

GRADUATION PARTY - Mrs. Leah Little, left, General Chairman and Mrs. June Brown, Treasurer of the Senior Graduating Party display the poster which announces the highlights of the June 10 affair. A buffet supper, and an evening of gaiety with a Bon Voyage theme is planned. The event will last until 5:30 a.m.



SUPERIOR LIBRARIANS — Rebecca Wise, Irene Suydam and Helen Beagle (I-r) receive awards for excellence from K. H. Robinson, head of Technical Information Dept. All are with Mich Lab's Technical Library. Helen and Rebecca won Superior Achievement Awards, and Irene won the award for Sustained Superior Performance.

CROSSWORD PUZZLE

5-Norse gods 6-Welcomed 7-Lamprey 8-Part of (abbr.)
6-Wheel teeth
11-Envoy
13-Iterate
15-Four (Roman 9-Note of scale 16. Hat orna-

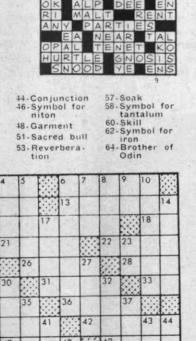
writing 24- Brazilian

41-Hard of 33-Note of scale 34-Prophet 36-Face of clock 38-Distance

40-Sow 42-Place for 'combat 45- Electrified particle 47-Hurried 49-Platform 50-Girl's name 52-Unusual 54-Compass

article 56-Chief officer 59-Symbol for 61-Dares 63-Youngster 65. Remains at ease 66-Conjunction 67-Superlative ending

DOWN - Man's name 2-Disclose 3-Football position (abbr.) 4- Heavenly



For Use In Authorized Service Newspapers Only

Tickets Out For Concert Year, **Leaders Picked**

All persons who have pur-chased vouchers for the 1966-67 series of concerts sponsored by the China Lake Civic Concert Association will select their Station Theater seats at an exchange on June 7 and 8 in the East Wing of the Chapei from 6-9:00 each evening, says Lorraine McClung of the

The sales campaign was officially ended on May 31st, and the group urges all who are new subscribers to come to the East Wing during either June

At the meeting held last week of the members of the Association, H. L. Bagge, Jr., Mrs. L. H. Blackmun of Westend, George Silberberg, and Robert J. Stirton were elected to the Board of Directors. They will serve during the 1966-67 season with Kenneth W. Heyhoe, Mrs. R. D. Hise, Mrs. R. M. McClung and Chaplain Mark Fite as the Board of Directors.

Mrs. Blackmun and H. L. Bagge, Jr., are serving additional terms since both have been on the Board of Directors

The Fiesta Mexicana, an evening of the music and dances of old and new Mexico, opens the 1966-67 series on October 5.

7:30 p.m. (Mystery in Color) A group of people are vited by a mysterious host to weekend t a castle reached only by cable car and on arrival are advised they will each
for a murder they allegedly commitAgatha Christie's thriller. (Adults,
ure youth.)

Shorts: "Pink Tail Fly" (7 Min.)
(Pink Panther)
"Island Splendor" (10 Min.)

-MATINEE--"EVERYTHING'S DUCKY" (81 Min.)

--EVENING--"MR. MOSES" (122 Min.)

7:30 p.m. (Adventure/Comedy in Color) Carnival eader of an African village and is em-proiled in a dispute between the tribe and the local government over building of a dam. And Carroll's the missionary daugh-

SUNDAY-MONDAY "HAVING A WILD WEEKEND" (90 Min.)

from an advertising agency, and the bor-ing commercials, for a weekend in the country so the publicity boys dream up a kidnapping story. The Five's music backgrounds the zany plot. (Adults, youth and

Shorts: "Snow Business" (7 Min.)
"Carnival in Rio" (10 Min.)

TUESDAY-WEDNESDAY "SEX AND THE SINGLE GIRL" (114 Min.) 7:30 p.m.

(Comedy in Color) Editor of a trash agazine boosts circulation by attacking the reputation of a pretty best-seller writer, poses as a patient and gets poor Fonda squares away. It's a frantic farce. (Adult.)

EIGHTH GRADE GRADUATION

"A SHOT IN THE DARK" (102 Min.) Peter Sellers, Elke Sommer

7:30 p.m.
(Comedy/Mystery in Color) Rib-tickling farce about the wacky French police inspec-tor who refuses to believe that the pretty maid committed murder, trails her (even to a nudist camp), and bungles his way to a solution of the crime. It's one laugh after another as Pete just can't do anything right-or wrong. (Adult.)

Short: "Zoom at the Top" (7 Min.)



TIME TO REFURBISH - Mrs. James Hicks (r) selects shades of new paint for her home at the NOTS Housing building, with help of Polly Lackie. Tenants whose houses haven't been painted inside for three years may come to the Housing Office and select the Station paint they want for do-it-yourself repainting. The paint will be delivered to the home along with brushes, rollers and masking tape.

Flower Show Yields Volumes For Libraries

April 30 and May 1 at the nected with our show." Community Center, have voted to present the China Lake Li-Library in Ridgecrest with a four-book volume of "The Illustrated Flora of the Pacific States," in appreciation for the large community support given them this year.

McAllister, the show's general ers.

The committee of women chairman, "and we felt the who sponsored China Lake's money should be returned to 21st Wildflower Show, held the community in a way con-

The ladies, members of the Women's Auxiliary of the Combrary and the Kern County missioned Officers Mess, point out that the show has always been self-supporting due to community support.

The Maturango Museum is to receive a portion of the funds "The donations were more brought in by the show, for a than adequate," said Mrs. D. T. permanent display of wildflow-



ANOTHER SIX FOR NAVY - John D. Haywood, SD-3, with 14 years of Navy service already behind him, recently shipped over for six more. LCdr. F. H. Eliott administers the oath to Haywood, a family man who makes his home at 56-C Card.

| From | STAMP HERE |
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| ny Businia. | |



Vol. XXI, No. 22 Naval Ordnance Test Station, China Lake, California Fri., June 3, 1966

Man's Vision Extended With Head-Coupled TV

Prototype Wins First Success, **Shows Concept**

By JOHN R. McCABE

The excension of man - the . extending of his reach beyond his natural body, of his mind beyond its natural speed and of his muscles beyond their natural strength — has been the main business of the craftsmen of science for ages, and especially in this century.

But the marvelous faculty of vision has been very confined when extended, or put at the mercy of a cameraman. With this challenge in mind, three engineers and other personnel of Instrument Development Division's Electromechanical Branch, Code 30, are now developing a remote TV camera viewing system, directly and quickly responsive to every natural head movement of its dis-

Chief among those at the Branch working on this Head-Coupled TV system are Leroy D. Marquardt, branch head; Lyman Van Buskirk, mechanical engineer; and James K. Katayama, electronics engineer. They and others in the division have been doing the work through funds of the Independent Exploratory Development program, through the sponsorship of Dr. W. B. McLean, NOTS Technical Director.

This concept of extending man's vision with great flexibility was demonstrated with a

RESERVE OFFICERS — 30 U.S. Navy Reserve Officers from

all walks of life recently completed two weeks of annual

training at NOTS. The officers, ranging in rank from War-

rant Officer to Captain and coming from as far away as

prototype in Michelson Lab sensors at the camera. These for, among others, the NOTS sensors command a motor driv-Advisory Board and Dr. John S. Foster, Jr., Director for Research and Engineering of

The prototype shows both the concept of head-coupled able materials on necessarily

Briefly, a fast-response sermitting elevation, roll and azimith motions of the operator's head, is connected to a remote TV camera through receiving

ing the camera through its motions. Both the transmitting sensors attached to the operator, and the camera mount, are "gimballed," or hinged in such a way that complex movements TV and the ingenuity of its de- are resolved into angles - relvelopers in working with avail- ative not to a fixed position but to the ever-changing position of the camera.

"In making the prototype," vo system, sensing and trans- says Leroy Marquardt, "we scrounged materials and items from around the area. The prototype works well, but it's too (Continued on Page 3)



PREPARING DRONE FOR TV - Jerry Williams, PH-1, tells Tom Stogsdill of Code 30 (r) of technique for launching remote-control model airplane, to be tracked by headcoupled TV system. Williams, Rocketeer

Reserve Officers End Training At NOTS

photographer, is model airplane hobbyist. Stogsdill aids head-coupled TV project in documentation and in securing targets. They are on special runway built behind Mich Lab for the miniature drones.

-Photos by Robert Hancock, FH2

Egypt Professor To Spend Summer At NOTS Code 35

AT DEMONSTRATION

Member of Army Scientific

Advisory Panel, visiting here Feb. 8, tries on head-coupled TV device in Mich

Lab, with aid of Lyman Van Buskirk of Code 30's Elec-

tro Mechanical Br. Panel

members tracked helicopt-

er, "locked on" using con-

trol box at operator's left

Dr. Saad H. Amer, Professor of Engineering at Chico State College, will spend the summer at NOTS, acting as a consultant for Code 35 in advanced electronics and as an instructor in the UCLA extension program.

A native of Egypt, Dr. Amer did his undergraduate work at the University of Cairo, after which he came to the United States. He continued his education in this country, receiving the Master of Science degree in Electrical Engineering from the University of Washington in 1947 and the Ph.D. in Electrical Engineering from Stanford University in 1949.

He then returned to Egypt where he was employed by the Cairo Power Administration for a period of five years. In September, 1954, he immigrated to the U.S. and since 1957, has been an American citizen.

Dr. Amer has been a member of the Chico State College engineering faculty for the past eleven years, and as such, has helped produce a

(Continued on Page 3)

Support The 1966 Navy Relief Fund Drive

Boston, were given a complete tour of NOTS major proj-

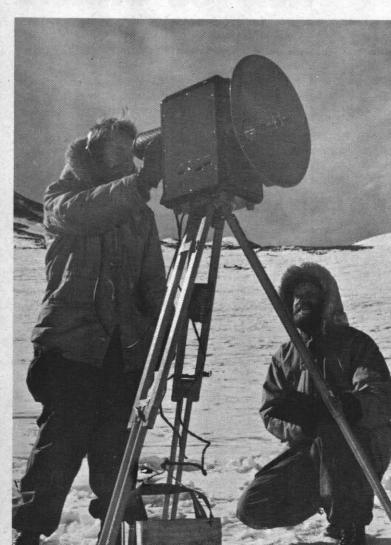
ects, including a visit to San Clemente Island. A background

in either science or engineering is required in order to

take the two weeks training at China Lake.

Saga of Men, Ships, and Planes Against The Last Frontier

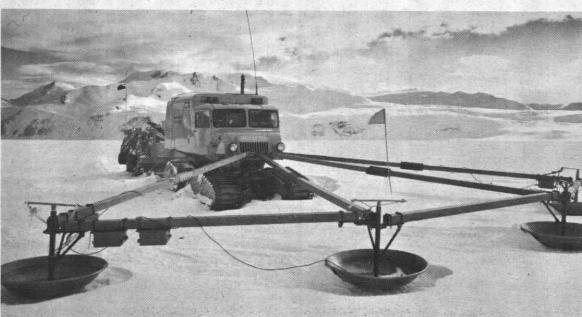
Friday, June 3, 1966



TELUROMETER in a snow covered pass. The instrument is designed to measure distances by radio waves.



CLIMBING CREVASSE — A sub-zero climb of this nature takes nearly a minute to gain one foot.



safety of the personnel at the South Pole. "DETECTOR" CAT - This odd looking ve-It is designed to detect crevasses. hicle plays a very important role in the

Last Frontier Has Challenge For Scientists

ROCKETEER

BY DAVID L. KIMSEY

Operation DEEP FREEZE is the code name given to the Navy's logistic support effort for America's scientific probings in Antarctica, and was begun early in 1955. A small group of 200 Americans winter over each year to carry on the scientific studies and related support functions.

These recent pictures were furnished by LCdr. Russell Myers Jr., Ass't Public Works Officer, NOTS, and were taken at the Naval Air Facility, Mc-Murdo Sound and Amundsen-Scott station at the geographical South Pole, a distance of approximately 700 miles. Meyers spent three tours there.

In a world almost its own, where the maximum temperature ranges from minus 103 deg. to 9 deg., and it's dark 24 hours a day from May until August, it's hard to believe that it is also a desert. It's true. The average annual snowfall at the South Pole is between 5 and 6 inches. Equal to ½ inch of rain.

Antarctica has no population of its own. The only persons living there are scientists and support personnel sent in by 12 nations carrying out research programs.

Nearly all the facilities at the South Pole are located beneath the surface.



LCDR. RUSSELL MYERS. Jk. . . . Ass't Public Works Officer





SITE OF THE FIRST ON THE ANTARCTIC CONTINENT

NUCLEAR POWER PLANT-A party from New Zealand visits the first Nuclear Power Plant at the McMurdo Station. LCdr. Russell Myers is on the left in the picture.



SEAL HOLE—The team is measuring the circumference of the hole prior to turning on the Aqua-Therm for ice eroding.



SOUTH POLE STATION — The base was built on Deep Freeze during the summer of 1956-1957. You will note that nearly everything is under the snow.



DOG TEAM of four New Zealand Scientists conducting Geological Surveys. Navy R4D is seen in the background.



presentation of this plaque to the United States Navy marked the 50th anniversary

sen and Scott. Many nations participated in



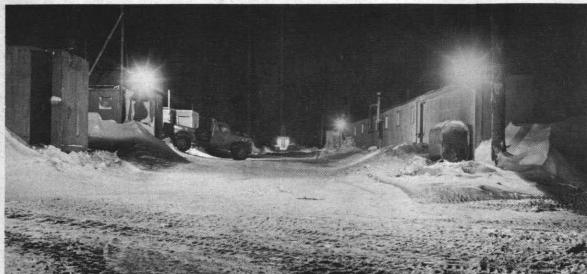
SCRAPING SNOW — Loose snow which has been blown out of the chutes of Peter Snow-

miller is scraped from the walls of the main tunnel at South Pole Station.

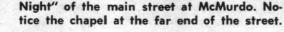


INSTALLING ARCHWAYS — These archways are placed over the tunnels above

and then covered. It will then become the main passage, or main street, of the base.

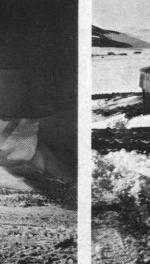


MAIN STREET AT MC MURDO - This is a "daytime" picture taken during the "Long



ROBERT SCOTT, one of the first explorers constructed this hut. The summer visitors are very interested.

The control of the co



Hold That Tiger

(Paper), That Is

BY RAY HANSON

made of that flimsy substance

league. The Tigers have won

15 and lost 5 so far, to lead

the league by one game. Sec-

ond place belongs to the Late

Four (14-6), while the Shrikers and the UFO's are tied for

third with records of 12-8

sist of Lina and Dan Moore

and Jack and Dawn Kindred.

Aitchison, and Ed Karig.

The hurrying Late Four boast Donna Seaman, Dory and John

High scores for the fifth

week of play are as follows: team series, Shrikers, 2437;

team game, AstroNOTS, 800;

men's series, Ed Karig, 661;

men's game, Lyle Emerick,

254; women's series, Deanna

Bingham, 635; women's game,

Elayne Colson, 231.

The Paper Tigers are show-

NOTS Pasadena



SUE GUERRIERO is pleasantly surprised with a Quality Salary Increase, presented by Lt. E. S. Perry, Pasadena Public Works Officer. Secretary and "trouble shooter" in the Pasadena and Morris Dam Maintenance Division, Sue will quickly find a solution for your maintenance problems if you dial her on 446.

NOTS Rockets Put Out The Fire

ball team) now holds a record of two wins and one loss, having triumphed over the El Monte Fire Department with a score of 7-2.

game with Pete's Possums there?

NOTS Rockets (slo-pitch soft- were not known at this writing,

Tonight's contest is with Hoffman Electronics, to be played at Wilkerson School, 2700 North Doreen, El Monte. Results of last Friday's Game time - 8 p.m. See you



LTJG C. D. STENDER, Enlisted Personnel Officer, congratulates George O. Dyer, BMI, on his recent six-year re-

George O. Dyer Ships For Six

Mate First Class, shipped over to NOTS YFU-53 as alternate for six years at the Long Beach Petty Officer in charge of that tact Nancy Reardon, Pasadena and guidance, the incumbent Sea Range on May 18th.

George O. Dyer, Boatswain's land and recently transferred craft.

Dyer reported to NOTS in er hails from Sand Springs, submitted when applying. April 1964 from the U.S. Na- Oklahoma, where his parents val Air Station, Dallas, Texas. make their home. According to ect Moray at San Clemente Is- 32 years old and holding.

Kitten Smitten By New Life, Love And The Pursuit Of Happiness

7th on a quiet Saturday morning in the "Ready Room" of Armed Forces Day. the Transportation Branch at Pasadena. Now, ordinarily, Saturday mornings are nice quiet times at the office —— no noisy people, big engines, or other distractions. Helen Melger, our friendly dispatcher, just ing that they aren't really happened to choose this quiet time to catch up with some pain the NOTS summer bowling per work.



GRADUATING FROM eyedropper to doll-size bottle, NOTSy proves to be a gourmet and eating becomes a constant thing.



A FURRY-TYPE MOMMY is found for the little one and life takes on new meaning. "This is the cat's meow."



AFTER INTRODUCTIONS to her new brother and sister, two weeks her senior, NOTSy is accepted as one of the family. Many wish to adopt her.

PROMOTIONAL OPPORTUNITIES

Petty Officer First Class Dy- 492. A current SF-58 must be or sketches of weapon compo- out a faucet.

He was first assigned to proj- our reporter, he is a bachelor, Technician, GS-7, PD: 5P80014 to confirm new design or mod- determine who the lucky par-1, Code P8093 — Working ifications.

To apply for vacancies, con- from engineer's instructions nents, assemblies or associated equipment. Also conducts Mechanical Engineering tests on ordnance components may have to hold a lottery to

Across the plant, the Public This story began last May Affairs Office was humming with "catch up publicity" for

Suddenly, Helen heard a wee little cry in the "Ready Room." Startled and curious she began a search for the source. The room was empty and she shook her head and started to leave when another little cry came from a dark corner. There she found a new born kitten, obviously only a few minutes old, with no mother in sight.

Used to coping with most emergencies, Helen became slightly panicked at this one. Little Miss Nobody, later named NOTSy, was placed on a paper napkin and, you guessed it, Helen put in an emergency call to "Public Affairs."

We three, Carney, Nova and Virginia, arrived with the speed of a beam of light and "took over." In nothing flat, an eye dropper (29 cents), a milk warmer (\$7.50), and a half-gallon of homogenized milk (45 cents) had been obtained.

Feeding Becomes Problem

Everything was fine, taking turns feeding the little orphan between jobs, but what to do after the day's work was done?

The Kraemers, who now had one 12-year-old Persian cat and one standard poodle, seemed the logical family to feed the kitten every hour for the next few weeks. That is, it seemed logical to one-half of the Kraemer Klan. The one present!

Miss NOTSy was well fed all day Saturday, attended a large Bridge Club party Saturday night where she accumulated lots of foster parents. Each "Dummy" took turns with the formula and eye drop-

By Monday morning, the Kraemers in a dazed condition. crawled into the Foothill plant with NOTSy and paraphernalia, pleading for volunteers to help out "at least one night."

Now NOTSy had no badge, but since she was a native of NOTS, Security came to the rescue and Barbara Leisge (with only two cats at home) promised to board her for a night and help establish a "watch list" for the next few

Foster Mother Found

Being part FBI and part ONI. Security always has contactseven with mama cats. Before the day was over a foster mother of the furry variety was located and Barbara rushed our little mascot over. Although her own kittens were two weeks old, the mother cat assumed this additional responsi-bility gracefully and we might say a bit "jealously."

Later in the week when Barbara made a social call on NOTSy, the new mother took one look at her, rushed over and covered the kitten with her nice warm body and refused to budge until Barbara departed. Rather unfriendly, we think, but in the spirit of a true mother.

Now the end of this story will be written when NOTSy is Personnel Division, Extension does design layouts, drawings, a bit older and can eat with-

> She has to her credit a waiting list of foster parents. We ents will be.



NEW WACOM OFFICERS - Ellen New (right), new president of the Women's Auxiliary of the Commissioned Officers' Mess (Open), accepts gavel from outgoing presi-

dent Mimi Chapman. Other new officers holding WACOM scrapbook, I-r, are Donna Goettig, treasurer; Elaine West, vice president, and Betty Stoops, secretary.

WACOM Installs New '66 Officers

Officers Mess (Open) installed recently were Ellen New, pres- Thrift Shop treasurer. ident: Elaine West, vice presry; and Donna Goettig, treas- itable organizations from pro-

lene Thelen would continue as lief WACOM representative to the Advisory Group. In addition she will head the Ways and Means Committee with Steph-

Others appointed to WA-Fletcher, publicity.

Thrift Shop Chairman Celeste Moore has been

New officers of the Women's named Thrift Shop chairman Auxiliary of the Commissioned with Dorothy Bodwell as cochairman, and Alice Zillmer as

WACOM contributes approxident; Betty Stoops, secreta- imately \$3,000 a year to charceeds earned by its operation Newly installed president El- of the Thrift Shop. One half of len New announced that Fay- the proceeds goes to Navy Re-

Other Chairman

Jean Romero will head the membership committee assistanie Turlay as her co-chair- ed by Sarah Standifer and Jer-

Priscilla Walsh will be re-COM positions were Tina Kne- sponsible for name tags, Lana meyer, parliamentarian; Joan Cobb for posters, Jeanne Rob-Ellefson, historian; Marge cke, who served as WACOM Cruse, hospitality; and Helen vice president in 1962, will serve as dance chairman, and Peggy Collier will head the telephone committee.

Prototype Wins First Success

(Continued from Page 1)

bulky for the applications we have in mind. We're now getting ready to put together a much more compact and much lighter system that we can use in a helicopter."

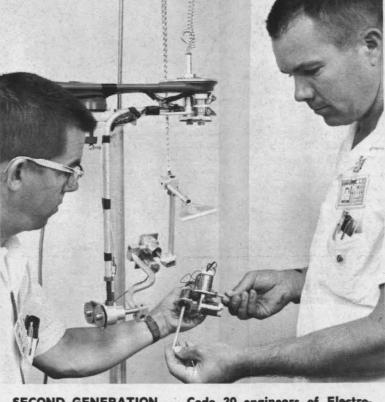
The heavy TV screen, taken from a portable set and mounted on a flight helmet, will be replaced by a one-inch picture tube with 1,000 line resolution. The gimballed sensor-transmitters, mounted on a former drafting machine, have been combined into a unit weighing only about 18 ounces, and giving 210 degrees of azimuth and 90 to 100 degrees of elevation.

Jim Katayama's work with

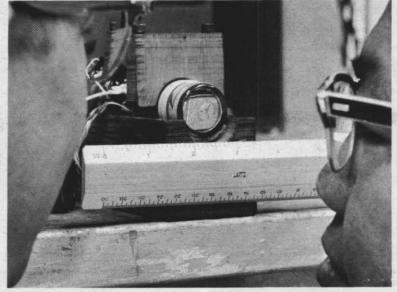
the electronics of the system, as well as his other work for the Branch, netted him two awards this week - one for outstanding performance, and another for Sustained Superior Performance. Lyman Van Buskirk has worked with the system's mechanics, and described its progress in several reports. Other workers include technicians Alan Sorensen, Robert Franks and Dick Miller (electrical); L. C. Moons, Instrument Maker: Earl Norman (mechanical technician); Lois Frisbee, draftsman; and Tom Stogsdill who works with documentation and in securing tracking targets.

Already, using both a helicopter and a remote-controlled model airplane, the head-directed camera coupled with a tracking error detector has been made to lock on to the target and follow it automatically. The new system will provide a 45-degree field of view with picture quality equal to normal vision (minus color). It may soon be further enhanced by a lens-switching "zoom" capability on the slave camera, and even, possibly, stereo vision for the operator.

uses and goals of head-coup- head-coupled TV project, he would be the addition of col- stalled in the driver's seat of servants may evolve. led TV as one part of a gen- reports, "Immediate goals for or." eral Man-Expansion program to the helicopter installation in- He points out that the free- mote operator can effectively well as the mere form of his land a helicopter through the vious restrictions is a main obstacle course."



SECOND GENERATION — Code 30 engineers of Electro-Mechanical Br. display miniaturized components for second generation head-coupled TV man-extension system. ABOVE, Lyman Van Buskirk (r) shows compact gimballed head position sensor-transmitters to Leroy Marquardt, branch head and supervisor of project. Behind them is original prototype's for mounting the sensors leading from helmet of operator. BELOW, Jim Katayama (r) discusses quality of one-inch TV tube's resolution with Marquardt. It will replace five-inch tube of original rig, taken from portable TV set.



manual abilities."

ceptual abilities of a man's nat- the capability of night rescue sensing height and distance; ties of the head-coupled TV ing headlight lenses.

television system. Also, current goal of the work. "The net ef-



1000 HOUR AWARDS-Capt. John I. Hardy, right, and Chaplain Mark E. Fite, left, present 1000 hour award pins for voluntary Navy Relief work to Mrs. Anna Hubel, left, and Mrs. Jeanne Robcke. 1000 represents 125 working days.

Egypt Professor To Spend Summer

(Continued from Page 1)

number of young engineers who are now employed at NOTS. Among them is Richard M. Smith, Code 3516, and a UCLA extension student, who remembers Dr. Amer as an exceptional instructor.

"We are fortunate indeed to have Dr. Amer on our faculty this summer," said Dr. A. G. teach Engineering XL 100C, ed persons are invited. Systems Signals, and Noise. He added that this is a new, quarter system course and that it is being offered now in order to prepare those students of \$55. It will meet on Tueswho need it for the control days and Thursdays, 4:30-6:30 systems courses. These cours- p.m., beginning June 21 and es will be taught during the ending August 25. Further incoming academic year by Dr. formation may be obtained in

Don Kusterer of the China Lake Astronomical Society reports that the Society is presenting a film, "How Many

Astronomical Society

To Show Film June 6

The movie tells about the stars that can be seen by the 200-inch telescope at Mount Palomar.

Stars," at its June 6 meeting

at 7:30 p.m. at 401 McIntire

Plans for a star-viewing par-Hoyem, Education Director, in ty and other summer activities announcing that Dr. Amer will will be discussed. All interest-

Engr. XL 100C is a 4 unit course with a registration fee Neville Rees of the UCLA fac- the UCLA office, Room . 1004,

ural senses and to extend his missions or other military ap- reacting (as has been demon- idea, further uses and applicaplications. And another possistrated) to a ball thrown to the tions to free men from the lim-Van Buskirk explains the In respect to the present ble extension of this system camera. With the camera in- itations of today's mechanical a pickup, for example, a re-

Michelson Laboratory.

Dirty, bug - splashed windextend a man's flexibility as clude the ability to fly and ing of the operator from pre- steer the vehicle through an shields and windows are an added strain on eyesight and driving efficiency. Give plenty As the men in Electromech-"The goal of the program," developments in 'night adapt- fect," he says, "is such that anical Branch continue to re- of attention to the cleanliness he says, "is to extend the per- ed' TV systems may provide the observer reacts naturally, fine and extend the capabili- of your vehicle's glass, includ-

CHAPLAIN'S MESSAGE

An Example to Follow ...



BY CHAPLAIN PAUL L. TOLAND

An all too little known group that fought for the United States in our Revolutionary war was made up of very old men. Eighty old German soldiers, who had served many years under different governments in Europe, finally emigrated to America and turned their swords into plowshares.

When their newly - adopted country needed them, however, they voluntarily formed themselves into a company and took up their arms again in the cause of independence. Their captain was nearly one hundred years old, had been a soldier for forty years, and had fought in seventeen battles. The drummer was ninety-four years of age, and the "junior" of the group was almost seventy.

Instead of stripes or a badge these men wore a piece of black crepe, to express their regret for having to take up arms at such an advanced age. Yet, this unique band fought bravely. As they expressed it: "We should be deficient in gratitude if we did not act in defense of a country which has afforded us a generous asylum, and protected us from tyranny Craig, 72676.

Our country is presently engaged in aiding Viet Nam in defending itself from aggression. Our nation has committed itself to aid and defend this small country so far from our own

Thousands of our young citizens are involved in our effort to bring peace to that troubled land. Thousands have given their lives already in this conflict. Daily these sacrifices continue in the hope that they will bring freedom and justice and peace to that poor country.

May God grant to all these heroic Americans a place of contentment, light and peace. May God grant to us left behind the courage and the strength to follow their example if we are asked to make the same sacrifice for our beloved country.



MEMORIAL DAY MASS-A Memorial Day Mass was celebrated at the All Faith Chapel on Sunday, May 30. Participants in the service were the American Legion, VFW, K of C and the U. S. Navy. Ridgecrest Mayor Ken Smith represented the City. More than 800 people from NOTS and Ridgecrest attended the service conducted by Father Toland, Catholic Chaplain.

DIVINE

Christian Science (Chapel Annex)-

Morning Service-11 a.m. Sunday School-9:30 a.m.

Protestant-(All Faith Chapel)-

Roman Catholic (All Faith Chapel)-

Morning Worship—8:15 and 11 a.m. Sunday School—9:30 a.m., Chapel An-

nexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) lo-

Holy Mass-7, 9:30 a.m., and 12:30 p.m.

Daily Mass-11:30 a.m. in Blessed Sacro-

NOTS Jewish Services (East Wing All Faith

Chapel)-8 p.m. every first and third

Sabbath School-10 a.m. to noon, every

P. O. Box 5436, China Lake, or phone

Confessions-7 to 8:00 p.m. Saturday.

first and third Saturday.

The Rocketeer Official Weekly Publication

China Lake, California Capt. John I. Hardy, USN

"J." Bibby Public Affairs Officer

Frederick L. Richards Staff Writers David L. Kimsey

Staff Photographers
Jerry Williams, PH1; Robert Hancock, PH2; s Smith, PH3; Jerry Willey, PHAN; and Ralph Robey, PH2 (Pasadena).

News Stories Tuesday, 4:30 p.m.
Photographs Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at 50 King St., Bldg. 00929. Phones......71354, 71655, 72082



Present Station employees are encouraged to apply for the positions listed below: Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill

Clerk-Typist, GS-3 or 4, Code 4023 miscellaneous clerical duties as required. One year general office - clerical experience and one year clerical experience that involve predominately typist duties is

required.

Clerk-DMT, GS-4, Code 4005 — Types technical notes, reports, correspondence, forms, etc., from either rough draft or recorded dictation. Acts as office receptionist

Administrative Officer (Business Manag-er), GS-9, 11 or 12, Code 402 — This vacancy is located in the Anti-Radiation Guid-ance Division. The incumbent participates in planning and implementation of the di-vision goals by planning for the necessary procurements, contracts, new facilities, facility re-arrangements, and people capabil-ities that are necessary. He plans for appropriate funding and provides as complete a prediction of costs as feasible. Incumbent must have a Bachelors Degree or its equivalent plus three years progressively respon-sible experience which demonstrates ability to perform administrative assignments. File application for above with Sandi Craig, Personnel Bldg., Room 28, P h o n e

Supervisory Recreation Specialist, GS-188-9 or 11 (Code 855) — As head of the special services division, incumbent is responsible for planning, developing, and administrating station-wide recreation programs for military and civilian personnel. Recreation programs include both sports and

Experience required: GS-9 level, 5 years of experience in recreation, education, welfare or related fields, 2 years must be specialized in planning and administering rec-reation programs. At the GS-11 level, six years, with three years specialized. File application for above with 5 herry Scheer Bldg. 34, Rm. 26, Phone 71577.

Electronic Engineer (General), G5-9, 11, 12 or 13 Code 5522 — Primary work areas will be semiconductor circuit design, production engineering, and the technical assects of context ligitors on missile quidance. pects of contract liaison on missile guidance systems. Current projects include the conversion of a guidance system from vacuum tubes to all solid-state circuits with emphasis on microelectronic devices. Experience in semiconductor circuit design is desirable but not mandatory. These positions offer the opportunity to obtain broad experience the opportunity to obtain broad experience in electronic engineering including: (1) design (discrete components and integrated circuits), (2) analysis (worst case and stress supplemented by digital computer programs (ECAP)), and (3) production.

Electronic Engineer, (Solid State Devices), GS-9, 11, or 12, Code 5522 — The duties of this position include electronic cir-cuit and component design with emphasis on the use of solid-state microelectronic de-vices. Typical assignments include original designs to perform new functions and re-design of existing circuits to decrease cost and improve reliability. In addition to elec-tronic theory, the applications of microelec-tronic devices require knowledge of manu-

tronic devices require knowledge of manufacturing processes and materials used. This position offers the applicant the opportunity to broaden his knowledge in these areas by utilizing the established laboratory facilities for the handling and fabrication of hybrid integrated circuits and thin-film devices.

Helper (General), Code 5545, WB-5 — Assists Journeymen, keeping them supplied with tools and work materials, engaging in joint operations with Journeymen and performing simpler elements of the trade; may be called upon to do clean-up work like removing chips from machines, sweep-

may be called upon to do clean-up work like removing chips from machines, sweep-ing floor, and assisting in Tool Crib. File applications for above with Loretto Dudley, Bldg. 34, Room 34, Phone 71514. Engineering Technician, GS-802-7 (C a d e 456) — Assist project engineers in the plan-ning and scheduling of warhead test program requirements, assess test, design special apparatus, procures needed supplies

File application for above with Evelyn Moors, Bldg. 34, Rm. 26, Phone 71648. Bindery Worker, Code 75, ph \$3.11 -

Requires 1½ years experience.

Helper, Lithographic Pressman, (Code 75)

ph \$2.79 — Requires 6 months experience. Lithographic Pressman, (Code 75) ph \$3.72

Requires 4 years experience. File application for above with 5 herry Scheer, Bldg. 34 Rm. 26, Phone 71577. Dead line for filing: June 10, 1966.

COMPETITIVE PROMOTIONAL EXAMS Competitive promotional examination are announced for the following:
Planner and Estimator (Public Works
Structures, Annc. No. NOTS-IVa-11(66) Planner and Estimator (Public Works Structures), Annc. No. NOTS-IVa-12(66)

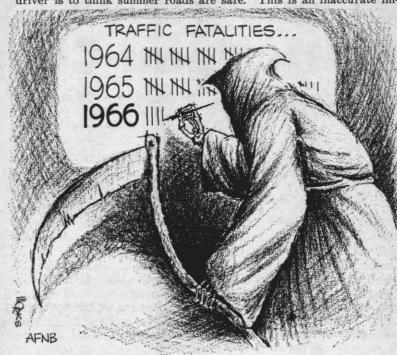
is 6 June 1966. Applicants must be Career or Career Conditional employees of NOTS, China Lake or Pasadena, California, File Card Form NAVEXOS-4155-AB and Standard Form 57 with the Detached Representative, Board of Examiners, 11ND, China Lake, California. Card Form NAVEXOS-4155-AB AND Standard Form 57 must be received or postmarked no later than the closing date of 20 June 1966.

- EDITORIAL

Road Hazards Ahead!

Summer means vacation and weekend trip time for millions of Americans, including those in uniform. For the majority, the trips will be remembered as pleasant ones. But for some, they will end in grief, pain and even death.

Warm weather, dry roads and bright sun all combine to make good drivers relax after the rigors of winter. The tendency of the average driver is to think summer roads are safe. This is an inaccurate im-



pression. Summer driving is probably more dangerous than winter driving. The difference is in the source of danger.

One major problem in summer stems from the automobile population on highways on any given day. People simply drive more in summer. The highway population sharply increases on weekends. It jumps even more on long holiday weekends such as the 4th of July. Every

Another hazard directly related to heavy traffic is the "sour temper hazard." It is brought on by heat and congestion. It can lead to rash moves—irrational lane switching, bumper hugging and sudden changes in speed.

The tendency to relax behind the wheel when the weather is good and

the road free of heavy traffic is a danger in itself. Sudden emergencies can arise that require quick reaction by an alert driver. The final major danger in summer driving is trying to drive too far, too fast and without rest. Getting home a few hours earlier becomes

more important than staying alive. Don't be one of those drivers who will become a statistic under "Auto Deaths" or "Auto Injuries" before summer is over. Drive defensively and remember the dangers of the highway. (AFNB)

Why Do We Rise for the Anthem? An Irish Immigrant Started Custom

Who is responsible for the custom of standing when the "Star Spangled Banner" is played?

It was an Irish immigrant who served with the Union forces in the Civil War and went on to become the mayor of Olympia, Wash.

His name was Rossell G. O'Brien and thanks to research by a Los Angeles man whose life-long hobby has been digging up obscure facts, the Irish immigrant may now gain the recognition to which he is entitled.

John Murray of Los Angeles, the "historical detective," ran across O'Brien's name while researching another subject.

He finally located O'Brien's only surviving grandchild, Mrs. Virginia Aetzel Schmidt, who still lives in Olympia, Wash., and through her got the information that even the Library of Congress admitted it didn't know.

A Certificate of Record compiled from "official and authentic sources" by the Soldiers and Sailors Historical Society in 1912, tells the story.

"O'Brien, it is said, originated the custom of rising and standing uncovered while the Star Spangled Banner is being

"It was first adopted by the Commandery of the Military Order of the Loyal Legion of the State of Washington at Tacoma in October, 1883.

It then became general throughout the order and on O'-Brien's motion was unanimously adopted by the Department Encampment of the Department of Washington and Alaska at its following session, which was followed by other departments throughout the nation .

Congress made it official 49 years later - long after patriotic Americans had adopted the custom.

STATION LIBRARY LISTS NEW BOOKS

Fiction Caspary—The Man Who Loved His Wife. Elkins-Criers & Kibitzers, Ki-

bitzers & Criers. Lurie-The Nowhere City. Susann-Valley of the Dolls. Westlake-The Busy Body. Non-Fiction

La Leche League-The Wom-

A complete list of new anly Art of Breastfeeding. books is available in the li- Leckie-Challenge for the Pa-

> Moynahan-Police Ju Jitsu. Taubman-The Making of the American Theatre. Wellman-The House Divides.

> Williams-Five Journeys from

Wolfe-Strange Communists I Have Known.

Swiss Family to Host Mark Metcalf of BHS

and Mrs. Harold Metcalf of versity who follows music and China Lake, will be on his way psychology as hobbies. by June 19 to a month and a The youngsters speak Swiss half stay in Switzerland as the and German in the home, but Valley's American Field Serv- can also converse in English ice exchange student this year. and French. Mark will be able

Friday, June 3, 1966

High School and active in for the summer when he arschool sports, will stay in the home of the Baumgartmer opens again in late August. family of Interlaken through August. Mrs. Marie - Jeanne will be spent at the family's Baumgartmer, whose late husband was chief doctor at the terlaken on the lake. city's hospital to 1961, has two talented children, one of high for Europe from San Francisschool age. Andreas, the high co on June 19, and from New school student, enjoys natural York on the second leg of his science and chemistry as hob- trip on the ship Seven Seas the bies, and Christoph, 20, is a next day.

Mark Metcalf, 16, son of Mr. medical student at Bern Uni-

to attend school with Andreas Mark, a junior at Burroughs for about a week until it closes rives, and about a week as it

Part of the summer's visit summer home just outside In-

Mark is scheduled to leave

Blue Cross Ins. Agent

To Visit Station Wed.

Cross Representative from Ba-

kersfield, will be aboard the

Station on Wednesday, June 8,

at the Community Center from

9 a.m. to 4 p.m., according to

Norman R. Smith, Blue



SUPPORT FOR AFS-A check for \$450 is presented to Mrs. Bard Monson, president of the IWV American Field Service, by Gary Butler, president of the Burroughs High School student body. The money, donated through the efforts of 15 school organizations, will help bring a foreign student to the campus for a year's International Scholarship. Taking part in the presentation are BHS principal Ken Westcott (I) and Mark Metcalf (r), who will spend this summer in Switzerland as the 1966 AFS representative from the Valley.

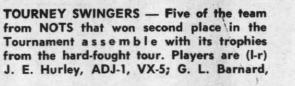
All Are Invited To Road Rally For Any Auto

Road rallying is the sport for anyone on four wheels, whether a sports car driver or Austin E. Ross, Employee Mannot, according to the members agement Relations Head. of the High Sierra Chapter of the Four Cylinder Club of America. And so this Sunday, June 5, they will conduct a 100-mile rally for any and all area drivers to begin just outside Gate 1 of the Station at 3 p.m.

The event has been set up to provide easy driving instructions and safe highway speeds over a local course - the object being to arrive at the local finish line as close to a predetermined time as possible. Entry fee for the event is \$1.00, and can be paid at the starting line next to the Greyhound Bus depot just before rally time.

The club explains that one driver and a navigator passenger, to keep track of average speeds over the various legs of the course, is the usual complement for each car.

The difference between gossip and truth is whether you hear it or tell it.



ADJC, and J. M. Strichek, AOC, of NAF; Ens. J. E. Mehrman, VX-5, and E. E. Judge, ATN-2, of NAF. Missing is M. P. Rowell, AQBAN, of NAF. Golfers toured three courses in Victorville area on tourney.

High Golf Rank Bluejackets In Military Tour

A team composed of 6 mem- place. bers from NAF and VX-5 plac-Tournament held on May 17, 18, and 19 over three courses in the Victorville, California up with a three-day total of

14 Teams In Event

China Lake getting second low net. The China Lakers finished their low net scores were: net scores of each day.

The 3 courses were Hespe- One of the members, E. E. ria, Greentree and Apple Val- Judge, ATN2, NAF, had the ley. There were 14 teams in best round of the tournament the event, with George AFB of all contestants when he shot

BY GERALD BURGESS, PH-2 and March AFB tying for first a gross 70 at Greentree on the last day. All of the team mem-March AFB took the low bers received trophies and ed second in the recent South- gross trophy and George AFB golf shirts, and all agreed that ern California Military Golf took the low net trophy, with it was a great tournament. Members of the team and

> Hurley, J.E. ADJ1, VX-5: 875 net, counting the low 4 73, 72, 77; Ens. J. E. Mehrman, VX-5: 73, 77, 74; Judge, E. E. ATT., NAF: 79, 79, 63; Strichek, J. M. AOC, NAF: 73, 69, 72; Barnard, G. L. ADJC, NAF: 84, 84, 80; Rowell, M. P. AQBAN, NAF 76, 76, 79.



SERVICE PIN PRESENTATION - One 30 and four 20 year service pins were presented by NOTS Security Officer Lt. Samuel R. McMullen. From left to right are Lt. McMullen, Firemen John W. Howell, Arthur C. Lager, David A. Wilkie, 20 year pins, and Police Officer John N. Simpson, 30 year pin. Another recipient of the 20 year pin was Police Officer Tibor A. Kulchar, not shown in the picture.



THREE NAVY LEAGUE COUNCILS VISIT—Here for a oneday tour of the Station recently were three California Navy League Councils. Left to right are the Monterey Council,

the Alameda Council, and the Richmond Council. The Indian Wells Valley Navy League Council assisted the Station in cohosting the visiting groups at a reception at the "O" Club.