelor Officers Quarters, if present programming efforts are successful.

"Current plans call for the new bachelor enlisted quarters to be started sometime in 1973. This will not be a barracks in the old sense. It will have comfortable rooms for the men and modern lounges and bathroom facilities.

"Actually, Navy barracks are as good an example as any why we need a master plan. In the 1950's the Navy built a standard barracks which was nothing but a concrete mausoleum. Like many Navy buildings, they were strong and built to last, but they were built without architectural and "livability" considerations. Today they are outmoded.

"Whether the Center's problem is the construction of new barracks, family housing or a research facility, or improved maintenance of existing facilities, we're all working toward the same goal. And the function of Public Works is to provide optimum service at minimum cost."

From \_\_\_\_\_

TO \_\_\_\_\_

**PLACE STAMP HERE**

### From The Desk Of CNO: People Programs

During the past year, I have watched with continued satisfaction the progress of personnel-oriented initiatives we have taken. I would like to share with you my assessment of where we stand.

I assumed duties as CNO at a time when it had never been clearer that we must attract and retain more high-quality personnel of all ranks and rates to man the Navy of the 1970s. Secretary Chaffee and my predecessor, Admiral Moorer, had recognized this need and had initiated actions to improve retention, with the Secretary's invaluable assistance and full support, we have built on these innovative programs designed to reflect the needs and aspirations of our shipmates. I believe these new policies have achieved some degree of success.

As you know, our programs are aimed at putting people first in priority. I have been especially pleased with the cumulative results of the initiatives we have taken for the benefit of all ranks and rates within our Navy. For example, even a cursory review of the programs as a whole reveals that they provide benefits to all Navymen regardless of career status, e.g., improved services, dependent air charter, leave and watch policies, to mention only a few. No one segment of the Navy is held above any other, nor is any age group more important to our success than another. Without the invaluable professional competence of our career officer and enlisted leadership, the Navy could not survive as an effective fighting force. Similarly, without the enthusiasm and hard work of our junior people, we could not operate nor would we have a future.

In assessing the results of our programs, I am pleased to report that substantial gains have been made in recruiting, retention, and the growth of career satisfaction. Most encouraging have been letters and personal contacts which clearly indicate that the actions we are taking are having an impact on the lives of individuals.

As I move into the 2nd year of my assignment as CNO, I want to restate my views, this time in context of this assessment of the first year's effort.

The basic objective of our people programs is to instill at all levels an attitude which clearly recognizes the dignity and worth of each individual and creates an environment in which every officer and enlisted man will be treated with respect and accorded the trust, confidence and recognition each human being wants and deserves. This is not incompatible with the concept of disciplined military life, but rather an important part of enlightened, sensible military leadership. The key to achieving our objective is genuine understanding of these concepts.

A basic tenet is that with respect and confidence goes a commensurate degree of responsibility. When accepting a privilege, an individual also assumes the responsibility to abide by the spirit and intent of the policy granting that privilege. While a large majority has recognized and adhered to this axiom, a few have tuned out the responsibility part and sought only the privilege. This small minority has caused some anxiety, both within and outside the Navy, that changes signify relaxations which inevitable will lead to a mass breakdown in discipline. I do not accept this view, but neither do I intend to permit an undisciplined few to deprive the majority of the privileges and benefits of our new programs.

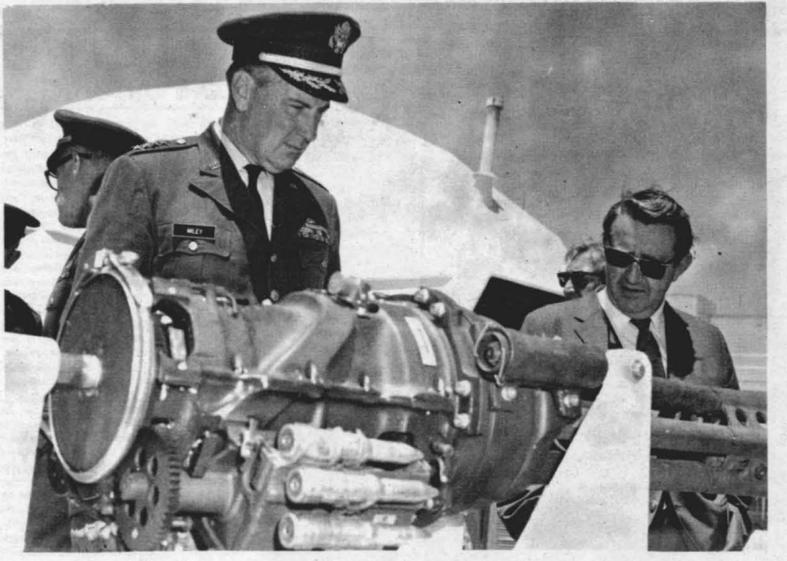
We are fortunate in having wonderful young officers and enlisted men and women in the service. They ask to be treated with dignity, given responsibility, offered challenge and be tested. These desires underline the need for the finest and most sophisticated kind of leadership at every supervisory level. Leading these bright and enthusiastic young persons today poses a great challenge, but one which can be met with a fine blend of superior professional knowledge, firm authority, understanding and mutual respect. I know of no other group more qualified to undertake successfully this challenge than our senior leaders, officer and enlisted.

I consider vital the maintenance of available, two-way dialogue at all levels of command. Several of our programs were established with this objective in mind. The pers-p office, numerous retention study groups convened in Washington, special Assistants for Minority Affairs, the Wives' Ombudswoman Program, and the many local councils and committees have generated constructive and useful channels of communication without undermining the essential chain of authority upon which our military organization is based. I look to an expansion and growing effectiveness of these communications, particularly within individual commands.

I have touched on only a few fundamental ideas. We are working on a broad front to build on the attractive features of our Navy and to improve wherever we can. In the coming years, our challenge promise to be even greater than in the past.

As the All-volunteer Navy draws closer and austerity continues to reduce our finding, it will be increasingly necessary that each individual shoulder a larger portion of the job of keeping our Navy the finest in the world. This will, in the future, as it has in the past require that each of us consider our service not as a job which requires only regular hours and limited commitment, but as a profession which demands of us our very best efforts, freely and willingly given, on behalf of our country.

I urge each of you to approach our profession with the fullest measure of imagination, enthusiasm and dedication to make the Navy as effective and ready as possible, while at the same time, striving to make Naval service a more satisfying and enjoyable way of life. We face an exciting future. It is full of challenge, responsibility and opportunity. Our achievements this past year are due to the dedicated efforts and loyal support of all hands. Keep up that great work!



**GENERAL MILEY VISITS NWC**—Gen. H. A. Miley, Jr., Commanding General U. S. Army Materiel Command, Washington, D.C., inspects an XM197 20mm gun during his brief visit at NWC last week. Dr. R. B. Dillaway, Director of Laboratories, Army Materiel Command, who was a member of Gen. Miley's party, also took part in the tour. The purpose of Gen. Miley's visit was to receive a briefing on the Naval Weapons Center. —Photo by PH3 R. G. Mills

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## Top Managers Discuss Realignment, Refocusing

In the June 1971 issue of News and Views, H. G. Wilson, NWC Technical Director, and Dr. W. B. LaBerge, NWC Deputy Technical Director, were interviewed regarding the recently announced Phase II of the Center's realignment and refocusing plans and explained some of the rationale behind the plans. They also answered several questions of broad interest to Center employees. The first part of the article is hereby reprinted in The ROCKETEER.

(Phase I involved primarily the consolidation of Codes 35, 40 and 42 into two departments, made necessary by the Corona Annex move to China Lake.)

"With the second phase of the Center's 'realignment and refocusing' well under way," stated the article, "we need to talk in some detail about the nature of these changes and the reasons for them."

"The initial planning for this restructuring began almost 2 years ago. Almost without exception, the things which are now being done were originally discussed last year but were set aside for accomplishment at a more appropriate time. The thrust for acting now on the changes came with the visit of the NWC Advisory Board in May," the article went on. "The Board particularly counseled us to make determined moves now to prepare for the future, in part by establishing our roles and missions in a clearer way, a way that aids in their implementation."

The News and Views article continued "Another reason for moving as we are is our conviction that the nature of the changes

under way is such that they need to be done simultaneously and quickly."

**Plans and Programs Office**  
"In addition to rearranging the departments and getting roles and missions for them (see below), in time a small plans and programs office will be set up with responsibility to work full time on the definition of where the Center is going and the development of the early programs that will penetrate new areas. This new office would also assist the Technical Director in controlling and monitoring independent exploratory development and independent research work."

"The plans and programs office will be separate from the Weapons Planning Group. Code 12 is now being encouraged to look vigorously at getting the kind of

**Departmental Changes**  
"In the Systems Development Department (Code 35), the Agile program was combined with the development responsibility for the AIM-9L missile. This concentrates in one department the engineering skills and resources to pursue the air-to-air problem. Another objective is the application of some of the related air-to-air technology to the shipboard problem of attack on other ships and self-defense."

"The changes made in the Electronics Systems Department (Code 35) permit it to concentrate on electronic warfare and countermeasures systems. The technologies and the programs that cover the design of aircraft

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**VISITS NWC**—Capt. R. Williamson, II, who is the prospective commander of the Naval Ordnance Laboratory, White Oak, Maryland, recently visited NWC. He served as Executive Officer of NWC for two years. R. W. Murphy, Head, Weapons Systems Division, Code 301, (left) delivered a briefing on AGILE during Capt. Williamson's three-day visit.



**ECOLOGY FIELD TRIP**—Marilyn McGowan, a teacher for the China Lake Nursery School, explains to Todd Erickson why paper cups and other debris should be picked up and put into trash containers. The ecology lesson was part of a field trip devised by the China Lake Nursery School to educate the children on their up-coming duties as a citizen of the future world. Little Jennifer Roseth looks on in the background.

### 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 652, Extension 2049. Current applications (SF-171) or Standard Form 172 should be submitted bringing your work history up to date if one has not been submitted within the last 6 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.

Electronic Engineer, GS-855-9, 11, or 12, Code 5532, PD No. 7855043 (3 vacancies)—The positions are located in the Systems Electronic Branch of the Product Design Division of the Engineering Department. Duties include circuit design, analysis, and production engineering. Major emphasis is placed on the use of discrete and microelectronic devices covering all areas of electronics: digital, video, switching, etc. Working knowledge of circuit analysis programs and computer programming is desired. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in design and development of digital and analog circuits.

File applications for the above position with Joan Macintosh, Code 657, extension 2371. Clerk-Typist, GS-322-04, Code 702 ARDICC—Duties: Provides clerical support to technical staff, as required to meet current workload. Types correspondence, forms, endorsements, etc.; receives telephone and personal callers, screening calls and referring to staff members or supplying information as appropriate. Qualification Requirements: Applicants must meet qualification requirements of Handbook X-118. (Two (2) years appropriate experience: or education and/or experience.) Duty Station: China Lake, California.

File application for Federal Employment SF-171 with Civilian Personnel Office, Bldg. 37, Code 702.

Clerk-Typist, GS-322-03 or 4, Code 4592, PD No. 540116—This position is located in the Terrain Denial Weapons Branch, Air-to-Surface Weapons Division, Propulsion Development Department. Duties include typing, time keeping, personnel and leave records, travel orders, mail collection and distribution, etc. Incumbent performs secretarial-clerical-typist type duties for the Head of the Terrain Denial Weapons Branch (Code 4592) and in addition, performs clerical, typing, and secretarial duties for other employees in the Branch. Qualification Requirements: As defined in CSC Handbook X-118. Must be a qualified typist.

File applications for the above with Linda Grossman, Bldg. 34, Room 204, Phone 2925. Electronics or General English (4 vacancies) 1ea for F-4J, F-14, A-4, and AGILE AVIONICS SYSTEMS, GS-11-12, Code 3013—This position is located in the Systems Development Department, and is that of systems engineering in the AGILE Avionics Office (Code 3013). The incumbent will be responsible for the integration of AGILE Missile System Tactical avionics into a specific aircraft type. The AGILE system is in the Advanced Development stage. He will be responsible for the design of an AGILE avionics baseline configuration for the particular aircraft in coordination with the subsystem studies conducted during the AGILE avionics development program. This design concept will be interfaced with the specific aircraft by the aircraft contractor. The incumbent will be technical coordinator of this contract. Definition of tasks, monitoring, coordination, integration, review and approval of all tasks will be the responsibility of the incumbent. Analysis, design, test and evaluation will be included in the work effort which must be coordinated. The incumbent will report to the AGILE Avionics Manager. Qualification Requirements: A. Bachelor's degree in engineering and 3 years experience in electronic-electrical system design. B. Technical program management experience, minimum of 1 year. Job Relevant Criteria: Must be able to use results of system analyses, computer simulations, and human factors studies in addition to the output of subsystem hardware developments. Also conduct tradeoffs of candidate systems and participate in ground and flight evaluation of baseline system when implemented in hardware. Must be able to supervise an assistant, if required.

File above applications with Beverly Saiger, Bldg. 34, Room 212, Ext. 2514. Supervisory Mechanical Engineer, GS-839-13, PD No. 7135109, Code 3361—This position is Head, Special Operations Branch in the Electronic Systems Department. This Branch designs and develops a variety of equipment for use by Navy Special Warfare Units. Projects are conducted on a quick reaction basis when needed or follow routine cycle from exploratory development through prototyping to service release. Minimum Qualification Requirements: As defined in X-118 Job Relevant Criteria: 5 years experience as project engineer in charge of the design, development, test, evaluation, documentation and formal release of Navy Swimmer related equipment including special purpose, small arms, ordnance electronic and mechanical finding devices, signaling and communication

### Serviceman's Benefits

## American Red Cross

(First of Two Parts)

This is the eighth in a series of articles on the breadth of servicemen's benefits available to members of the Armed Forces with which they and their dependents may or may not be familiar. In this context, the ROCKETEER will be featuring detailed subject explanations of various related topics in upcoming future issues.)

Founded in 1881, the American Red Cross (ARC) first received its charter from Congress in 1900 and its latest authority comes from Public Law (PL 131, 83rd Congress). The ARC is also officially recognized by the Department of Defense (DoD Dir. 1330.5) and the Military Departments (AR 930.5, AFR 211.11, and SECNAV Instr. 5760.1A). Thus, charter amendments, new federal laws, and military directives give the Red Cross the authority to carry on its expanded activities for the benefit of the members of the Armed Forces and their families, both in peace and war.

#### Mission Statement

"The American Red Cross is the instrument chosen by the Congress to help carry out the obligations assumed by the United States under certain international treaties known as the Geneva or Red Cross Conventions. Specifically, its Congressional charter imposes on the American Red Cross the duties to act as the medium of voluntary relief and communication between the American people and their Armed Forces, and to carry on a system of national and international relief to prevent and mitigate suffering caused by disasters.

All of the activities of the American Red Cross and its chapters support these duties.

Nationally and locally the American Red Cross is governed by volunteers, most of its duties are performed by volunteers, and it is financed by voluntary contributions."

#### Mission is Flexible

While the responsibilities of the Red Cross are specifically spelled out, they are broad enough to cover changing times, situations and needs.

The Red Cross Blood Program provides blood and blood products to many military, Veterans Administration, and civilian hospitals, when such service is desired. Also, upon request, the program replaces blood used by the overseas serviceman's family who are hospitalized in the continental United States.

Current thinking concerning the relationship of the American Red Cross to the Armed Forces is that the ARC supports and supplements without duplication those activities that affect the health, welfare, recreation, and morale of military personnel and their families.

#### Services Available

The ARC concerns itself with people and their problems and accordingly its activities are as diverse and unique as the people asking for help. A general catalogue of services encompasses the broad field of social work, activities such as:

Counseling on personal and family problems; Transmitting information between Armed Forces' members and their families when normal channels do not suffice; Providing information needed by military commanders to assist in his decisions affecting morale and welfare of military personnel, such as, getting the facts to verify granting of emergency leave; Furnishing information to military personnel about government benefits available - federal, state, and local; Referring military personnel and their families to other social agencies which offer specialized assistance, like legal assistance, medical or psychiatric care, employment, and child welfare services; Providing money - loans or outright grants - to military personnel on emergency leave or in any circumstance that requires their presence at home; Making loans to military dependents when allotment checks are lost or late; Offering patients in military hospitals a wide range of services including medically approved recreation programs, help to relatives, visiting patients at military hospitals, assistance to patients unable to help themselves, from writing letters to running errands, and mustering medical volunteers when requested to augment military medics.

#### Limitations

ARC limitations are best understood by taking it from the positive and regarding the Red Cross as a quick, efficient emergency service. The ARC is not structured or geared to attack social problems over the long haul. Other civic and service organizations and governmental agencies fulfill these responsibilities. Accordingly, the Red Cross will not commit funds for repaying debts, starting a business, paying a fine, posting bail, paying legal counsel, or supplementing military pay to meet a desired standard of living. These restrictions do not imply that the Red Cross regards these problems of no consequence. Rather, the ARC stands ready to refer the military family to other organizations better equipped to do the job, such as military legal assistance offices, the various aid societies of the Armed Forces, and federal, state, and local welfare agencies.

#### ARC Service is Global

Usual point of contact for active duty personnel is the office of the Red Cross Field Director who is found on every major installation and principle hospital at home or overseas. Military dependents not living near installations can make their contact through their local Red Cross chapter. (There is one in every city or county in the United States.) Military personnel can, of course, contact local ARC chapters, and dependents can contact the field director at military installations.

(Continued Next Week)

### Realignment and Refocusing . . .

(Continued from Page 1)

equipment and missile systems for reconnaissance, penetration, and attack of radiating targets, have been placed together in the Electronic Systems Department. With this, Echo range and the management of the countermeasures programs were moved to Code 35.

"The primary mission of the Weapons Development Department (Code 40) has been modified to include integrated design of aircraft avionics and weapons for strike aircraft. This includes the current guided weapons activity by the Weapons Development Department but places added emphasis on establishment of simulation and test facilities to better understand the requirements for new aircraft weapon systems.

"The Propulsion Development Department (Code 45) takes on the additional role of lead department for all NWC free-fall ordnance development, combining that work which had been done in other departments into one management group for the Center.

"No substantial changes to its current mission were made in the Fuze Department (Code 50). Center management will be working with the Fuze Department, though, to see in what additional areas it may work.

"The Engineering Department (Code 55) has been asked to provide a broader range of critical engineering support services to NWC. In particular, it will contain the new centralized aircraft and ground ranges, with the exception of Echo range. Since the ranges being combined have substantial similarity of equipment and skills, it is hoped to operate all the ranges in a more integrated way, with a substantial reduction of costs. Separately managed ranges had been running in the hole about \$500,000 a year. To make up for this overrun, NWC's investment in discretionary new developments has been reduced.

research move into application in other departments. The basic research people should be a group motivated and willing to think of what the potential applications of their research could be," they commented, "but the primary responsibility for the applications will be within the development departments. The researchers will be encouraged to do high quality research with very little outside interference," they added.

#### Phase III

"With the exception of clarifying the role and mission of the Fuze Department and any responses as a result of any direction received from NAVMAT, the Directors stated they do not visualize any large set of changes beyond those recently made.

"The Technical Information Department (Code 75) has traditionally participated excellently in the documentation of our programs. This will continue. Its assumption of any additional functions will be explored, but no moves are immediately intended," they said in the article.

Wilson and Dr. LaBerge continued, "As we undertake more and more major programs, NWC clearly needs a common way of doing business. Central Staff (Code 17) will increasingly be the instrument for achieving commonality in administrative documentation and reporting—largely with respect to funds, billets, and manpower. It would not, however, have any increased responsibilities for the programs. At some later date, we may choose to centralize in Code 17 those people working in the financial and program information areas. This has the threefold advantage of expanding career development potential for the staff person, giving us a way to facilitate the necessary standardization, and precluding any overlapping or duplicating of work between Code 17 and the departments."

#### Advantages of Specialization

The article went on to say "The movement toward specialization within departments should give us the ability to better mobilize and allocate our resources. It offers clarity to our sponsors, allowing them to know really with whom to deal. This is not an abolishment of the 'no exclusive franchisees' rule. We fully expect that departments having the management responsibilities will not do all the work with their own organizations. Particularly, for exploratory development programs, the 'no franchisee' rule not only exists but is encouraged. So we view this change as typical of what good management does—regroup about every 5 years to match its organization with its objectives. We would stress that we're not offering a program of constant change, but only one of looking at what we have about every 5 years.

"In looking at the future," NWC's two top managers concluded, "we have tried to fix especially on what the greatest military needs are and what our technology can permit us to do in meeting those needs. The modest realignment of Center functions should allow us to meet the major requirements and opportunities that we face. We expect that our people are not afraid of change and will meet new challenges with their traditional imagination and vigor."

Both Mr. Wilson and Dr. LaBerge stated that they are "dedicated to finding a way to have the new understandings from



**GROUP AWARD**—NWC Public Works Officer William Sturman (center) congratulates four Public Works employees after they were selected to receive a Group Superior Achievement Award. The recipients are (left to right): John Dollman, Arthur Koog, Lyle Morgan and James Crista, who

devised and accomplished the replacement of hot water heater valves in Wherry Housing. The group thought of the plan, redesigned the relief valve discharge system, and then replaced the old valves with new ones.

—Photo by PH3 R. G. Mills

### PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

equipment and other devices related to surface and subsurface special operation. A thorough knowledge and understanding of special warfare environmental factors is required. Incumbent must have proven supervisor leadership and program management qualifications and abilities. A BS degree in AE is required along with a working knowledge of state of the art electrical-electronic theory.

File application for above with Sue Prasolowicz, Bldg. 34, Rm. 204 ext. 2577. Electronic Engineer, GS-855-9, 11, or 12 (1 position) Code 5532, PD No. 7155006—This position is located in the Systems Electronic Branch of the Product Design Division of the Engineering Department. Duties include analysis, test and evaluation in microwaves, antenna, and electromagnetics. The incumbent works in the electromagnetic vulnerability interference area, where he conducts susceptibility and signature measurements on Center developed missiles.

Minimum Qualification Requirement: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in microwave analytical techniques, antenna measurements, and electromagnetic fields work. File applications for above with Joan Macintosh Code 657, Ext. 2371.

Secretary—DMT, GS-318-4 or 5, PD No. 7125108, Code 352—Incumbent is Secretary to the Head, RF Development Division, Electronic Systems Department. Performs regular secretarial and typing duties. As secretary to Head, RF 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 out-going official Division correspondence for conformance with Center and Department procedures and policies. Minimum Qualification Requirements: GS-4: 2 years general clerical experience. GS-5: 2 1/2 years general clerical and 6 months specialized secretarial experience. Job Relevant Criteria: Incumbent must be proficient in the use of a dictating machine, be an accurate typist and be thoroughly familiar with policies and procedures for reviewing official out-going correspondence.

File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, Ext. 2577. Information Receptionist (Typing) GS-304-2 or 3 PD No. 260002, Code 002—This position is located in the office of the Technical Presentations Coordinator. Duties include scheduling conference rooms for lectures, conferences, etc., making appointments for visitors to the Center, arranging for transportation for visitors, typing simple forms and correspondence. Minimum Qualification Requirements: GS-2 6 months experience. GS-3 1 year general clerical experience. Job Relevant Criteria: Must be pleasant, neat and tactful in dealing with people.

Personnel Clerk (Typing) GS-303-3, 4 or 5, PD No. 30105 Code 457—Performs following duties for a major department: Processes all actions affecting appointments, promotion, change to lower grade, transfers, within-grade and quality step increases, pay adjustments, separations and conversion of appointments. Performs non-competitive qualification ratings, processes classification actions and maintains associated files and records. Processes claims for retirement, etc. Minimum Qualification Requirements: GS-3: one year of clerical experience. GS-4: one year

of general clerical experience plus one year of specialized experience. GS-5: one year of general clerical experience and two years of specialized: 6 months of which is directly related Job Relevant Criteria: 1) qualified typist, 2) Must have a firm regulatory background of current FPM, CMMI, SecNAV instructions, OCMAM instructions and NWC instructions to process personnel actions of all types 3) Must have experience in non-competitive qualifications rating in terms of X-118 and J-Elements 4) Must be able to provide procedural information concerning Federal health and life insurance, retirement and other areas related to personnel. Advancement Potential: May advance to GS-4. File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 204, Ext. 2577. Editorial Clerk, GS-1087-5, PD No. 800020Am1, Code 7504—This position is located in the Rocketeer Office, Technical Information Department, primary duties are obtaining information for news articles and proofreading. Also called upon to write caption material, heads, and short articles. Minimum Qualification Requirements: GS-5, 1 year general and 2 years specialized as stated in X-118. Advancement Potential: GS-6 level. Job Relevant Criteria: Knowledge of photography and photo processing and be able to type is desirable.

File applications for the above with Mary Morrison, Code 657, Rm. 210, Phone 2032.

Research Chemist GS-1208-12, Code 4544, PD No. 7145957—This position is located in the Chemical Research Branch, Explosives and Pyrotechnics Division, Propulsion Development Department. Incumbent performs fundamental and applied polymer research in the areas of block co-polymers, graft co-polymers, and polymerization techniques. Must thoroughly understand kinetics and mechanism of organic reactions, synthetic techniques monomer and polymers and general polymer properties. Work is performed independently and requires a high level of creativity. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Up-to-date theoretical background of an academic nature that equates to the equivalent of 12 graduate semester hours of polymer chemistry and 12 graduate semester hours of organic chemistry. PHD preferred.

File above applications with Linda Grossman, Bldg. 34, Room 204, Phone 2925. Research Chemist, GS-1208-12, Code 4542, PD No. 7145958—This position is located in the Pyrotechnics Research Branch, Explosives and Pyrotechnics Division, Propulsion Development Department. Incumbent performs basic and applied research and development leading to new or improved pyrotechnic devices. The incumbent composes, plans and carries out a comprehensive program, including extensive theoretical considerations on the combustion of metals, new compositions and compounds, synthesis of such inorganic oxidizers as needed and the evaluation of such materials in pyrotechnic devices. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: (1) Flame research and development in the areas of metal combustion flames and rocket plumes. (2) In depth knowledge of physical and inorganic chemistry as relates to the fields of pyrotechnic combustion and flame studies. (3) Theoretical knowledge of the equivalent of PHD in chemistry. Specialization inorganic and physical.

File above applications with Linda Grossman, 34, Room 204, Phone 2925. Electronics Technician, GS-854-12, PD No. 7140080, Code 40408—This position is located in

the Avionics Division, Weapons Development Department with the A-7E Systems Integration Task Team. The incumbent will serve as a senior level technician within the A-7E Aircraft Systems Program Office, Code 40408. The group is tasked to provide in-depth technical support to NAVAIR on the A-7E Navigation and Weapon Delivery System (NWDS). This includes system integration, development and modification of system components, and maintenance and support of the Tactical Computer Operational Flight Program. Job Relevant Criteria and/or Selective Placement Criteria: Must be a recognized expert in the design, construction, operational use and checkout of the A-7E NWDS. A general background in aircraft avionics systems is required. Specialties must include general electronic design, avionics design, electronic system interface design, avionics integration and troubleshooting. Knowledgeable in digital computer programming and program checkout processes and laboratory, ground and flight evaluation of integrated avionics systems. Minimum Qualification Requirements: 4 years specialized and 2 years general experience in accordance with X-118 Handbook. File applications with June Chipp, Bldg. 34, Room 204, Phone 2674.

Xerox Machine Operator, WP-44027-08, JD No. 274, Code 7513—Operation of the Xerox No. 4 Photo-Copy Machine to make enlargements and reductions in the sizes of copies in the reproduction of drawings, charts, graphs, tables, reports, and similar work. Uses the Xerox 914 Copier to reproduce, at actual size of the original, drawings, charts, graphs, tables, reports and similar work. Operation of the Ozalid Machine to examine work to be reproduced to determine clarity exposure, adjusts machine speed accordingly and reuns test sheet if necessary to facilitate adjustment. Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C. File Applications and Supplemental Experience Forms with Mary Morrison, Code 657, Room 210, Phone 2032.

### Three Exchange Facilities Closed For Inventory

Three Navy Exchange facilities will be closed for inventory on Monday and Tuesday, July 26 and 27. The closing facilities are: the main Retail Store, the Annex (Toyland), and the Warehouse. These facilities will reopen for regular business on July 28 at 10 a.m.

**Metal Trades Council Information 446-4776**

### LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

- Fiction**  
Burland—A Fall from Aloft.  
Clifford—Blind Side.  
Dennis—Paradise.  
Ellin—The Bind.  
Gallie—You're Welcome to Ulster.  
Greenberg—In this Sign.  
Haggard—The Hardiners.  
Harrison—Daleth Effect.  
Lambert—Goodbye People.  
Ludlum—Scarlaty Inheritance.
- Maybury—Ride a White Dolphin.**  
**Salinger—On Instructions of My Government.**  
**Shedd—Malinche and Cort.**  
**Stone—Passions of the Mind.**
- Non Fiction**  
Chedd—Sound.  
Cousteau—Life & Death in a Coral Sea.  
Gunther—Refrigeration, Air-conditioning and Cold Storage.  
Larick-Goodall—My Friends, the wild Chimpanzees.

### The Rocketeer

Official Weekly Publication of Naval Weapons Center, China Lake, California

Adm. W. J. Moran, USN  
NWC Commander

H. G. Wilson  
Technical Director

K. H. Robinson  
Head, Technical Information Department

William P. Valenteen, Jr.  
Editor

Jack C. Lindsey  
Staff Writer

Lucille Edwards  
Editorial Assistant

PHCS C. E. Bruce, PH1 D. C. Manderscheid, PH3 Ronald G. Mills.  
Staff Photographers

**DEADLINES:**  
News Stories . . . . . Tuesday, 4:30 p.m.  
Photographs . . . . . Tuesday, 11:30 a.m.  
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**DIVINE SERVICES**

Protestant (All-Faith Chapel)—  
Morning Worship—10:00 a.m.  
Sunday School—8:30 a.m., Chapel Annexes  
1, 2, 4 (Dorms 5, 6, 8) located opposite Center  
Restaurant.

Roman Catholic (All-Faith Chapel)—  
Holy Mass—5:00 p.m., Saturday (Fulfills  
Sunday obligation); 7, 8:30 and 11:15 a.m.  
Sunday.

Daily Mass—11:30 a.m. in Blessed  
Sacrament Chapel. First Saturday, 8:30 a.m.  
Confessions—4 to 5 p.m. Saturday, and 8 to  
8:25 a.m. Sunday.

NWC Jewish Services (East Wing All-Faith  
Chapel)—8 p.m. every first and third  
Friday.

Sabbath School—10 a.m. to noon, every first  
and third Saturday.

Unitarian Fellowship—(Chapel Annex 95,  
King Ave.)—Sundays, 7:30 p.m.

(Continued on Page 7)

**Helpline Inc.**  
Crisis Intervention  
CALL 446-5531



## Andreason, Roby Aid In Bud Eyre Victory

Riding on the five-hit pitching of Bert Andreason and the slugging of Earle Roby, the Bud Eyre Chevrolet team closed the gap at the top of the China Lake Softball League last week with a 9-1 victory over Ace TV.

Bud Eyre began the week 2½ games behind league-leading Ace on the strength of a four-game winning streak, and when the two teams collided, Bud Eyre emerged with a five-game skein and a run at the league crown.

Leading at 1-0, Ace TV's Bert Galloway kept Bud Eyre under control for three innings, but in the fourth they broke loose for six runs on two walks, singles by Dennis Crager and Andreason, and home runs by Roby and Max Smith.

Crager opened the Bud Eyre fourth with a single and Dave Taylor followed with a base on balls. Galloway retired the next two hitters on flies to the outfield, but then Andreason's single brought Crager home for the first Bud Eyre run.

A walk to leadoff hitter Jim Bradberry loaded the bases for Roby, who responded with a grand slam homer. Smith then followed with a four-bagger of his own to make the score, 6-1, and Ace was never able to recover.

Andreason's single in the fifth with Crager and Tom Haus aboard lengthened Bud Eyre's lead to 8-1 and the victors scored their final run in the sixth when Roby opened the inning with a double and came home on Crager's single.

Ace had runners on base in every inning, but was unable to reach Andreason for a run after Ray Blackwell's homer in the second inning. Andreason struck out 11 on the way to his five-hitter.

Ace bats had been more lively two nights before in a 27-0 pounding of the cellar-dwelling Maulers.

Home runs by Blackwell and Jim Bevan powered the 19-hit attack that produced one run in the first, seven in the second, seven in the third, nine in the fourth and three in the fifth.

Chuck Newmeyer singled four times and scored four runs to pace the Ace attack, while Bill Underwood and Bevan also tallied

four for Ace to carry Galloway to an easy two-hit, seven strikeout victory.

In the week's final game, the Maulers fell victim to the extra-inning jinx again, this time losing to NAF in eight innings, 11-7.

NAF took a 1-0 lead in the second on a double by Larry Stensaas and a single by Larry Elston and added three more in the third on homer by Mike Jones, singles by Warren Turnbaugh and Steve Mushock, a Mauler error and a sacrifice by Jack Andrews.

Two errors by NAF shortstop Lloyd Richards paved the way for three Mauler runs in the bottom of the third and another error-filled inning in the sixth gave the Maulers a 5-4 lead.

NAF rallied for two more in the seventh on Richards' triple, a run-scoring single by Andrews, and a ground out by Stensaas, but a bases-empty homer by Mauler pitcher Paul Amundson in the bottom of the seventh sent the game into extra-innings.

Crash. A triple by Jones, singles by Turnbaugh and Olsen, and four Mauler errors produced five runs for NAF and an insurmountable 11-6 lead.

The Maulers did rally for one in the bottom of the eighth, but NAF pitcher Steve Wittrock stopped the threat to move the Hawks into sole possession of third place.

STANDINGS			
	W	L	GB
Ace TV	11	3	—
Bud Eyre	9	5	1½
NAF	7	7	4
Valley Merchants	6	7	4½
A & L Tire	6	7	4½
Maulers	2	12	9

THE SCHEDULE	
Monday, July 19	
6 p.m.	Maulers vs. Valley Merchants
8 p.m.	NAF vs. A & L Tire
Tuesday, July 20	
6 p.m.	NAF vs. Ace TV
8 p.m.	Bud Eyre vs. Maulers
Thursday, July 22	
6 p.m.	A & L Tire vs. Bud Eyre
8 p.m.	Ace TV vs. Valley Merchants



**RECEIVES TROPHY**—Special Services athletic director Ray Gier presents June's Athlete of the Month trophy to winner Chuck Beatty. Beatty is wearing the medal he received for ranking as the No. 1 singles player in the Golden League. The medal was presented to him earlier by Burroughs High School tennis coach Bob Gilkinson.



**WINNING FORM**—Don Sichey, who plays in the Number 2 position on the fast-charging ROCKETEERs golf squad, displays the form which has won all but three of his matches in the China Lake Intramural Golf League. Code 30 moved into undisputed first place as a result of their four victories this past week.

## Smokey The Bear Receives Thousands Of Letters Daily

His 1969 income from fees and royalties was \$111,726. Not bad—considering that he's behind bars.

Smokey the Bear, whose home is the National Zoo in Washington, has become a celebrity. A 1968 survey revealed that 98 per cent of the American children, 95 per cent of the teen-agers and 89 per cent of the adults easily identified the Smokey symbol. Smokey's fan mail—one thousand letters and post cards a day—is further testimony to his popularity.

The Smokey motif was first used in the fight against forest fires in 1945. The "flesh and blood" Smokey, however, was found in 1950 in the wake of a forest fire in New Mexico. The small black bear cub was badly burned, but Judy Bell, daughter of the Game Warden Ray Bell, nursed him back to health.

His dramatic rescue from a forest fire made him a logical inheritor of the Smokey name.

Smokey the Bear became the subject of an Act of Congress, when, in 1952, Public Law 359 (otherwise known as the Smokey Bear Act) was unanimously passed by both houses of the 82nd Congress. The name was protected, and provision made whereby commercial forms paid for licenses to use the symbol. More than \$500,000 have been raised since 1952 to help in the fight against forest fires.

The Forest Fire Prevention division of the U. S. Forest Service supervises the entire Smokey program, but much of the credit for its creation and growth must go to the Advertising Council, Inc. When state and U. S. foresters first appealed to this public service agency help it was known as the War Advertising Council, which directed such wartime projects as scrap metal, scrap lumber, war bond, and nurses recruitment. During 1969, The Advertising

Council reported that the Smokey Bear crusade against forest fires received more than \$25 million of free public service time and space.

But Smokey the Bear is more than an advertising gimmick. In his own right, he's a super forest fire fighter. Mr. Mal Hardy, director of Forest Fire Prevention, in his 1970 report states, "In an average year before 1942, 210,000 forest fires ravaged nearly 30,000,000 acres. In more recent years, the number of fires has been reduced to about 100,000, while the loss is down to 4,000,000 acres. It is estimated that the Smokey Bear program has saved Americans more than \$10 billion."

## Golf League Standings

POINTS WON	
Code 30	25.5
Code 5563	24
Code 551	24
Duffers	23.5
Chaparrals	23.5
ROCKETEERS	22.5
NAF	21.5
Transportation	20.5
Sandbaggers	18
NWC Officers	17.5
Code 3532	17.5
Central Staff	17.5
Bat Chiefs	15.5
Gen'l. Engineers	15.5
Code 3563	13.5
Titlelists	13
Iron Men	6.5

THE SCHEDULE	
Tuesday, July 20	
Front Nine	
5:15	Iron Men vs. Engineers
5:23	Transportation vs. Chaparrals
5:31	Duffers vs. Central Staff
5:39	NWC Officers vs. Code 551
Back Nine	
5:15	Code 5563 vs. NAF
5:23	Code 3563 vs. Bat Chiefs
5:31	Titlelists vs. Rocketeers
5:39	Code 30 vs. Sandbaggers

## Senators Upset Giants For City Championship

The Ridgecrest Senators are the new City champs. They scored three unearned runs against the Giants from China Lake to win the game, 3-1. Giant whiz kid Brian Carle struck out 15 and allowed only one hit in a losing effort last Saturday, July 10 in the game at Stauffer Field, in Ridgecrest. A crowd of approximately 200 persons witnessed the pitcher's duel between winning pitcher David Hammon, who allowed 3 hits and struck out 14 batters, and Carle.

**All-Star Tournament**  
The Area Championship All-Star tournament will be held July 23 and 24 in Ridgecrest at Stauffer Field. Teams from Owens Valley, Bishop, Ridgecrest and China Lake will compete with the winner to represent this area in the District championships July 29, 30 and 31, which will be hosted by China Lake.

**Softball Game**  
The Little League board members, coaches and managers from both China Lake and Ridgecrest met Friday night on Stauffer Field in a softball game, which was for the entertainment of the crowd. Ridgecrest squeaked by the big bats of China Lake by a 31 to 11 score. The Ridgecrest "bombers" scored 14 runs in the fifth inning, more than enough to put the game away.

## MDISL Tourney Now Underway At Reardon

The Mojave Desert Interservice League softball tournament entered its second day today with an evening and a full day of first-class softball still to go.

Two teams were eliminated last night in the first round of the losers bracket of the double elimination tournament, but six teams remain in contention for the league title won last year by Norton AFB and in 1969 by Barstow.

The tournament today follows the same schedule as the first day—games at 10 a.m., 12:20 p.m., 3 p.m., 5:30 p.m., 8 p.m., and 10:30 p.m.

Saturday's schedule calls for the finals in the winners bracket at 9 a.m., the finals of the losers bracket between the loser of the 9 a.m. game and the team that has escaped play in the losers bracket with only one loss at 11:30.

The winner of the 11:30 game will then go on to play the tournament's only undefeated team in the first game of the championship series at 2 p.m.

If the team from the losers bracket wins the first game, a second championship series game will be played to decide the tournament championship.

"We hope the schedule will allow softball fans to see as many games as possible, said Special Services athletic director and tournament chairman Ray Gier.

"Reardon Field is probably the finest softball diamond in the Mojave Desert, and I think the games we're having are every bit as good."

Gier also said that the Special Services refreshment stand and beer hut would be open throughout the tournament.



**ASSISTANT PW OFFICER**—Cdr. James Lee Uhe reported aboard the center recently to assume the duties of Assistant Public Works Officer. The University of Wyoming graduate came here from the Naval Support Activities, Saigon, Vietnam, where he spent a one year tour of duty. The 18-year Navy veteran calls Cody, Wyoming, his home but was born in Denver, Colorado. He and his wife, Sylvia, have two children: Roger, 13, and Laura, 8. The family reside at 607-A Lexington.

## Power Mowers Should Be Used With Caution

No computer statistics are available to list the number of mower accidents that occur per annum, but it goes without saying that folks do get hurt doing yard work. The following information, if used, can help to prevent such occurrences:

—Inspect the area to be mowed before beginning. Clear the grass of stones, wire, glass and other debris which may become missile hazards.

—Keep all small children, pets and your feet and hands clear of mower moving parts when starting.

—Wear shoes of some sort, preferably safety shoes. NEVER operate a power mower when barefooted.

—Keep in step with the mower if you lag or let it pull you, you won't have full control over the machine.

—Always be sure of your footing on inclines. The steeper the slope the more care is required, especially if the grass is damp. Don't pull a mower towards you down an incline: mow across the slope.

—Excessive cutting speed of the mower blade is dangerous—don't overspeed the engine by tampering with the governor.

—Never permit small children to operate a power mower. They may be smart enough but lack the physical strength necessary to hand the machine.

—Learn to disengage the clutch or stop the motor quickly in an emergency. Always secure the motor when leaving the mower.

—When grass is wet or it's raining, do not use an electric power mower. Also, make sure an electric mower has its frame grounded through the cord.

—Disconnect the spark plug wire on the mower whenever working on it or unclogging the blades.

These guidelines will insure you two things: a nicer looking lawn, and the right number of fingers and toes. Give 'em a thought.

## Police Division Creating New Image, Reorganizing

The NWC Police Division is changing its image. Under the capable and energetic leadership of Police Chief Steve Kaupp, the officers and men of the Center's police are donning new uniforms, undergoing training, attending seminars, and going about the business of "keeping the peace" in much the same manner as large municipal police departments.

A reorganization of vast proportions is currently underway in the division. Six new positions have been created — an assistant chief; one new captain; one new lieutenant; a planning and training officer; a community relations officer; and an additional detective position—which will allow the division to perform at NWC similar to municipal police departments in the United States.

The present set up calls for a captain to be in charge of each watch. This is being changed to a captain in charge of a branch. The Police Division will be made up of three separate branches: patrol branch, investigations branch and a services branch.

The patrol branch will include: a captain, three lieutenants (one in charge of each watch, or shift), one sergeant (who will act as a field supervisor), and the patrolmen and guards.

The investigations branch will be composed of a captain, a juvenile officer and detectives.

The services branch, led by a captain, will include a training and plans officer, community relations, vehicle and building maintenance, procurement and purchasing, equipment maintenance and miscellaneous administrative services.

New vehicles equipped with lights, siren, a public address system, and all prominently marked are on order. One such vehicle is presently in use. One of the principal reasons for the change in vehicles is that with the new equipment the vehicles will now be properly equipped to conform with the state code.

"We are presently trying to obtain a waiver of existing Navy regulations to allow the Police Division to use sedans for police patrols in community areas,"

Kaupp stated. "Naturally, sedans would be impractical for use on the ranges," he said.

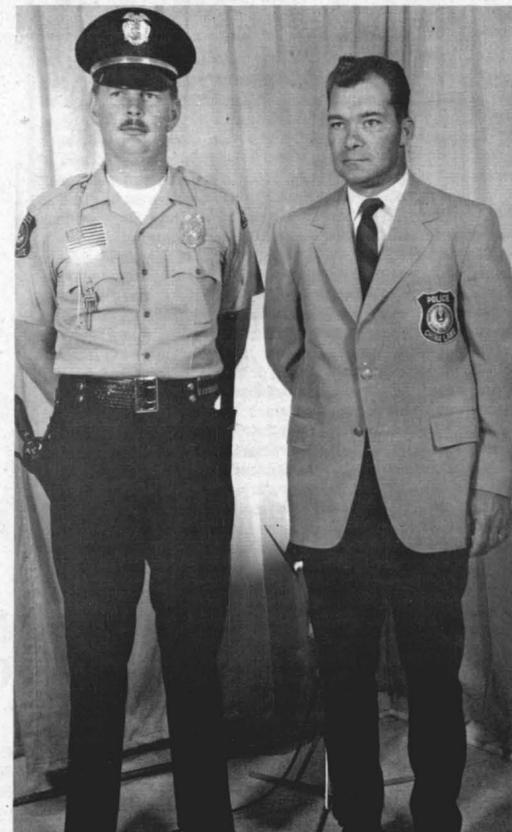
The new uniforms (pictured on this page) include blue blazers for all plain clothes personnel, with black pants and a red and blue striped tie. A Navy blue tie is optional. The patrolmen (but not the guards)—all now uniformly dressed—will go to a Highway Patrol-type tan uniform later in the year.

"The tans will be infinitely more functional in this climate," Kaupp said. "As it stands, the blue trousers become creased and dusty almost as soon as the officers put them on, and they're really too hot for the desert summers. In addition, NWC residents will find it easier to identify the police officers from security guards."

The accent for the police reorganization will be on training. "In the future, members of the NWC Police Division will attend outside schools, seminars, police academies, in addition to in-house training programs," the police chief commented. Kaupp will teach a course in Police Science at the Bakersfield College, Desert Campus, in the fall and stated that the response of China Lake policemen has been good.

**Other Plans**  
The Police Division will soon complete a move to the brig building on Halsey. "This will give us more space and is a good move for the building is centrally located," Kaupp said. "The old cells will be torn out and replaced by office spaces." The Police Division offices are now located just to the north of the main gate.

In line with the new look the department has obtained much new equipment. "We now have up-to-date riot and crowd control equipment, new fingerprint



**MICHAEL MOORE**, left, an NWC Police Division patrolman, and **John Cathey**, a plainclothes detective, model the two styles of uniform in present use by the Division. The patrolmen will revert to Highway-Patrol type tan uniforms later in the year. The plainclothes garb includes a powder blue blazer jacket with police insignia and black pants.

equipment, crime scene investigation equipment, high intensity lighting capability and plenty of new office equipment," Kaupp went on.

"In addition, we are revamping the pistol range, which at the moment is only good for target shooting. Our plans for the future

include initiating a combat course on the range. Also, we are going to form a police pistol team to compete on a national and international level."

The Police Division is located in the NWC Security Department, headed by LCdr. R. M. St. Germain.

## Sales Planned At Barstow Property Disposal Branch

Two sales, one retail and one auction, are planned this month at the Property Disposal Branch of the Marine Corps Supply Center, Barstow, California.

The first, a retail sale, will be held July 17 between 8 a.m. and 1 p.m. in the east end of bldg. 165. The auction sale will be held July 20 in Lot 371, at the south end of Joseph L. Boll Avenue.

The retail sale is open to all military personnel, civilian employees of the Center and to the general public. Various items of interest will be offered, including shoes, clothing, hand and power tools, household and office furniture, hardware and other items of general use. Another feature will be the special 50-cent table. All sales will be on a cash and carry basis and buyers will be required to remove items the day of the sale. Personal checks will not be accepted for this sale, which will be conducted on a first-come, first-served basis.

The auction sale will start at 9 a.m. on July 20 Registration will begin at 8 a.m. the day of the sale. Property may be inspected daily from 8 a.m. to 3:30 p.m. beginning July 13 until the day of the sale,

with the exception of Saturdays, Sundays and holidays.

There will be 128 items auctioned off, including hardware, paint, filing cabinets, tires, tools, calculating machines, shelter halves and other items of general interest. The paddle system will be used with the highest bidder being awarded the item.

Mailed, telephonic or telegraphic bids will not be accepted, but personal checks will be accepted for the auctioned articles. All bidders must be at least 21 years old. Government employees and military personnel can participate in this sale, providing their duties do not include any functional or supervisory responsibility for or within the Defense Property Disposal Program, or their agents or immediate family members.

Property Disposal Branch personnel will load the heavy equipment onto the buyer's vehicle. The buyer can remove the property on the same day or may elect to remove the property within five working days of the sale.

For further information concerning the auction sale, contact either Paul Finch or Mrs. Gladys Burwell, at 577-6211.



**MARKHAM RETIRES**—AQC's Billy Markham crosses the VIP red carpet during his retirement ceremonies at VX-5 last week. Chief Markham, who received six Vietnam Service Medals, began his naval career in 1951. —Photo by PH3 G. L. Smith

## A Look Into The Past

From The Rocketeer Files

25 Years Ago . . .

A bill granting the largest payboos to servicemen holding the lower rates was signed by President Harry Truman to apply to July pay. . . A front-page photo showed a queue of 1946 vintage autos that "waits daily, 'long about 4 p.m. to leave the main gate," after being checked out by the Marine sentry. The photo shows the pile-up back as far as Knox Road and not a tree in sight. . . Familiar strains of music floated down Blandy Ave. Wednesday evening when a young people's "Singspiration," the first of its kind in this area, was held at the Community Hall (formerly the Old Movie Hut). Singspirations had become popular all over the country with crowds as large as 3 to 5 thousand attending, and a group of service men held weekly singspirations on Guam which drew crowds of 500. . . Local workers expressed annoyance over the "affidavit on strikes" that they had to sign before delivery of paychecks. Requirement for the affidavit by the new Naval Appropriation Act was the result of a new union of public employees claiming the right to strike against the Federal government. Senator Ball of Minn. prepared an amendment to all Appropriation Acts requiring employees to agree not to join organizations asserting such a right. . . The Safety Dept. moved its quarters to the old field hospital at the corner of Halsey and Knox, a building formerly used by the contractors. . . Too large to be installed in the usual manner, a 200,000 lb. capacity hydraulic testing machine had to be lowered into the temporary quarters of the materials Engineering Lab via a hole cut in the roof. The machine would enable the crushing of concrete cylinders over six inches in diameters or the breaking of wire slightly larger than a human hair, and determining the compression or tensile strength of concrete, steel, plastics, and other materials being used in the construction of the new lab, of range targets or rockets.

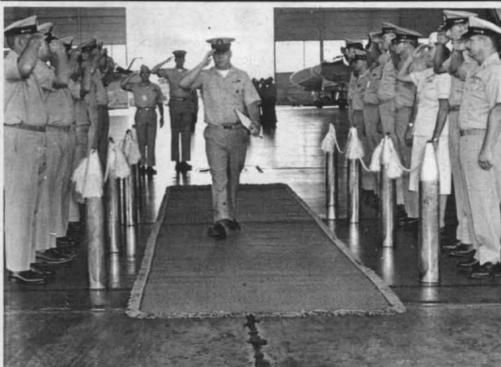
15 Years Ago . . .

Details of the move of the Navy's top test squadron, Air Development Squadron Five (VX-5) (now named Air Test and Evaluation Squadron FIVE) to NOTS reported that Capt. F. B. Gilkeson, VX-5 Commanding Officer, expressed his pleasure at being assigned to the Navy's largest ordnance installation. Since its commission on June 18, 1951, VX-5 had tested an AD Skyraider; F2H Banshee, F3D Skyknight, and F9F-5 Cutlass.

Currently VX-5 was working on the A3D Skywarrior, a carrier-based jet bomber, which was mentioned by Secretary of the Navy Charles Thomas as a weapon with great potential in his unclassified presentation to the Symington Subcommittee. . . Dancing to the world famous shuffle rhythm of the original Henry Busse Orchestra was the Saturday night entertainment at the Community Center. Tunes made famous by Busse were "Hot Lips" and "When Day Is Done". . . Bernard Smith transferred from the position of Head of the Surface Weapons Division of the Rocket Development Dept. to assume duty as Head of Central Staff. (Smith is now Technical Director at the Naval Weapons Laboratory, Dahlgren, Va.)

5 Years Ago . . .

The NAF Drill Team once again came home victorious; the crack performers won the Huntington Beach 4th of July parade competition. In the last four competitive parades the Team marched off with first place—Whiskey Flats Days at Kernville, the National Orange Show Parade at San Bernardino, the American Legion Parade at Bakersfield and the Huntington Beach victory. The Team has participated in parades all over Southern California and Utah. ADR3 Rudolph Falcone, on the Team since 1964, was drillmaster. . . An across-the-board pay raise for civil servants approved by the Senate and President Johnson signed into law a 3.2 per cent pay raise for the military. . . Maj. Gen. W. B. Putman of the Air Force Tactical Center, Eglin AFB, visited NOTS and addressed the AOA meeting. . . The larger-size bumper decals were issued for the first time. . . The community was saddened by the sudden death of Russell W. Bjorklund, Head of Central Staff since 1959, and long-time principal administrator for NOTS.



**ENDS NAVAL CAREER—Saluted by CPO sideboys, VX-5 power plants supervisor ADJC Kenneth Dukeshier retired from active duty last week. During his 20-year naval career, Chief Dukeshier received five Good Conduct Medals, a Vietnam Service Medal and the Republic of Vietnam Campaign Medal.**

—Photo by PH3 G. L. Smith



**CAPT. WILLIAM STURMAN, CEC, USA**  
"We're all working toward the same goal."

## Master Plan Objective Of New PW Officer

By John Scott

Although he has been in China Lake less than four weeks, Public Works Officer Capt. William Sturman already has extensive plans to make China Lake a better place to live and work.

From his everything-in-its-place, office on Byrnes Street, Capt. Sturman is laying the ground work for improvements in the physical facilities at the Naval Weapons Center.

"This week I held my first meeting with my staff, and I asked them to give me their goals for the coming year. I got an outstanding group of suggestions from them, many of which we hope to implement," Capt. Sturman said.

Primary among his plans is the development of a master plan for the Center.

"I know that sounds complicated, but actually it isn't. We want to zone the base for function-commercial in one area, industrial in another, research in another. We plan to have experts in urban planning work on our problems, because a master plan is necessary for any long-range growth."

As much as anything, it was this challenge of China Lake that brought Capt. Sturman to NWC. "I had visited here before, and came here by choice. I wanted to go to a public works assignment, and China Lake is almost unique in its public works requirements.

"Although Navy families normally stay here for two or three years, civilians frequently occupy family housing for many years. I know of nowhere else in the Navy where a civilian could foreseeably raise an entire family in one set of family quarters."

While, as the Navy's largest single land holding, NWC does present diverse real estate problems, Capt. Sturman's master plan revolves around that one area—family housing.

"The problem is that our houses are old and we have to bring them up to modern standards. They were built on older standards, and people expect more now.

"It takes time, it takes money.

## Doctorate Won By Code 4045 Engineer

Robert D. Berry, an employee of the Firecontrol Systems Branch, Code 4045, Weapons Development Department, was recently awarded the Doctor of Engineering degree from the University of California, Berkeley, at the University's 1971 June commencement.

Berry, whose major field of study was mechanical engineering (control systems), wrote his thesis on "Frequency Domain Optimization and Filtering of a Television Tracking System." Professor Yasundo Takahashi was Berry's Thesis Advisor.

The goal of his research was to design and develop a highly accurate, small, lightweight, and inexpensive aircraft-mounted TV tracking system for angle and angular-rate measurement in determining the position of a visible object and its direction of motion relative to the tracking



**Robert D. Berry**  
system.

Berry's previous degrees include a BS in Engineering Science from UC, Berkeley, in 1961, and a MS in Mechanical Engineering from Stanford University in 1964. He has received three Fellowship Awards: BuWeps Fellowship for the 1963-1964 academic year at Stanford University; NWC Fellowship for the 1968-1969 academic year, also at Berkeley; and another NWC Fellowship for the 1968-70 academic year, also at Berkeley.

His wife, Kristin, who is the daughter of Dr. and Mrs. Ivar Highborg, has completed all of the residence requirements for a PhD in Zoology (Population Biology) and is in the process of completing her doctorate research on the ecology and behavior of the chuckawalla lizard.

## Ed Sopke Dies; Mason States No Assessment

Larry Mason, secretary-treasurer of the Government Employees Benefit Association and the China Lake Mutual Aid Society, stated that GEBA and CLMAS assessment 236-164 is waived for the death of Edward Sopke who passed away July 12. Sopke, age 58, succumbed to a heart attack while on vacation in Reno, Nevada. He was employed as a budget analyst in Code 1731.

All members are urged to be sure the last collectable assessment, 235-163, is paid as it is now past due.

Those interested in joining the associations may contact Larry Mason at 375-2846 after working hours.

"They're still there, as a matter of fact, but my wife and the (Continued on Page 8)

## Employee In the Spotlight

"I am a sensitive, poetic introvert who happens to reside in the body of an extrovert." So says Russ Huse, illustrator, artist, outdoorsman, mountaineer and frustrated writer. The artist in Russ Huse emerges in many different forms. His career as an illustrator is but one form; others include mountaineering, which is a physical form of artistry, and writing. "I have a bathtub full of manuscripts, unfortunately most of them incomplete," he moaned.

This week's Employee in the Spotlight is Head of the Reports and Visual Arts Branch of the Administrative and Technical Services Division, Electronic Systems Department, a position he has held since 1959. He came to China Lake in July, 1951 and immediately went to work on Sidewinder as an illustrator. "In those days Sidewinder wasn't officially funded, and I worked directly with Bill McLean," he commented. Since that time Russ has been involved with many of the Center's missile programs: HARM, Harpoon (now designated anti-ship weapons program), Standard ARM, SHRIKE, Walleye and Condor.

In his community life, he has held the office of President of Rotary (1968) and served on that group's Board of Directors for 3 years. In addition he was the vice-president for a year and " . . . did an awful lot of committee work."

During the tenure of Pastor John L. Reed in the days of the Community Church (which preceded the All-Faith Chapel), Russ served on the board and functioned in many capacities, including ushering, chairing committees, and planning. He was also a member of the outdoor committee of the Boy Scouts locally and headed up the merit badge review board.

He is a member of the Society of Technical Writers and Publishers and although not an officer has attended many conventions for the local group and has arranged many of the Society's programs.

Russ attended UCLA and during his sophomore and junior years played right tackle on the varsity football squad. "I hold what amounts to a life-time pass, and still attend all the games I can," he said.

Perhaps the one thing for which Russ is best known is his membership in the China Lake Mountain Rescue Group. He is one of five charter members of the group that was formed in 1956. Since that time he has participated in approximately 30 rescue missions, climbed more than 100 mountain peaks in the Sierra Nevada, and has scaled B Mountain 390 times to stay in training.

Russ is now a technical member of the CLMRG — one who is qualified in all of the mountaineering skills, carries an advanced First Aid Card, and has participated in at least 20 searches and rescues—and is

ready to go out on a mission at any hour of the day or night. "I've been up Mt. Owen at the southern terminus of the Sierra and up Mt. Whitney 12 times, once by the east face, once by the east buttress and three times up the mountaineering trail," he stated. He has climbed mountains in the Palisade Glacier country and scaled many of the larger desert peaks, such as Mt. Telescope and White Mountain. In 1967 he climbed Mt. McKinley, in Alaska.



**Russell O. Huse**

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In 1969, while on an expedition, he scaled Chimborazo in Ecuador and made an assault on the summit of Cotapaxi and El Altar, both Ecuadorian mountains, but was turned back each time because of heavy weather.

In 1970 within an eight-day period, Russ climbed Popocatepetl, Citlaltpetl and Ixtacihuatl in Mexico, the smallest of which is 17,343 feet high.

He leaves today for Lima, Peru to scale three peaks near the town of Yungay, which was nearly destroyed in the disastrous avalanche last year.

"I am going to climb those peaks to strike a blow against old age," he chuckled, "and also to gain further experience in South American mountaineering. We will do some botanizing, a little archaeology work (there are Inca ruins on the mountaintops) and we will have some geographers along," he added.

Russ, who is a frustrated writer, is married to an Editor. His wife, Edith, is Head of the Technical Publications Section, Code 75111, of the Technical Information Department. They have two children, Donna, who is a teacher at the California Institute of the Arts, Valencia, California, and Doug, who is a motion picture and television producer who concentrates on filming commercials. Doug is married and lives in Hollywood.

Russ has climbed a lot of mountains, and looks back on his life as one of steady ascent. Why does he do it at an age when most men would begin to take things easier? As he phrases it . . .

"Even now, in the mountaintops of my mind, I sense a constant yodelling."



**RESEARCH DEPARTMENT AWARDS -- Dr. Hugh W. Hunter (left), Head, Research Department, presents 30 year Federal Pins to Dr. William R. Haseltine, Senior Research Scientist, and Edmond J. Ashley, Physical Science**

**Technician. Ashley also received a 10 year NWC pin. Not present for the photo were Dr. Marian E. Hills and Dr. William O. Alltop, who received 10 year NWC pins.**

—Photo by PH3 R. G. Mills

## 'Scotty' Molloy Ends 30 Years Of Navy Service

The officers and enlisted men of NAF stood in honor of the Navy's traditional retirement ceremony for LCdr. Arthur E. Molloy who concluded 30 years of military service on June 25, 1971. Capt. R. E. McCall, NAF Commanding Officer, officiated at the ceremony and inspection.

The retirement ceremony, which was held at Hangar Three, NAF, began when officers and enlisted ranks formed, followed with the "trooping of the colors" and a concert by the U.S. Marine Corps Band from the Marine Corps Supply Center at Barstow, Calif. After the invocation by Chaplain R. E. Osman, Capt. McCall and LCdr. Molloy inspected the troops.

Prior to presenting the Certificate of Retirement to LCdr. Molloy, Capt. McCall's remarks brought out the fact that LCdr. Molloy enlisted in the Navy and underwent recruit training at NTC, San Diego, Calif., and then attended Radio School at Alameda, Calif. After school his tours of duty included: assignment to VB-20 aboard the U.S.S. Enterprise and the U.S.S. Lexington. In May of 1945 he attended flight school and upon completion reported to VP-10. He was commissioned Ensign on August 15, 1955. His other duty stations were: NAS Pensacola; VU-7, San Diego; VU-5, Guam; Japan; NAS Corpus Christi; VR-5, San Diego; VR-21, San Diego; VR-7, Naval Station, Kodiak, Alaska, and two tours at NAF, China Lake.

His awards and decorations include: Distinguished Flying Cross; Air Medal (Gold Star); Good Conduct Medal (3 Stars); Presidential Unit Citation (1 Star); Navy Unit Citation; Air Force Unit Outstanding Award; American Defense Service Medal; American Campaign Medal; Asiatic-Pacific Campaign Medal; World War II Victory Medal; National Defense Service Medal; Korean Service Medal (2 Stars); United Nations Service Medal and Philippine Liberation (2 Stars).

During his first tour of duty at NAF, from August 1962 to August 1966, LCdr. Molloy served as transport pilot and project pilot, flying the TF-10. From September



**LCDR. "SCOTTY" MOLLOY RETIRES—Concluding 30 years of Naval service, LCdr. Arthur E. Molloy was "piped over the side" during a retirement and inspection ceremony held at Hangar Three, NAF. Capt. R. E. McCall, NAF Commanding Officer, officiated at the ceremony and presented LCdr. Molloy with a letter of commendation. Molloy's first duty tour at NAF was from August 1962-66; his last tour of duty at NAF began in September 1968 and concluded with his retirement on June 25, 1971.**

—NAF Photo

1968 until his retirement he served as logistics, transport, and project pilot and was the Quality Control Officer in the Operations Maintenance Division. Also, it was learned from an unimpeachable source (who wishes to remain anonymous) that LCdr. Molloy was

considered as "one of the best pilots NAF has ever had; guys like Molloy don't happen very often."

LCdr. Molloy is married to the former Helen L. Gamble of Corpus Christi, Texas. They have three children, Michael, 24, James, 21 and Karen 18.

## Ice Cream Social Planned By PWOC

The 20th Annual Ice Cream Social sponsored by the Protestant Women of the Chapel will be held on the Chapel lawn from 6 to 9 p.m., next Tuesday, July 20.

Special entertainment for the 20th anniversary of this popular affair will include such local entertainers as the Sweet Adelines, the Catholic Youth Group, and a Dixieland Band.

Anyone who wishes to donate cakes or pies may call Audrey

Curtiss at 446-4209. Those who wish to help make ice cream may contact Jane Van Aken at 446-3383.

All residents are invited to join in the festivities and enjoy the homemade pies, cakes and ice cream. Donations are 50 cents for adults and 25 cents for children under 12. Tickets may be obtained from PWOC members, at the Chapel Office, or on the evening of the social. All proceeds will go to missionary projects of the PWOC.