

Drs. Robert and Kristin Berry To Visit Wildlife Parks In Africa

A month-long trip to East Africa is coming up for Drs. Robert and Kristin Berry, China Lake residents and employees, who will be traveling throughout various wildlife parks in Kenya and Tanzania with Dr. R. C. Stebbins and his wife.

Dr. Stebbins, a professor of herpetology at the University of California at Berkeley, is currently on sabbatical leave from his teaching post. His purpose for traveling to Africa is to take photographs and make sketches of rare and endangered species of animals.

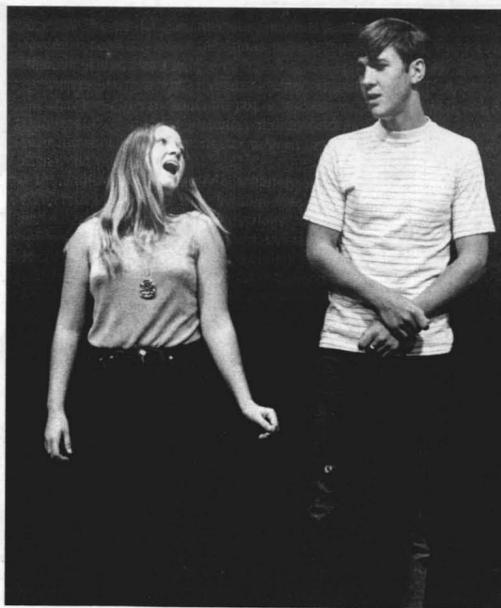
Dr. Kristin Berry became acquainted with Dr. Stebbins while she was working on her Ph.D. degree in zoology at UC, Berkeley, and she and her husband, a consultant in the Avionics Division of the Weapons Development Department at NWC, were invited to join the professor and his wife during a portion of their stay in Africa.

Her purpose in making such a

trip is education, Dr. Kristin Berry said, adding that she feels it will broaden her horizons tremendously to see the tropics. Her husband, she noted, will concentrate on photography and plans to add color film slides of large animals to his collection of amphibians, reptiles and flowers.

Drs. Robert and Kristin Berry will fly to and from Africa, with a stopover in Europe included on their itinerary. Travel in Africa will be by Land Rover and the China Lake couple will be camping out with Dr. and Mrs. Stebbins.

Dr. Kristin Berry also is scheduled to give a seminar about the chuckawalla (the subject of her Ph.D. thesis) at Kenyata College in Nairobi.



SIXPENCE REHEARSAL—Angelique Lindsey, who plays Ann, and George White, who portrays Kipps, rehearse a scene from "Half a Sixpence," the summer production of the Burroughs High School drama department. The show is slated to be played on July 27, 28 and 29. A special price of \$1 per person has been inaugurated for the Thursday (July 27) performance. On the following two nights the price of admission will be \$1.25 for students and \$1.50 for all others. The musical will be staged at the Burroughs Lecture Center, with a curtain time of 8 p.m. all three nights.

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

FRI. 14 July
"WHEN 8 BELLS TOLL" (94 Min.)
Anthony Hopkins, Robert Morley
Jack Hawkins
(Adventure) The world's first underwater spy, Phillip Calvert (a James Bond type) is assigned to break up a ring of ship hijackers who have been raiding gold bullion cargoes. A real SLEEPER for the action fan! (PG)
"RELUCTANT RECRUIT" (7 Min.)
"GET IN THE SWIM" (9 Min.)
SAT. 15 July
—MATINEE—
"PERILS OF PAULINE" (98 Min.)
Pat Boone
"Sissie Sheriff"
—EVENING—
"THE ANIMALS" (84 Min.)
Henry Silva, Keenan Wynn
(Western) Killer! Deadly as rattlers! Savage as coyotes! An action special for the adventure fan! (R)
"MUMMIES DUMMIES" (17 Min.)
SUN. and MON. 16-17 July
"SILENT RUNNING" (90 Min.)
Bruce Dern, Cliff Potts
(Science-Fiction) Space adventure has the Satellite Valley Forge stocked with the only remaining botanical specimens left from Earth where vegetation died from pollution. Can man and machine live in harmony? (G)
"SNOOZIN' BRUIN" (7 Min.)
"NORTHLAND" (9 Min.)
TUES. and WED. 18-19 July
"POCKET MONEY" (102 Min.)
Paul Newman, Lee Marvin.
Strother Martin
(Western-Comedy) Flat broke rancher Newman disregards wisdom and contracts to deliver 250 Mexican steers to crooked rodeo promoter Martin. Paul enlists old buddy Lee's aid in what turns out to be a fiasco of fun. (PG)

BLM Establishes Program To Protect Desert Holdings

A concern for protecting desert resources and utilizing them properly has motivated recent Bureau of Land Management (BLM) plans and actions. During this fiscal year BLM will hire up to 10 Desert Rangers, highly educated and qualified to manage the vast BLM desert holdings.

A comprehensive inventory of all desert resources will help the BLM staff lay the groundwork for proper utilization of all the interrelated resources of the 12 million acres of California desert administered by the BLM.

J. R. Penny, California BLM State Director, discussed the approach the bureau is planning in its program to protect desert resources and the people who use them.

"The rangers are natural resource specialists first and people managers second," Penny explained. "Our rangers will try to achieve as much of their jobs as possible by education and persuasion."

The first Desert Ranger, Steve Smith, 27, of Bakersfield, is well-qualified to follow through on this approach. Holder of a Masters Degree in geography from the University of Arizona, Smith has worked as a Deputy Sheriff for Sacramento County and a realty assistant for the BLM.

He has had articles published in Desert Magazine and Westways. An experienced skier, scuba diver,

and mountain climber, Smith has climbed a total of 228 peaks in the west.

Eventually the Desert Rangers will be charged with protecting desert resources, such as petroglyphs and endangered wildlife species. They also will educate and protect visitors to desert areas.

The first rangers will begin their field work without enforcement authority, which is expected to come with passage by Congress of the Administration's proposed National Resource Lands Management Act, often called the "BLM Organic Act."

"The Ranger Force is part of our critical management program for the California Desert," Penny said. "Many desert resources—historical, natural, archaeological—are being damaged by heavy recreational use and deliberate vandalism. Also, there literally are thousands of hazards to the users, including uncounted abandoned mine shafts.

"Our efforts to deal with these problems admittedly are meager," Penny admitted, "but at least a start has been made." He asked desert users for full cooperation to help the rangers protect and preserve the fragile desert ecology.

Further provisions of the BLM Organic Act will provide for funding of a series of desert way stations.

NWC Engineer Authors Book On Rec/Vec Electrical Problems

A book on electricity for owners of recreational vehicles has been written by a local engineer, G. Herb Gill, an employee of Code 5552.

The book is entitled "Electrical Installations in Recreational Vehicles," and covers the problems of adding or modifying vehicle electrical systems to suit the special problems of the individual owner.

It is as non-technical as possible, yet contains sufficient engineering data and practical guidelines to assure a good workable design for laymen.

"So many of my friends asked me how to solve electrical problems in similar vehicles, that I got the idea of writing the book," Gill explained. "All of the data in the book resulted from direct questions about how to solve some electrical problem in a boat, trailer or camper rig," he added.

The author was born in San Diego, during the first World War. He attended the University of

California at Berkeley and was graduated in 1938 with a BS degree in electrical engineering. He is a California registered professional engineer in both the electrical and mechanical fields.

The book, which sells for \$9.20, is available from the author by mail by writing to P.O. Box 94, Ridgecrest, Calif., 93555, or from Wagenhals Book Store.

Colt League...

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pitcher and Billy Sizemore the winner in the 6-3 contest. Only one of the Dodger's runs were earned.

All-Star Team Selected
A 17-man team was selected from the four Colt League teams for the All-Stars. The boys, who will be managed by Mike Manley, Mets' manager, and coached by Fred Elliott, are:

Amos Blanche, Lloyd Mason, Don Gallaher, Larry Kreie, from the Cardinals; Bob Beecroft, Art Tillery, Jim Stilwell, Larry Harper and Al Chieze, from the Mets; Artie Wetterer, Rudy Moreno, Billy Sizemore and Mark Wright, from the Dodgers, and Bill Larrabee, Herb Langner, George White and Bruce Zagala, from the Giants.

This list will be trimmed to 15 players before the first game, to be played next Wednesday at 5 p.m. in Sylmar, Calif., in the District 3 tournament playoffs.

YOUTH CENTER MOVIES

The Youth Center-sponsored movies for next week are as follows:
Tuesday, July 18—"Davy Crockett, King of the Wild Frontier", and "Storm Called Maria."
Wednesday, July 19—"Fantastic Voyage," and "Disney Deluxe 'E'."
Thursday, July 20—"Westward Ho, The Wagon," and "Stormy, The Thunderbird."
Admission is free to Youth Center members whose dues are paid on a yearly basis and expire after 1 September. Admission is 25 cents to all others. Passes are not required.

Reinaldo Jacques, manager of the Commissioned Officers' Mess has announced that the "Batuka Combo" has been booked for a dance on the patio tonight from 9 until 1 a.m.

The movies start at 1 p.m. in the Center Theater.

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CREDIT UNION BUILDING TAKING SHAPE—Work on the new Credit Union building, located at the corner of S. Richmond Rd. and King Ave., is progressing at a rapid rate. The \$675,000 structure is slated for completion on Jan. 3, 1973. The modern, Spanish-style building will contain 10,473 sq. ft. of space, more than twice the size of the present Credit Union.

From _____
TO _____
PLACE STAMP HERE

Radiothon Raises \$3,217.48 To Aid Flood Victims

Residents of the Indian Wells Valley answered the appeal for flood victims in the United States to the tune of \$3,217.48 during the one-day Radiothon over Radio Station KLOA. The appeal was sponsored by the "Concerned Citizens for Flood Relief," a group of local volunteers who pledged themselves to raise funds to help recent victims of floods in California, South Dakota and the ravaged eastern coastline of the United States.

"And, there is more to come," said James R. "Danny" Dandurand, who led the local group. "Donations are still pouring in and the final figure will be far above any of our expectations," the NWC manager of the JAMTO office enthused.

The radiothon was handled by Sam McMullen, manager of the local radio station, who took to the airwaves last Sunday from 12 noon to 5 p.m. to voice an appeal for donations from residents of the Valley.

As the show progressed, donations from concerned citizens were phoned in and runners from church youth groups and the Indian Wells Valley Newcomers Club went to the addresses to pick up the funds. By the time the show ended, the radiothon had realized the \$3,000 goal McMullen set at the beginning of the program.

Contributors designated the organization their money was to go to, and according to Dandurand, the American Red Cross was given \$958.64, \$842.25 was earmarked for the Salvation Army, and \$1,416.59 was tagged for the churches of the Indian Wells Valley for flood relief.

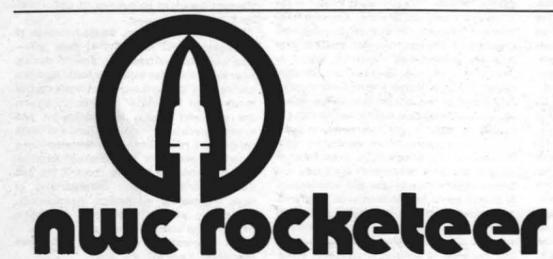
"This money will be distributed to flood victims by the organizations," Dandurand explained. Dandurand, who is chairman of the local office of American Red Cross, stated that the national organization expressed its sincere thanks to individuals who donated money to their disaster

funds. "The Red Cross has been on the scenes of the recent disasters, and were in extreme need of the money," Dandurand said.

"This is also true of the Salvation Army," he added. "The local drive brought out the best in people," Dandurand cited. "For instance, young children donated their allowances—one youngster offered 45 cents, another \$1.35," he pointed out.

In addition, teenagers, completely on their own, collected pop bottles and donated the proceeds to the drive. "The response was tremendous," Dandurand said.

Persons who worked at the Fund Drive headquarters at Ridgecrest City Hall, where the radiothon originated, in addition to McMullen and Dandurand, were Cathy Tozer, Mickey Strang, Dorothy Dandurand, Jim Lewis, Susan Heyden, Suzanne Seibel, Donna LaBorde, DeeDee Potts and Sally Williams.



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NWC Completes Product Improvement Program On Snakeye Retarder Device

The Naval Weapons Center recently completed a product improvement program on the Mk 15 SNAKEYE retarder device used on the Mk 82 500 lb. low drag general purpose bomb.

SNAKEYE was originally designed, developed and tested at China Lake in the early 1960's by the Weapons Development Department. The purpose of SNAKEYE is to permit low-level high-speed bombing without fragmentation danger to the delivery aircraft.

The opening of the fin blades greatly increases the drag on the bomb causing its airspeed to drop off sharply, thus permitting the bomber to "escape" safely.

In 1968, because of problems encountered in production and use,

gent material and heat treat requirements. Two new types of shock absorbers were evaluated as possible replacements. One, an aluminum honeycomb type, formed adequately, but was costly to produce. The other, a convoluted steel tube proved to be suitable. This type of shock absorber was originally designed for energy absorbing steering columns in automobiles.

This design provides for early engagement, thus dissipating the energy before it reaches a critical level. The gradually increasing resistance and greater capacity of this design permit higher release speeds. Since it is a one-piece shock absorber made of mild steel it is simpler and less costly to

manufacture. The major component affecting the performance and reliability of SNAKEYE is the shock absorber which dissipates the fin opening shock. A plunger and sleeve shock absorber used in earlier versions of the SNAKEYE was found to be unsatisfactory at higher release airspeeds because it permitted the opening shock load to reach too high a level before dissipation was initiated.

This design proved difficult to mass produce because of tight machining tolerances and strin-

NAF Office Supervisor P.N. Windle Selected 'Bluejacket of the Month'

Bluejacket of the Month for July is Yeoman First Class Phillip Lee Windle, the administrative office supervisor at NAF.

YNI Windle and his wife Toshiko will spend the weekend of July 28, 29, and 30 in Bakersfield as guests of the Greater Bakersfield Chamber of Commerce. As a gesture of gratitude to this dedicated Navyman, Bakersfield merchants participating in the Bluejacket of the Month program will present the Windles with gift certificates and discount coupons.

NAF Change Of Command Open To All Employees

A change of command ceremony will be held next Friday morning, July 21, at 10 o'clock in Hangar 3 at the Naval Air Facility. The ceremony will be open to all employees of NWC and friends of the honorees. Capt. Robert S. Moore, former NWC Technical Officer, will relieve Capt. Robert E. McCall as Commanding Officer at NAF.

NAF Change Of Command Open To All Employees

The couple will be provided free meals and lodging by Bakersfield's Caravan Inn. They will also have free transportation for the weekend—a new Ford—to be loaned to them by Doug Butler, owner of Desert Motors, in Ridgecrest.

MANAGEMENT INNOVATOR OF THE YEAR—Lt. Cmdr. Robert M. St. Germain, left, is shown receiving the American Society of Public Administrators (ASPA) Russ Bjorklund "Management Innovator of the Year" award from Capt. D. W. Alderton, NWC Deputy Commander. The award took place at ASPA's yearly banquet last Wednesday evening in the COM. Lt. Cmdr. St. Germain is the first military man to receive the award.

(Continued on Page 3)



MANAGEMENT INNOVATOR OF THE YEAR—Lt. Cmdr. Robert M. St. Germain, left, is shown receiving the American Society of Public Administrators (ASPA) Russ Bjorklund "Management Innovator of the Year" award from Capt. D. W. Alderton, NWC Deputy Commander. The award took place at ASPA's yearly banquet last Wednesday evening in the COM. Lt. Cmdr. St. Germain is the first military man to receive the award.

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SCRAPBOOK OF JOKES PRESENTED TO DISPENSARY—Mrs. Virginia W. Davidson, a resident of China Lake and Ridgecrest since November 1945, recently presented a scrapbook of jokes to the Station Dispensary. Mrs. Davidson collected these jokes from newspapers and magazines for many years and decided to assemble them in a scrapbook that could be enjoyed by all patients in the local dispensary. This labor of love took almost nine months to complete. Pictured at the presentation (l. to r.) are Lt. Cmdr. J. J. Mason, Medical Administrative Services Officer, Robert C. McDonald, a patient recuperating at the dispensary, and Mrs. Davidson. "Ginny", as she is known to her friends, is well known in the community as a bridge aficionado. She and her daughter Mrs. Nancy Seely were instrumental in starting the local Duplicate Bridge Club. Knitting baby sets and toe socks for the Red Cross also keeps Mrs. Davidson busy.

—Photo By PH3 Ron Mills

Library Lists New Books

LIBRARY HOURS:
MONDAY-FRIDAY: 2-9 p.m.
SATURDAY: 10 a.m.-6 p.m.

Readers are reminded that the Treasure Hunt Reading Club will continue for one more week. A party for the participants will be held on 14 July, 2:30-3:30 p.m. in the East Wing of the Chapel.

FICTION

Ardies—This Sultane Is Going To Exploide.
Bilth—The Day After Judgement.
Buchner—Open Heart.
Camus—Happy Death.
Eberhart—El Rancho Rio.
Knebel—Dark Horse.
Schmitt—Godforgotten.
Singer—Enemies.
Thomas—The Backup Men.
Tracy—Quiet End of Evening.
Webb—Eli's Road.
White—Deathwatch.
Williams—Captain Blackman.

NON-FICTION

Barnes—John F. Kennedy: Scrimshaw Collector.
Coffey—Mullhull Sailboats.
Cousteau—The Shark.
Dorn—Walkout.
Drex—No Bridges Blown.
East—Survival.
Fuller—Intuition.
Ford—Book of Favorite Hymns.
Hughes—Ask Your Mama.
Hyon—Korean Cookbook.
Liman—Money Saver's Guide to Decorating.
Marlow—Fine Furniture for the Amateur Cabinetmaker.
Miles—Indian and Eskimo Artifacts of North America.
Nagler—Brown Bomber.
Philbrick—Organic Gardening for Health and Nutrition.
San Francisco Firehouse Favorites.
Stevenson—Art of Making Wooden Toys.
Sunnucks—Encyclopedia of Chess.
Sunset—Macrame.
Waldo—Travel and Motoring Guide to Europe.
Warner—Great Sea Battles.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

RA. W. J. Moran, USN
NWC Commander

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

PH1 D. C. Manderscheid, PH2 E. R. Ortiz, PH2 G. L. Taylor, PH3 R. G. Mills, PH3 D. W. Yeatts



DIVINE SERVICES

PROTESTANT

Sunday Worship Service 1000
Sunday School All Ages 0830
Sunday Evening Bible Study 1900
Wednesday Bible Study 1130
Wednesday Teenage Bible Study 0645
Sunday School Classes are held in the Chapel Annexes 1, 2 & 4 (Dorms 5, 6, 8) located opposite the Center Restaurant.
Communion First Sunday of the month

ROMAN CATHOLIC

MASS
Saturday 1700
Sunday 0700 0830 1115

BLESSED SACRAMENT CHAPEL

MASS
Daily except Saturday 1130
First Friday ONLY 1130 1700
First Saturday ONLY 0830

CONFESSIONS

Saturday 1545 to 1645
Sunday 0800 to 0825

CCD CLASSES

Kindergarten through 8th grades 1000
7th and 8th grades 1900
As announced 9th through 12th grades

Note: The Chapel Nursery is located in Chapel Annex 1, Room 4, across from the Center Restaurant, and is open without charge for children of parents attending Catholic Mass or Protestant Worship Services.

JEWISH SERVICES

EAST WING-ALL FAITH CHAPEL

Friday 1st and 3rd ONLY

Sabbath Services 3000
Sabbath School 1000 to 1200

UNITARIANS

CHAPEL ANNEX 95

Sunday Services 1930

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 2065. 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 made recent previous supervisor. Selection shall be based without discrimination for any nonmerit reason.

Clerk (Typing) GS-301-05, PD No. 7285008, Code 851—This position is secretary to the Assistant Head, Command Administration Department and the Head, Office Services Division, Command Administration Department. The incumbent provides secretarial and typing services. Types official correspondence, memoranda, personnel action requests, position descriptions, security clearance requests, requisitions and various reports. Originates routine correspondence and memos. Prepares quarterly fiscal reports for divisions of the department and assists in the compilation of data on management information projects. Maintains files, logs, records and directives. Assists the Officer Records Personnel Clerk and assumes the duties in the absence of the personnel clerk. Assumes the duties of the department secretary and the Staff Judge Advocate's secretary in their absence. Minimum Qualification Requirements: 1 Year General and 2 years specialized experience as outlined in X-118. Job Relevant Criteria: Effectiveness in getting along with others; ability to work independently; judgment, initiative, resourcefulness; and poise, personal dignity, neatness, and good grooming.

File applications with Dora Childers, Code 657, Room 212, Phone 2514.

Secretary (Typing), GS-318-4 or 5, PD No. 7133127, 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: Two years general clerical experience. GS-5: Two and one-half years general clerical and six months specialized secretarial experience. Job Relevant Criteria: Incumbent must be proficient 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 206 Ext 2577.

Electronics Technician, GS-856-7 or 9, PD No. 7140142, Code 4053—This position is located in the Weapons Control Branch of the Weapons

Development Department. The position is in support of target acquisition, passive search, and airborne fire control systems using advanced optical and infrared technology. Scope of work includes construction and test of electronic units for use with airborne systems, assisting engineers in organizing and conducting test operations and aiding in the evaluation of equipment and techniques developed in the branch. Job Relevant Criteria: Prefer printed circuit board layout and assembly techniques and video system experience. Minimum Qualification Requirements: Two years general experience and three years specialized in accordance with X-118 Handbook.

File applications for the above with Elizabeth Sodergren, Bldg. 34, Room 206, Phone 2676.

Mathematics Aid, GS-1521-4 or Mathematics Technician, GS-1521-5, 1 Vacancy, Code 4545, PD No. 7245078—This position is located in the Warhead Analysis Branch, Conventional Weapons Division, Propulsion Development Department. The incumbent will assist Branch Analysts on studies, analyses and investigations on new warhead and weapon system concepts. Responsibilities will include: assessment of raw data derived from warhead tests; assembling data into format for input to digital computer for warhead characteristics; preparation of computer input decks for simulation programs; preparation of reports; operation of keypunch equipment and programmable calculators; and maintenance of Branch computer documentation programs. Job Relevant Criteria: Experience and ability in the field of data reduction and mathematical analysis is required. Practical knowledge in the operation of peripheral computer equipment, information retrieval systems, and computer documentations programs is highly desirable. Minimum Qualification Requirements: GS-4 level: One and 1/2 years general and six months specialized experience and, GS-5 level: Two years general and one year specialized experience, as defined in CSC Handbook X-118.

Electronics Engineer, GS-850-11-12 or Physicist, GS-1310-11-12, PD No. 7245057, Code 4547, 1 Vacancy—This position is located in the Terrain Denial Weapons Branch, Conventional Weapons Division, Propulsion Development Department. The Branch conducts analysis studies, feasibility investigations and exploratory development programs for conventional air-delivered ordnance principally in the field of aerially emplaced mines. The incumbent will provide electronic technical support for the various Branch projects. A prime responsibility will be the development, test and evaluation of new mine target sensing concepts. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in digital or analog electronic circuit design, with emphasis on low power integrated circuit technology, and test instrumentation techniques. Experience desirable in related physical technology such as magnetometers, seismics, acoustics, radar, and RF, IR, etc.

File applications for the above with Linda Grossman, Bldg 34, Room 204, Phone 2725.

Administrative Officer, GS-341-7 through 11, PD No. 855110, Code 552—Assists Division Head in administration of matters concerning finances, personnel, facilities, equipment, reporting and other assigned tasks. Must understand and work effectively with a variety of employees, technical supervisors and administrative personnel. Minimum Qualification Requirements: As outlined in

(Continued on Page 7)



ICE CREAM SOCIAL SLATED—Michelle Manderscheid warns up for the PWCOC's annual Ice Cream Social, scheduled for next Tuesday from 6 to 9 p.m. on the All Faith Chapel Lawn. A Dixieland band will provide music from 6:30 to 7:30. Pies, cakes and, of course, ice cream will be available for the nominal cost of 50 cents for adults and 25 cents for children under the age of 10. All proceeds will go toward PWCOC charities.

—Photo by Don Manderscheid

Employee In The Spotlight

When Paul Someson ("I don't have a middle name, my parents are too poor") was 12 years old, the great Bobby Jones won the grand slam of golf. That was in 1930.

Paul was a caddy at the Gary Country Club, Gary, Ind., and decided that he would take up the game of golf seriously. "I studied Bobby Jones and fashioned my swing after his," he said. "He was my hero." To this day, Paul still thinks that the great golfer was the best. "Better than Palmer, Nicklaus, any of them," the China Lake golf pro said.

So, for the next seven or eight years, Paul played serious golf. "I only got to play once or twice a week," he explained, "but I studied the swings and the games of other golfers. I would caddy free for the really good golfers, just to see them play."

Before he was 16, Paul was a scratch golfer. But the depression interrupted any plans he had for a golfing career. In 1936, he went to work in a CCC camp, digging irrigation ditches, and in 1937 he worked for the Bear Brand Hosiery Co., making ladies' hosiery. "That was an interesting job," he commented.

In 1938, Paul went to work in the Gary steel mills as an overhead bridge crane man, and worked there until 1943. On Jan. 1, 1944 he and his wife, Kay, whom he met and married in 1940, came to California and Paul took a job with the North American Aircraft Co., as an inspector.

"From about 1938 to 1943 I didn't touch a golf club," he recalled. "Then, late one night, Kay and I were coming home and we passed the golf club. I pulled the car over and said, 'Say, did you ever see me hit a golf ball?'"

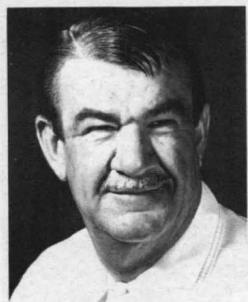
Paul got out an old club and a ball and smacked a really good shot for Kay's benefit. "The next day, she bought me a set of clubs and brought them home. 'You should never have done that,' I told her, and I was hooked once again."

In July, 1945, Paul came to work at China Lake as a technical aide at the Salt Wells Pilot Plant. In May, 1954, when it shut down he went to CLPP as an ordnance leadingman. He worked there until 1956, when he became the head professional at the newly-built China Lake Golf Course.

Since 1950, Paul had been working part-time as manager of the sand course, which had been erected beginning in June 1949 by the Salt Wells Recreation Department, headed by W. C. Morgan. "Charlie Fitzmaurice, a chief in the Navy, and myself did most of the work in planning the sand course. It was built and maintained strictly by volunteers, and they were an eager, ambitious group, too," he said.

The sand course was called the Satellite Lake Golf Club and for a while it was very popular. Then in 1953, Capt. P. D. Stroop, who was the NOTS Commander, made his wishes known that a grass course was needed at China Lake. A grass driving range was completed in July 1954 (where the golf course superintendent's hut now stands) and Paul became the part-time manager of the range.

The China Lake Golf Course be-



Paul Someson

gan as a community effort. Milt Wolfson, Temp Robinson and Paul surveyed the course. "We had to do it very early in the morning," he cited, "because the heat waves destroyed the image. Nita Wolfson and some other gals made sandwiches, and took care of the food department," he laughed. "Boy, we ate good."

The course was designed by Billy Bell, from Pasadena, a famous golf course architect. He was conned into doing it at a nominal rate by the group of golfers at NOTS.

"The guy who really got the course off the ground and made it a reality was Cdr. T. J. Walker, an experimental officer," Paul said. (He is now Vice Adm. T. J. Walker, COMNAVIAIRPAC.) "Jimmy Gallien had a big hand in the building of it also," Paul said.

In 1954, Paul joined the Professional Golfers' Association, and in 1956 became the head pro at the brand new course.

"A golf pro is a man of many faces," said O. A. "Gabe" Imer, head of Special Services. "He has to be a salesman, a diplomat, public relations man and an instructor, in addition to being a fine golfer."

"To be a golf pro you really have to be a dedicated person," the Special Services head continued. "The hours are long, the complaints are numerous, and you deal with a public which is very demanding. Paul, who has a very genuine love for the game and our course, is a tremendously loyal employee who has given of much time, energy and effort to support golf for Special Services," he concluded.

One of Paul's greatest assets is his ability to instruct. Each year he holds free clinics for junior golfers and women. He works six days a week and on Mondays, when the course is closed, Paul generally visits Mojave every other week to give the junior golfers there instruction, free of charge.

A big, gruff, woolly bear sort of man, Paul's booming resonant bass voice can be heard for miles on a clear day. Underneath the gruff exterior is a simple man who cares greatly for the game of golf; how it is played, the attitudes of the players, and the condition of "his" golf course.

He doesn't have much time left for hobbies. He enjoys listening to stereo music and of course, there's Jude, his dachshund, the unofficial mascot of the golf club. Jude is Paul's constant companion and can be seen sitting on the back of Paul's golf cart when the "pro" is on the course.



EXCHANGE OFFICER—Lt. Fritz Herr, VX-5 Schedules Officer, has received orders to report to Royal Navy Squadron 809, Honington, England as the U. S. Navy's exchange officer. During his tour there, he will fly the British-made Buccaneer, a twin-engine light attack jet, and the Hunter, a single-engine fighter. Herr jokes that he'll have to get used to driving on the wrong side of the road, but regrets the fact that none of his American electric appliances will work on British current. He and his wife, Melanie, and their eight-month old daughter, Kristin will leave the area around the first of August.

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Sheetmetal Worker Helper, WG-3804-05, JD No. 151-1, Code 70422 (2 vacancies)—Assists the journeyman in performing work with sheetmetal of 10 to 26 gauges in thickness (.019 metals and up to 1/4 inch in thickness. Helps in layouts, fabricates, assembles and installs and repairs objects and equipments. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Electrician (Lineman) Helper, WG-2806-05, JD No. 127 AmI, Code 70422 (2 vacancies)—Assists journeyman in accomplishing work which covers the installation, maintenance, trouble shooting and repair of equipment connected with electrical power transmission and distribution, including overhead and underground power lines and street lights. Incumbent will be participating in a Premium Qualification Program. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

Heavy Duty Equipment Mechanic Intermediate, WG-5803-08, JD No. 302, Code 7074—Incumbent removes, installs, maintains and tests complete components such as engines, transmissions (automatic and manual), clutches, differentials, drive units, generators, alternators, starter drives, etc. on all types of transportation equipment including crawler and wheel type tractors, tractors, railway locomotives, trucks, truck tractors, etc. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Elements Standard in accordance with the CSC Handbook X-118C.

File applications with Donna J. James, (Code 457), Bldg. 34, Room 210, Ph. 2373.

Supervisory Security Assistant, GS-080-7, Code 841, PD No. 7284013—This position is located in the Security Operations Division of the Security Department. The incumbent assists the Division Head in providing supervision and technical guidance to the Branch Heads and staffs and assists the Division Head in researching and writing instructions pertaining to the security areas that are of concern to the Division. Job Relevant Criteria: Ability to express himself both orally and in writing. Ability to work successfully with employees, officials, and others within and outside the organization. Knowledge of Naval Weapons Center security practices and procedures. Minimum Qualification Requirements: 3 years of general and 1 year of specialized experience as defined in CSC X-118.

Security Clerk GS-301-4 or Security Assistant GS-080-5, Code 8402, PD No. 7284003—This position is located in the Contract Security Classification Management Office of the Security Department. Duties involve originating correspondence; filing; maintaining contract logs; knowledge of passport visa requirements; handling of telephone queries; setting up appointments and other misc. duties. Minimum Qualification Requirements: Security Clerk GS-4—1 year of specialized and 1 year of general. Security Assistant GS-5—3 years of general experience gained in analytical, decision making, or administrative work and activities. Job Relevant Criteria: Experience in prepara-

tion of contract security classification specifications (DD254) and classification management related problem areas. Ability to express himself both orally and in writing. Ability to work independently.

File applications with Pat Gaunt Bldg. 34, Room 202, Phone 2723.

Firefighter GS-081-5 Code 842, PD No. 7284014—Drives and operates a fire department structural pumper, and performs structural and brush pumper or any type crash fire truck; participates in drills and classes; periodically inspects Center buildings and property; maintains records regarding the maintenance and service of assigned apparatus and equipment, etc. Job Relevant Criteria: Must hold current Nevada and California Drivers License. Minimum Qualification Requirements: 3 years of experience required.

Warehouseman, WG-6697-5, JD No. 33, Code 2591—Performs a number of tasks in connection with the physical receipt, storage or issue of supplies. Receives, checks, stows, counts, issues and assembles supplies of all types in accordance with established supply systems, procedures and methods. Minimum Qualification Requirements: Rating will be on the basis of existing J elements standards in accordance with CSC X-118C. Applicants must submit a supplemental experience statement.

Forms can be picked up in Room 204, Personnel Department. Job Relevant Criteria: Ability to do the work without more than normal supervision. Ability to prepare and process supply documents. Ability to perform warehouse procedures. Ability to follow directions. Ability to work safely. Physically able to lift up to 100 lbs.

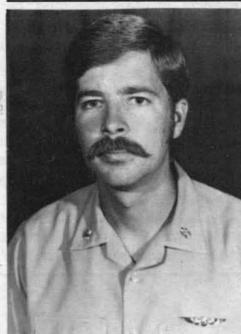
Stockman, WG-6697-4, JD No. 32, Code 2593—Performs and is responsible for all work operations of an assigned storage area relative to the physical receipt, storage, or issuance of supplies. Receives, checks, stores, counts, or assembles supplies of all types utilizing established procedures. Minimum Qualification Requirements: One year of progressively responsible experience in two or more of the normal warehousing activities, including the physical receipt, storage, inventory, issue and rewarehousing of various classes of equipment, supplies, component parts, and the completion of covering papers and/or documents. Rating will be on the basis of existing J elements standards. Supplemental experience statement must be submitted and can be obtained in Room 204, Personnel Department. Job Relevant Criteria: Must be able to show experience or ability which indicates the potential to perform the duties of stockman; must have demonstrated ability to correctly and accurately complete proper papers, documents and records pertaining to receipt and issuance of material in a warehouse; must have demonstrated a knowledge of proper Navy warehousing procedures and methods.

Equipment Specialist (Automotive), GS-1670-5, 7, PD No. 14538, Code 2594—issues material, provides for identification of materials required for repair of automotive vehicles; determines interchangeability or substitution of items in stock; makes analyses of equipment repairs to determine feasibility; maintains custody of materials. Minimum Qualification Requirements: Three years of technical, trade or craft experience related to the automotive field and, for the GS-7, one year of experience in an advisory, analytical, technical, professional or trade and craft capacity which provided a thorough, practical equipment in the automotive area. Job

knowledge of specific equipment or types of Relevant Criteria: Experience in the item identification field, automotive parts background or extensive experience in the use of commercial and Navy stock catalogues is necessary. Knowledge of auto mechanics terminology is required. Practical knowledge of overhaul, maintenance and repair of equipment also required.

General Supply Assistant, GS-3001-4, PD No. 825022 AmI, Code 2571—Monitors the supply support effort for specific assigned projects from inception of the requirement through delivery to the user. Will coordinate across Supply Department lines to insure material readiness to support planned programs and to clear work stoppages. Minimum Qualification Requirements: Three years of general experience which includes experience which provided a knowledge of Public Works planning, estimating, and scheduling procedures and six months specialized experience which has provided a thorough knowledge of Supply Department procedures. Job Relevant Criteria: Ability to persuade others and gain their assistance; High degree of initiative; Ability to plan work and utilize time effectively.

File applications for above with Claire Lewis, Bldg. 34, Room 204, Phone 3118.



PROMOTED—Lieutenant Commander William Dunbar, VX-5 Flight Surgeon for the past one and a half years, was promoted to his present rank Monday during ceremonies officiated by Capt. C. Birdwell, Jr., Commanding Officer of Air Test and Evaluation Squadron, Five. Dunbar came on active duty as a Lieutenant in September of 1970 after being commissioned a Lieutenant (junior grade) at the start of his medical school training at Temple University, Philadelphia, Penn. He, his wife Jan, and their two-week old daughter, Jill, reside at 625 Randall St., in Ridgecrest.



By Jack Lindsey

No matter how far you go away from Ridgcrest-China Lake, it seems like you always bump into someone from home. While shopping in FEDCO last week, I ran into Ed Donohue, buying his usual supply of 19 cent golf balls. He bought a large amount (about two dozen, I think), but that's because they were on sale for 13 cents. I asked him "How come so many, Ed," and he said that half of them were for Frank Sima, who always uses quality golf balls. (I think Ed charged Frank the regular rate.)

Only four games were played in the fast pitch game this past week. On July 6, A&L Tire whipped Texas Instruments 9-3 with Jerry Wilson notching the victory. Ron Shiers and Tony Cozzocoli hit home runs. In the second game that day, Ace TV smashed NAF, 15-5. Roland Hood and Ray Davis were the big bats for the losers, while Warren Turnbaugh was the hitter for Ace.

Lloyd Castillo recorded the victory and Doc Walton lost the game.

Walton and NAF got even however, on July 10 as they smeared A&L Tire, 18-2, with a 15 run second inning. The tragedy was that NAF only banged out five hits in the inning. However, three of them were home runs—two grand-slam bombs by Roland Hood and Lloyd Richards, and a solo blast by Bill Siegel.

In the first game of the evening, Bud Eyre beat Texas Instruments, 7-2, with Bobby Kochman picking up the win. Tom Haus hit a homer.

Mets Crowned Champions Of Colt League

The Mets were crowned champions of the Indian Wells Valley Colt League last week by virtue of a win by them over the Giants, and a loss by the second place Cardinals to the Dodgers.

In the Mets-Giants game, Al Chieze recorded a victory by giving up only three hits and three walks to beat the Giants, 5-1. Bruce Zagala, pitcher for the Giants, also only gave up three hits, but he walked five batters, all of whom scored.

The loss of all-star Amos Blanche and Ricky Deskin spelled defeat for the Cardinals in the game played against the Dodgers July 6. Both Blanche and Deskin were ejected from the game for throwing their helmets.

"Neither boy threw their helmet in anger," said losing coach Vern Gallaher, "however, the umpire's ruling is final and we had to abide by the rules."

Don Gallaher was the losing (Continued on Page 8)



TENNIS CLUB OFFICERS—Officers of the China Lake Tennis Club pose for a photo following the successful running of the 1972 annual tennis tournament. They are, left to right, Ben Quiroz, clinic director, Jim Stanford, tournament director, Jim Clinton, president, and Fred Hagist, secretary-treasurer. Bob Forrester, vice president of the group, was not available for the photograph.

Softball Results, Standings As Of July 14 Are Listed

In the National League of girls' softball there were two games played last week. Stephany Blanche smashed three runs across the plate to lead her team in hitting as the Braves crushed the Dodgers 4 to 2.

In the same league a close match was played between the Cardinals and Giants with the Cards emerging the victors 11-10.

STANDINGS	
Minor League	
Red Sox	6 3
Angels	6 3
Yankees	5 4
Rangers	5 4
Athletics	3 6
Indians	2 7
National League	
Dodgers	5 1
Braves	2 4
Cardinals	2 4
Giants	2 4

American League	
JD's Wranglers	9 1
Senn's Sneakers	7 2
Bamboo Club	7 2
Continental	5 3
Telephone	4 4
Saints	2 6
Pioneers	1 7
Dobs	0 8
Sandpipers	0 8

FAST-SLOW PITCH STANDINGS	
TEAM	WINS LOSSES
Farkel Family	15 0
Bamboozers	11 3
Stewburners	9 5
Maladroits	7 6
Sandblasters	7 7
Coors Engineers	5 8
RF Devils	5 9
Lardos	4 9
Muthas	3 9
Dingbats	2 12

SLOW PITCH STANDINGS	
"A" DIVISION	
Pioneers	11 0
VX-5	10 1
Supply	6 4
NWC	5 6
CB All Stars	4 7
Huff-n-Puff	2 10
"B" DIVISION	
James Gang	9 3
Central Staff	6 5
Ice Hockey	6 5
Saints	4 8
Bombers	2 8
Cudboors	1 10

WOMENS SOFTBALL

The Women's softball league wrapped up its season with JD's Wranglers coming out on top. The Wranglers knocked off their last two games this last week and grabbed two more wins. JD's had a

NWC All-Stars Split Twin Bill With George AFB

The All-Star softball team from NWC split a doubleheader with George Air Force Base this past weekend. After losing the first game 8-3, the local team (which will represent NWC later this summer in the Mojave Desert Inter-Service League competition) took the second game 9-6.

Bob Richards was the winning pitcher in the first contest which saw Billy Brown give up 8 runs and 10 hits. Bert Andreasen, local fast ball artist, pitched a no-hitter for four innings against the visitors, but hung on to win the nightcap.

Lloyd Richards hit a double and two singles while Bob Hooper and Al Miller were two for three at the plate. Harlan Hershey smacked in three runs for NWC and Stoney Crawford hit a three run homer for the losers.

GOLF LEAGUE STANDINGS

Team	Points Won
Mulligans	14.5
Devastators	14
Code 551	11.5
Code 557	11.5
Code 5563	11
NAF	10.5
Big Spenders	10
Symposium	9
BHS	8.5
Transportation	7.5
Short Knockers	7
Nightfighters	6

The MDISL Story

By Rick Jackson

In February 1965, O. A. "Gabe" Imer, head of Special Services, then a Captain in the U.S. Marine Corps, established a league dedicated to promoting physical fitness and sportsmanship through athletic competition. It included participation from eight different military installations located in the Mojave Desert area. Called the Mojave Desert Inter-Service League (MDISL) each installation fielded teams in eight different sports throughout the year—handball, basketball, volleyball, bowling, tennis, softball, golf and flag football.

Imer was assisted in the formation of this league by Ray Gier, a sergeant in the Marine Corps, acting as athletic director of the Marine base. Gier is now the recreation director for NWC, still working for Imer, in a new, expanded capacity.

Each year since its inception, teams from the participating commands have competed against one another in all-out struggles for victory, and true to the principals for which the league was founded, have joined in celebration, winner and loser alike, after the games were finished.

In mid-November of each year a Commander's Trophy banquet is held, usually at Nellis AFB, Las Vegas. Select recreation personnel and base commanders gather to participate in an informal 18-hole golf match prior to the banquet. During the evening get-together, trophies are presented to winning commands for the year's contests. There are two trophies awarded—one for individual and team sports, and one for overall competition.

In the 17 years since its founding, China Lake has never finished first in the overall competition category. However, they keep trying. Last year, the China Lake golf team finished first, and this year the tennis team placed second.

On July 20, 21, and 22, China Lake will host the MDISL softball tournament at Reardon Field. All interested persons are invited to come out to the games and "root" for the home team.

In September, NWC will host the golf tournament. We are expected to once again do well in this event. Perhaps a strong finish in softball and another first place trophy in the golfing event might be enough to boost the home team into first in overall competition. It would be nice.

Huff and Puff Run Out of Breath And Players In Loss to Staffers

Last week Huff and Puff forfeited to Central Staff due to a lack of players. Central Staff loaned their short-handed center parts four players and proceeded to beat them 11-8.

In other slow pitch action The Pioneers retained their number one position by smashing the Saints 29 to 10. Supply slipped by the Ice Hockey team 8-7.

The Saints were dealt even more punishment as the James Gang trounced them 16-3. Huff and Puff finally got enough men together to play a game but to no avail. The CB

All Stars ran over them 27 to 8. In the fast-slow pitch league the Farkel Family remains on top with 15 wins and no losses. The Family was literally too much for the RF Devils and the Coors Engineers as they obliterated them 16-4 and 17-3 respectively.

The Dingbats couldn't seem to get it together as first the Stewburners blasted them 17 to 5, and later they met with a similar fate at the hands of the Bamboozers, 16-8. The Muthas walked away with another win as they defeated the Maladroits 14 to 5.



NO, THIS IS NOT THE WATUSI—Looking very much like dancers, Ace-TV pitcher Floyd Castillo (left, up on his toes) and an unidentified Valley Merchants ballplayer are caught during a moment in their game last Tuesday evening. The Valley Merchants took the game, 6-4, to tighten up their hold on second place. Bud Eyre leads the league and Ace-TV is in third place.

Bluejacket...

(Continued from Page 1) tilleryman.

In 1961 Windle got out of the Army, then worked for two years at various jobs in the construction field. His last 5½ years as a civilian, Windle worked for Phillips Petroleum Company.

By 1969, Windle was living in Denver, Colo., and stated he felt insecure as he saw competent people with as much as 20 years seniority being laid off. So, in July of that year he joined the Navy.

He was sent to Treasure Island for assignment, and from there went to the USS Ticonderoga, at that time a CVA-14, where he served for 13 months. He then transferred to CINCPACFLT at Pearl Harbor, where he stayed for 28 months.

In 1963 while he was at Pearl Harbor, Windle took leave to go to Japan to marry Toshiko, whom he had met during his previous tour. He walked through with the papers necessary for the marriage—a process that took him about a week.

Because of the red tape involved, Windle had to leave his wife in



Y.N.I. P. L. Windle

Japan while he went to his next duty station, a Washington, D. C. assignment where he served as secretary to the Chief of Naval Operations' personal aide. It was during this tour that Toshiko was able to come to the United States; in fact, she was personally escorted here by her husband, as he went to Japan on a brief job-related trip.

In 1966, Windle again travelled to Japan, this time to spend 40 months of duty in Yokosuka.

In August of 1969, he was transferred to the USS Chemung, a Fleet Oiler, where he was put in charge of the ship's office. When the Chemung was decommissioned in Sept. 1970, Windle went to the USS Mispillion, another Fleet Oiler.

In February 1971, Windle suffered a separation of the knee and was sent to the Naval Hospital in Long Beach. Recovering from his injury by that summer, he was assigned to NAF, where he arrived on July 26.

The Windles have bought a Deeter home, which has become Phil Windle's principle off-duty occupation.

McCall...

(Continued from Page 1) McCall will be Washington, D.C., where he will be Special Assistant to Vice Adm. Isaac C. Kidd, the Chief of Naval Material.

The COMNAVAIRPAC band will be on hand to add to the ceremony's festive atmosphere. Uniform for military personnel will be Tropical White Long, while civilians are asked to wear attire appropriate to the occasion.



OUTSTANDING MERITORIOUS SERVICE RECOGNIZED—Capt. E. M. Wieseke, Director of Supply, was the recent recipient of the Meritorious Service Medal from the President of the United States. RAdm. W. J. Moran, NWC Commander, looks on as Mrs. Elsie Wieseke pins the medal on her husband's uniform. The citation reads, in part, "... Captain Wieseke's outstanding performance of duty during this period (25 August 1969 to 15 July 1972) was instrumental in promoting new and improved programs to insure the thorough and effective logistic support of a tremendously large and complex Research and Development community. He displayed exceptional leadership, professional knowledge, and management ability in carrying out his duties as Director of Supply at a time when ever-changing technology and increased budget constraints made it imperative that the Supply Department respond in a timely and efficient manner..." Captain Wieseke leaves NWC this week to assume his new duties as Supply Officer of the Puget Sound Naval Shipyard, Bremerton, Wash.

Off-H'way Vehicles Need Not Be Registered Here

The new California "off highway" motor vehicle law provides for the registration and identification of all "off highway" motor vehicles (ORVs) operated on public lands.

In the July 7, 1972 issue of the Rocketeer it was announced that all such vehicles operated on the Naval Weapons Center must be registered in accordance with this law. A re-evaluation indicates from a better management standpoint that NWC administrative regulations should continue to be enforced regarding ORVs.

Therefore, since the territory encompassing the Naval Weapons Center is considered private land wherein registration and identification requirements are presently imposed by existing Naval Weapons Center regulations (NAVWPNSCENINST 5560.1C and 5560.2B) registration of "Off Highway" vehicles with the Department of Motor Vehicles by

BHS Class Of 1962 Sets Reunion

A ten-year reunion of the Burroughs High School Class of 1962 is scheduled for tomorrow evening. The Reunion Committee has planned a full evening of swimming, dancing and dinner on the patio of the Commissioned Officers Mess. The event will begin at 7:30 p.m., with a price of \$7.50 per person covering the cost. Music will be by the popular "Three Way Street." Further information on this event may be obtained from Yvonne (Heynen) Beyer, phone 446-4229.

Air Force Academy Cadet Pulls Short Tour at NWC

Interservice cooperation was given a boost recently when the Air Force Academy sent George Kehias, one of its top cadets to the Naval Weapons Center for a two-week working tour.

This first for NWC came about when John Pearson and Robert (Bud) Sewell of the Research Department's Detonation Physics Division visited the Air Force Academy near Colorado Springs and offered NWC as a place where cadets could come for working tours.

Major Charles Lindbergh, the officer in charge of summer research assignments, agreed to institute a pilot program and to send a cadet here for two of the six weeks traditionally spent on summer assignments.

Top cadets in each academic major are chosen each year to participate in the Academy's summer tours. As a Civil Engineering major, Cadet George Kehias was well qualified to work in the Detonation Physics Division. Accordingly, he was sent to China Lake to spend the last week in June and the first week in July working under Marvin Backman, head of the Impact Mechanics Branch.

Snakey...

(Continued from Page 1) produce.

Another problem encountered during high speed tests was the buckling of the links. This problem was resolved by beefing up the links. The latest configuration, the Mk 15 Mod 4, incorporating all of the above changes is capable of reliable employment at airspeeds in excess of 550 knots.

This modification program was undertaken by the Engineering Department which now has cognizance of the SNAKEYE. Gary Castor, currently on a fellowship at the University of Utah was the technical coordinator for the project.

Others involved were Don Herigstad, George Beatty, Frank Sima and Harold Hockett, head of the Freefall Weapon Branch in the Fleet Engineering Division.

A native of Illinois, Cadet Kehias found the people he worked with helpful and friendly and the work interesting, but, he admitted, "the climate I can do without."

He spent the two weeks preceding his tour here at Edwards Air Force Base. From here he will go to Los Alamos, N. Mex., for another two week tour.

Cadet Kehias will be a senior at the Academy next year. Following his graduation, he plans to go to the University of Illinois to obtain his Masters Degree on an Air Force-sponsored research and development program.

Later he will go to pilot school to get his wings (it was a desire to fly that motivated Kehias to apply for appointment to the Academy), then he intends to go back into Research and Development work.

While at China Lake, Kehias worked in terminal ballistics research applied to weapons design. He spent several days at the Hypervelocity Gun Laboratory at the Salt Wells Pilot Plant, several days analyzing data obtained from terminal ballistics experiments, and also studied how the computer is used to analyze this data.

Cadet Kehias' introduction to theory, actual firing, and computer work was necessarily cursory because of the brief time he spent here. "The important thing is not the actual work he did while he was here," Backman said, "but the fact that the Center is cooperating in this program and that it ought to be of future value to this young man in his Air Force career."

During his fourth year at the Academy, Kehias will be working on an independent research project directly related to terminal ballistics, making his two weeks at NWC of almost immediate benefit.

Coordinating Kehias' visit was NWC Air Force Liaison Officer Major Ralph L. Brown, who feels the success of this initial tour will probably motivate the Air Force Academy to send cadets here in the future for their entire six-week tours.



AIR FORCE CADET SPENDS TWO WEEKS AT NWC—Cadet George Kehias, a top cadet (academically) in the U.S. Air Force Academy, Colorado Springs, Colo., recently spent two weeks at NWC working in the Research Department's Detonation Physics Division. The duty assignment was part of the Academy's participation in summer work tours. NWC was offered as a place where Cadets could come to work for various departments, an idea originated by John Pearson and Robert "Bud" Sewell, of the Detonation Physics Division. —Photo by PH3 D. W. Yeatts



Some Views of the Action



Cub Scouts Hold Cub-O-Ree

Approximately 215 Cub Scouts from the Desert District, Southern Sierra Council journeyed to Camp Nick Williams in the Piute Mountains recently to stage a Cub-O-Ree.

They were accompanied by 58 adult leaders, all under the supervision and guidance of Richard H. Guest, an employee of Systems Consultants Inc., who is the assistant District Commissioner of Boy Scouts in the local area. Guest, who was chairman of the weekend outing was aided by Taylor Powell, who is the District Commissioner for the Desert District.

Fathers and sons found the yearly get-together an ideal time to get reacquainted and enjoy the great outdoors. All types of Scouting activities and fun-filled games were held for the Cubs.

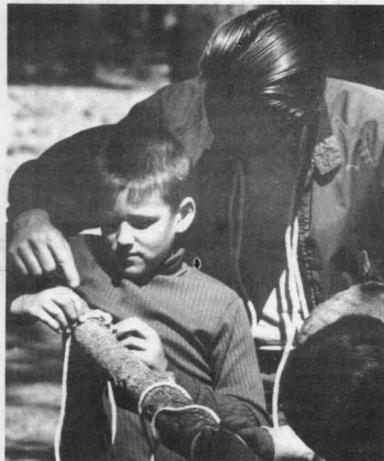
Saturday, June 22 was the big day. It started off with axe and knife demonstrations, followed by competitions in fire building and knot tying. Then the Scouts were taken on a hike through the hills.

In the afternoon a one-legged hop race was held, then a three-legged race, with prizes awarded to the winners.

The Scouts were then treated to a scavenger hunt.

In the evening, they gathered around the campfire, and witnessed a ceremony by the Order of the Arrow. Songs were sung, skits were acted out, and the evening closed with spine-tingling ghost stories, prior to turning in for the evening.

During the two and a half-days at Camp Williams, the boys and their fathers enjoyed fishing, swimming, exploring nature trails and a huge tug-o-war.



Many Changes Made In Past 100 Years

Industrial Medicine Has Come A Long Way

By Dr. Elmo Zumwalt
NWC Industrial Medical Officer

Time brings many changes to our life and Industrial Medicine represents one of those changes in our medical thinking. Much of this change has occurred within this century when it was noted that many industries allowed men to become ill, disabled and frequently lost their lives due (as was learned later) to contact with some of our base metals, by dust from the same, by fumes from the same, etc. Gradually, first one then the other began to harrange industry to improve these situations and doctors were called in. Slowly we have developed what we now look on as Industrial Medicine.

Let us think back, but a short time ago. We feel that our United States is a rather new nation. Less than 200 years have passed since the Declaration of Independence. In that day the doctor had as his aid his limited knowledge of anatomy, his surgical knife, his hands (unguarded by gloves), his anesthesia (a drink of liquor and the biting on a lead bullet to prevent more hollering than was necessary) and then he made an incision. Let us turn a few pages and recall a little more than 100 years ago. On the Battlefield of the Civil War, about the only change of thinking was that early anesthesia (produced by chloroform or ether) was available. Surgery was still about in the same stages as 100 years prior.

It wasn't until 90 years ago that Louis Pasteur proved we did have a life, in the form of bacteria, that caused decomposition and decay. For the first time we found that we could step, surgically, from the unclean world to a sterile world. It was then that the operating room, with reasonable procedures which did not produce infection, came into being. So today Industrial Medicine attempts to gather some of those lost arts that have been improved by men investigating, and guard today's people in their work, preventing in as much as it is possible, harm coming to them from their work, their contact with substances, their breathing in the air of fumes, exposure to undue noise, heat, light or radiation and to keep them in a good working condition. Such is Industrial Medicine's effort today. An effort, shall we say, to maintain good health.

Here on this Center, maintained under the Civil Service Section, is our Industrial Medical Service. At the present we have two doctors, one Industrial Hygienist, three nurses, one laboratory technician, one clerk and one receptionist serving possibly some 5,000 people. These people consist of Civil Service and allied services in this area. Three aid stations are maintained. The main one is at the Center Dispensary, one at the Salt Wells Propulsion Laboratory and one at Michelson Laboratory.

Through these areas, monthly, pass some 1500 to 1800 individuals. Examination for health conditions, treatment of injuries, discussion of medical problems are given consideration. No one is refused. They are frequently directed to other facilities where advanced knowledge in special fields should be followed.

Of what value are these? One may see an individual wherein a visual acuity reveals the necessity of proper lenses or perhaps the need of further examination. In the audio examination one may detect a hearing loss that should be investigated. In some instances, much may be done to protect the remaining ear functions for reasonable hearing. The height and weight charts reveals the fact that an individual (unfortunately more often than not) is vastly overweight in proportion to height.

This may seem trivial to some. But with the next examination and blood pressure reading, we may find that we are combining overweight with a rise in blood pressure. We then admonish this individual—Stop! Look! Listen! This warning signal may not mean much today, might not mean too much tomorrow, but certainly in the future may prevent "increasing blood pressure and overweight", pulling the individual down to the point of being disabled.

Examination and treatment of all injuries are the one thing that we most commonly think of. But they probably constitute less than 10 percent of our duties. True that the major injury is a serious thing and prompt and efficient aid is attempted to be rendered. In severe cases, the individual is referred to a specialty consultant. Examples of these cases are major damage to the eye, bone structure or obvious surgical condition that needs repairs, such as a hernia.

Some examinations are made regularly. An example would be the individual whose work brings him in contact with toxic materials. This is an endeavor to guard against damage that may quietly progress and unless checked by certain laboratory procedures could do harm to that individual.

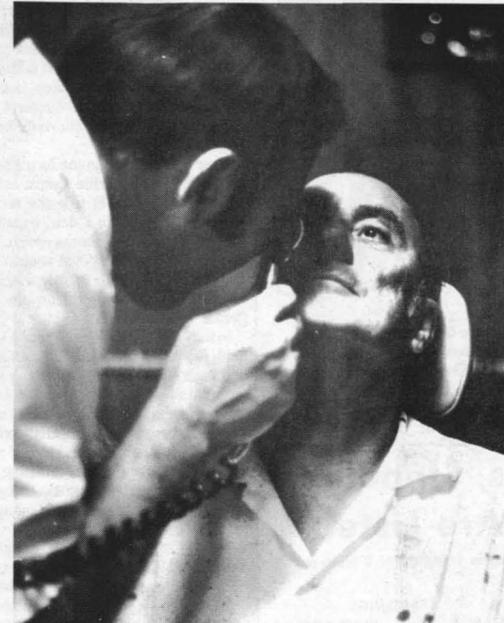
A rather extreme and new type problem is presented by the laser beam, now being used so commonly in industry and in advanced technical work. We do not know when an occasional individual may get into a laser beam and damage his eye, consequently the Bureau of Medicine and Surgery holds that each of these individuals should have a very careful examination by an approved ophthalmologist to record the findings of his eye and to have a picture taken of the retina of his eye. This will be a matter of record so that in years to come, should any damage appear, we can recognize it.

It is interesting to note that, fortunately to date, we have seen no damage from the laser and we trust that our safety measures will be so good that they will never be seen. However, it is interesting to find that many of these people who have been examined by the Ophthalmologist are found to have pathology (damage) in their eyes from other factors and referred for treatment. As a result, that individual was referred to his private ophthalmologist and in one instance, the vision was salvaged because of the early apprehension of the trouble.

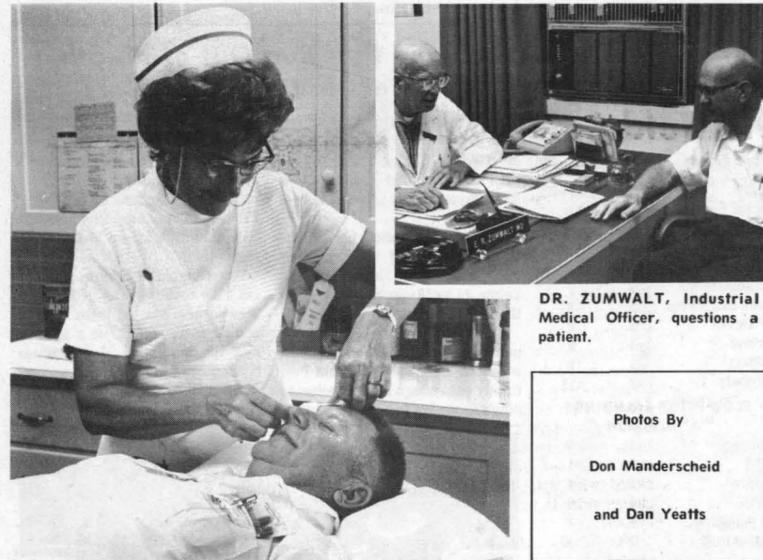
So as we progress with Industrial Medicine, we find that at many times some of our efforts reveal factors that can undoubtedly influence our future comfortable living. As a result, our door is always open and we are happy to talk with anyone about any of their problems, perhaps directing them into a field that will help them to be solved.



FIRST STOP—This is the place that patients first see when visiting the Industrial Medical Office. Marie McGlothlin, receptionist, waits for the next customer.



A PATIENT undergoes an eye examination by one of the Dispensary's corpsmen.



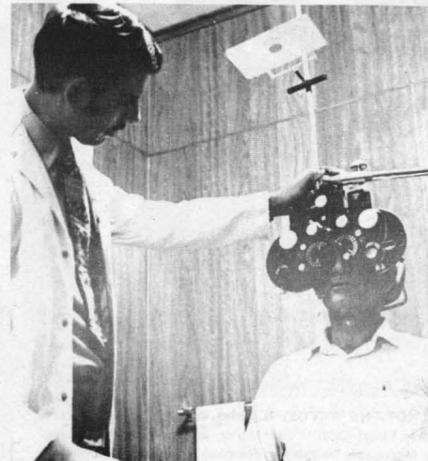
DR. ZUMWALT, Industrial Medical Officer, questions a patient.

Photos By

Don Manderscheid

and Dan Yeatts

NURSE GINNY King places a patch on a patient's eye.



Dr. William Monaco gives a patient a standard eye examination (left), and right, examines a patient for eye-ball pressure.



PHOTOS BY

Don Manderscheid

