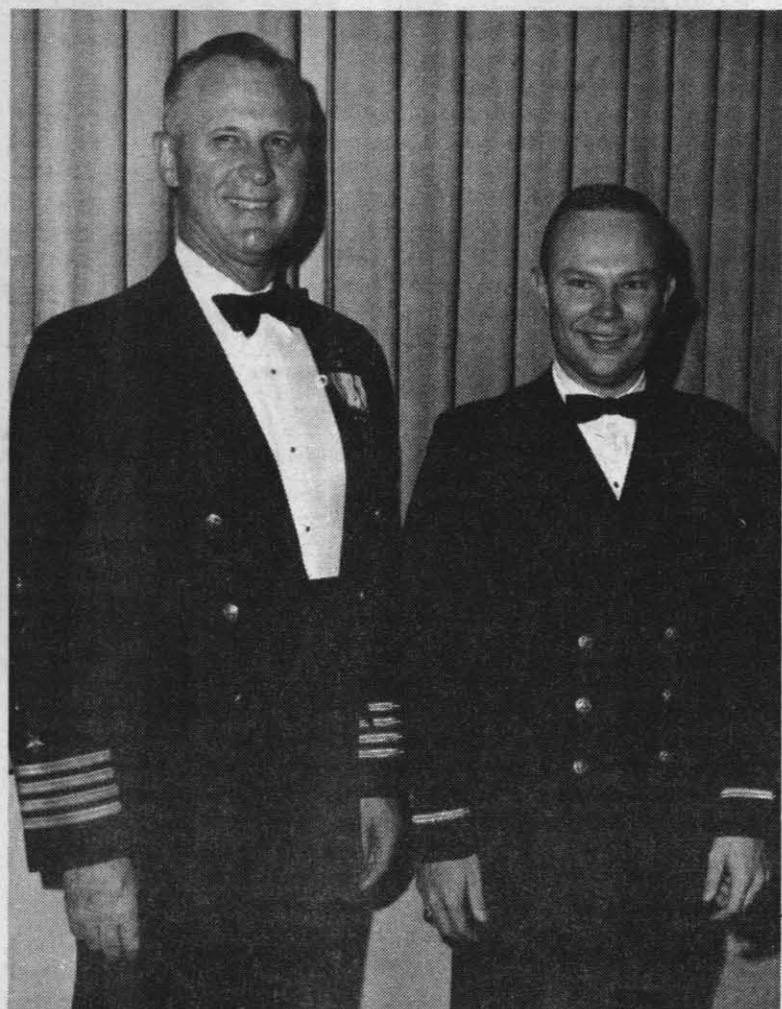


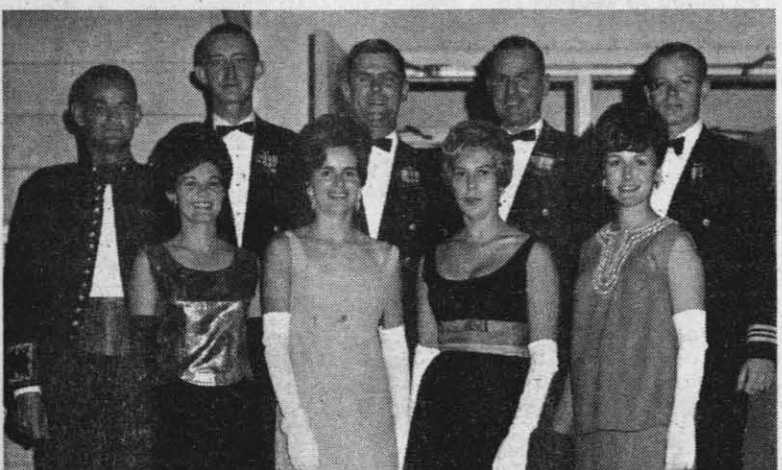
NAF's Annual Dining-In



DINING-IN RECEPTION — Heading the reception line at the recent Naval Air Facility Dining-In is Captain R. F. Schall, Commanding Officer, as he welcomes NAF Chaplain and Mrs. Irwin Thompson to the evening's affair, held for NAF officers in the Officers' Club.



HOSTS DINING-IN — Captain R. F. Schall (l), Naval Air Facility Commanding Officer and host for the units annual Dining-In, introduces Ensign Harry L. Aunes, the youngest officer in NAF, to Navy social life.



DRESSED IN FORMAL ATTIRE — Officers and their ladies dressed in formal attire for the recent Naval Air Facility Dining-In held in the Officers' Club are: (Back, l-r), Maj. Robert Peterson, USMC; Lt. Jim Andrews; LCDr. Ernie Mares; Cdr. Jack Robcke, and LCDr. Kip Banta. (Front, l-r), Mrs. Robert Peterson; Mrs. Ernie Mares; Mrs. Jack Robcke, and Mrs. Kip Banta.

VETERANS DAY NOVEMBER 11

SALUTING THOSE WHO SERVED FREEDOM'S CAUSE

Holiday In Order For Most Center People Friday, Nov. 10

Today, November 10, is a holiday for most military and civilian personnel at Naval Weapons Center and will be celebrated as part of November 11 Veteran's Day observance.

Activities closing their doors today or Saturday and Sunday to observe the three-day weekend, include: the Child Care Center and Cobbler Serv-

ice; the Center Restaurant, also closed Saturday and Sunday; the Barber Shop, Pharmacy and Laundry-Dry Cleaners will remain open today, but will close on Saturday.

Shopping Bag Market, FEDCO Service Station and Senn's Coiffures will remain open today and Saturday and the Malt Shop will be open during the holiday weekend. The Na-

vy Exchange and Commissary will close today.

Special Services activities will follow their normal schedule except for the following: Center Library, closed today; Gym/Pool, open 11 a.m. to 5 p.m.; Youth Center, open 1-5 p.m. and 7 to 10 p.m., and the Auto Hobby Shop, open today from 9 a.m. to 5 p.m.

Corona Laboratories

Corona Wives Enjoy Luncheon

Approximately 180 women employees and wives of Laboratory employees attended a sponsored luncheon at the club house of the NWC Corona Laboratories, last Thursday.

Mrs. E. B. Jarman welcomed the group in behalf of Mrs. Curtis J. Humphreys who was the chairman of the committee. Autumn decorations were featured in the Club, and the lunch of turkey and trimmings carried out the mood. A demonstration of different ways of making decorator items for the home by Harper's Hobbies of Riverside was the program attraction.

Herds of Burros, Horses Roam NWC

Aspects of preservation of California's herds of feral horses and burros was the subject of a meeting in Sacramento recently. Among those attending was Assistant Public Works Officer LCDr. John J. Farbarik, chairman of NWC Natural Resources Conservation Board. The NWC Assistant Public Works Officer was named to a standing committee that will review conservation policies and practices.

Continued cooperation with the Bureau of Land Management by NWC was assured at the meeting. While the exact size of herds of wild burros and horses on the Center's uplands is not known, the Center has

always worked closely with public lands administration agencies and wildlife managers of the California Department of Fish and Game to preserve these interesting relics of the early West.

In addition to LCDr. Farbarik, the meeting was attended by representatives of the National Park Service from Death Valley, the U.S. Fish and Wildlife Service, the University of California, the Bureau of Land Management and the California Department of Fish and Game.

Chief outcome of the meeting was agreement that intensive study of the range, habits and life cycles of feral horses and burros is needed.

CROSSWORD PUZZLE

ACROSS

- 1-Male sheep
- 4-Genus of maples
- 5-Container
- 6-Motor
- 7-Run-down
- 8-Edits
- 9-Before
- 10-Ventilate
- 11-Footlike part
- 12-Propagates
- 13-Walking stick
- 14-Great Lake
- 15-Above (poet.)
- 16-Dervish
- 17-Compass point
- 18-Dervish
- 19-Cyprinoid fish
- 20-Mental image
- 21-Man's nickname
- 22-One, no matter which
- 23-Coin
- 24-Tenonite deity
- 25-Title
- 26-Novice
- 27-Renown
- 28-Matured
- 29-Swordsmen's dummystake
- 30-Wander
- 31-Symbol for silver
- 32-Encountered
- 33-Distress signal
- 34-Title of respect (abbr.)
- 35-Commemorative disk
- 37-Posed for portrait
- 38-Man's name
- 39-Paradise
- 40-Secret agent
- 41-Cooled lava
- 42-River in Asia
- 44-Conceals
- 47-Citrus fruit
- 51-Expire
- 52-Century plant
- 53-Short jacket
- 54-Period of time
- 55-Young salmon
- 56-Communists
- 57-Soak

DOWN

- 1-Top of house
- 2-Region
- 3-Designated
- 4-Genus of maples
- 5-Container
- 6-Motor
- 7-Run-down
- 8-Edits
- 9-Before
- 10-Ventilate
- 11-Footlike part
- 12-Propagates
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SUNDAY-MONDAY

"THOSE FANTASTIC FLYING FOOLS"

(92 Min.)

Burl Ives, Troy Donahue, Terry Thomas

7:00 P.M.

(Comedy) Fasten your seat belts as P. T. Barnum (Burl) intends to propel a rocket to the moon with a new explosive. Laugh your blues away as Terry Thomas tries to sabotage the whole project. The goofiest, wackiest film of the year! (Adult, Youth, Children.)

Shorts: "Who Needs Nudnik?" (7 Min.)

"Racing to the Top" (8 Min.)

"Fastest Auto in the World" (10 Min.)

"Bee Prepared" (7 Min.)

"Tiger and the Pussy Cat" (110 Min.)

Ann-Margret, Vittorio Gassman, Eleanor Parker

7:00 P.M.

(Adventure) Here's a "sleeper" about a newsman who, while incarcerated in a Chinese prison, receives a ring which can make him invisible for short periods. Uncle Sam puts him to work as a secret agent. Action, comedy and gorgeous girls! (Adult, Very Mature Youth.)

Short: "Pink of Litter" (7 Min.)

"Tiger and the Pussy Cat" (110 Min.)

Ann-Margret, Vittorio Gassman, Eleanor Parker

7:00 P.M.

(Comedy/Drama) When a pussycat chases a tiger—there's no escape! An Aging romeo finds this out when he visits his son's girl friend to patch up a spot. A serio-comic satire of differences between youth and their elders. (Adult.)

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Corona Laboratories

Students Visit Corona Analog Computer System

Twenty-six senior industrial engineering students from California State Polytechnic College at Pomona last week visited the computer facilities at Naval Weapons Center Corona Laboratories.

Dale L. Christensen, Cal-Poly alumnus and Laboratory mathematician in Code 751, explained the use of analog computers in simulating missile systems operations. The differential analyzer was shown solving differential equations used in the simulation also.

In another laboratory, Martin Kosakoff, head of the Computer Center, demonstrated the capabilities of the Laboratory's digital computer. In a discussion period following the tour, Kosakoff explained that the digital computer is employed in missile - fuze research and development problems in addition to numerous other uses.

Assistant professor Leonhard Myers accompanied the Cal-Poly engineering students.



INVENTORS SCORE — These NWC workers received cash awards recently for their contributions to Center projects. They are (back, l-r) Richard Hughes, Jack Myers, Lloyd Holt, Melvin Bens, Richard Brophy, Dr. Gryting, Bill Burdette, Bert Stull, Charles Falterman, Clayton Panlaqui, Jim Weim-

holt and Jack Russell. In front are (l-r) Michael Halling, Dave Kermode, Harry Myers, Lee Humiston, Dr. Burkardt, Dr. Finnegan, Early Donaldson, Dr. McEwan, Dean Couch, William Woodworth, Dr. Kaufman, Clarence Weinland and Bill Griffith. Four received patent certificates, awards pending.

China Lakers Rewarded for 20 Inventions

Naval Weapons Center inventors were rewarded for their inventive efforts in such projects as Shrike, Walleye, Pad-eye, Bigeye, Bomroc, Tiara and Punch at a ceremony October 19, in Michelson Lab.

Capt. M. R. Etheridge, NWC

Commander, presented patents and notices of allowability to some 45 inventors representing 20 inventions.

Dr. Julian Thompson, Code 30, received \$100 for his Television Tracking Error Detector. Earl J. Donaldson, Code 35, re-

ceived \$100 for his invention, "Two-Degree Gyro for a Television Camera." Joseph S. Brugler, now at Stanford University, and William H. Woodworth, Code 35, were co-inventors of a "Discriminator Circuit" for use in target systems of the type responsive to input pulse signals for which they shared \$100. David Kermode, Code 35, received an original grant and \$100 for a free floating apparatus for measuring and telemetering sea-wave characteristics.

Jack Myers, Code 40, received \$150 for a modular dispenser for aircraft carried devices, and with Clayton E. Panlaqui, Code 40, received a patent for a non-lethal method for delivering incapacitating agents on which an award had been previously received. James Weimholt received \$200 from Code 40 for his method and apparatus for disseminating fluid from a vehicle in flight. Jack Russell of Code 40 split \$250 with Langthorne Sykes and Cyril D. Hansen, former Center employees, for a system for isolating multi-frequency signal components. Richard Hughes received \$250 from Code 40 for his pulse repetition frequency

detection and lock-on system.

Charles W. Falterman, William Griffith and Dr. Gryting of Code 45 shared \$100 for their temperature resistant explosive composition. Judson Eldridge, Code 45, and Robert L. Dow, now Code 40, teamed with Elmo Julian and Dr. Rice, former NWC employees, received \$100 for their modified fluorocarbon propellant composition. Dr. Kaufman, Bertram Stull and James R. Sims, now terminated, were awarded \$100 by Code 45 for an improved hybrid propellant system.

George Burdette and Dean Couch, Code 45, received \$100 for gelled amine rocket fuels. Clarence Weinland of Code 45 received \$100 for a high impulse explosive composition. Dr. Merrow, Jud Eldridge, Robert Dow, Charley Rodgers and Bertram Stull and two former NWC employees, Elmo Julian and Dr. Rice, received \$250 from Code 45 for improved extrudable fluorocarbon propellants.

Everett Bens of Code 50 and Richard G. Brophy of Code 35 shared \$100 for new chemiluminescent formulations useful on the Tiara project, and Lee Humiston, Code 50, received \$100 for his improved chemiluminescent formulations developed for the same project. Drs. Finnegan, Burkardt, McLean and McEwan and Edward LaRocca, now terminated, divided \$100 from Code 50 for an improved explosive charge in connection with work done on the Punch project.

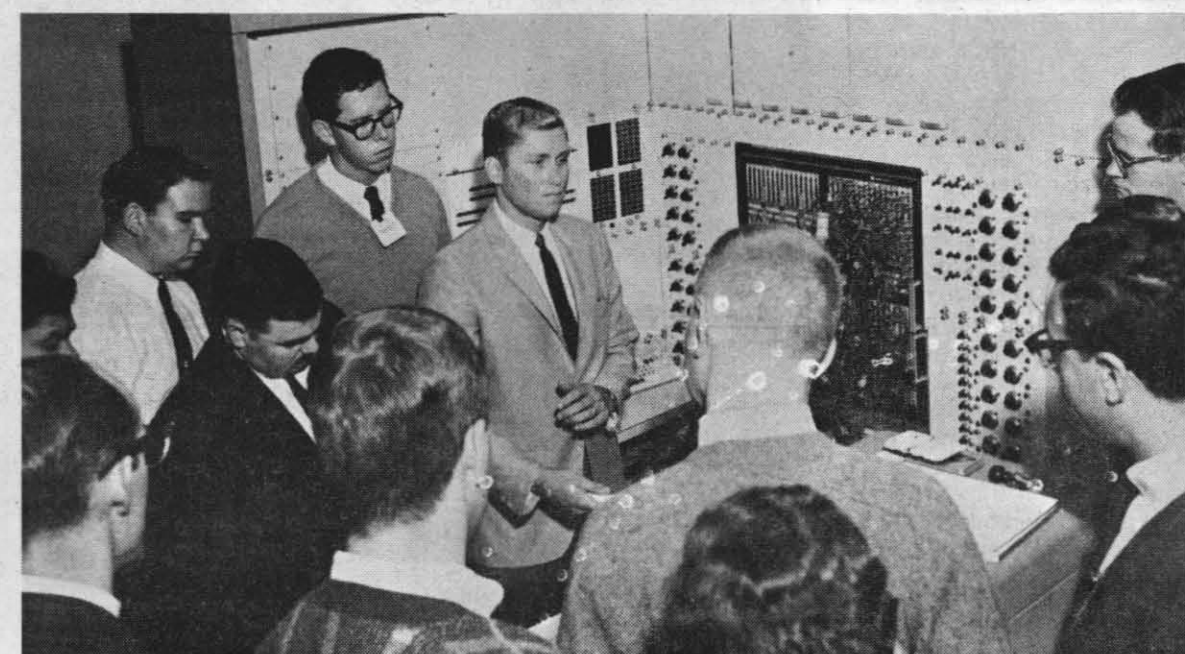
Lloyd Holt, Harry Myers and Gordon Zurn, Jr., all of Code 18, received a patent certificate for a remote control destruct system for target aircraft, as did Michael A. Halling of Code 40 for a summit sensing device. Award recommendations for these inventions are pending.

724 Prefix Due For Change Here Monday, Nov. 13

All residence telephone numbers starting with 724 (xxx) on the NWC system at China Lake will be changed Monday, November 13. About 115 subscribers affected by the change have been notified of their new numbers. Urgent official requirements made this rearrangement necessary. These changes will be shown in the new telephone directory



NRA OFFICERS AND CHARTER MEMBERS — Officers and members of the China Lake Chapter, Naval Reserve Association are, (standing, l-r), LCDr. Richard D. Malone; Lt. Peter Jokanovich; Cdr. Howard R. Anderson; Cdr. L. Neal Webb, President; LCDr. Lloyd H. Shreve, holding Charter; Cdr. Steven M. Little, and LCDr. John W. French. (Front, l-r), LCDr. Joseph A. Leask; Maj. Milton J. Sheely, USAFR, and LCDr. Leland Dean Bare. Not present for photo are Cdr. James H. McGlothlin and Capt. Albert B. Monson. Capt. Spencer Church, USNR, of San Diego, president of NRA, 11th Naval District, installed the officers for the China Lake Chapter. NWC Commander, Capt. M. R. Etheridge was guest speaker during the ceremonies in the Officers' Club.



CAPTIVE AUDIENCE — Cal - Poly students listen intently as Dale L. Christensen, (center), Naval Weapons Center Corona Labora-

tories, explains the workings of the analog computer. The group also toured other



NRA CHARTER PRESENTED — Commander L. Neal Webb, (l), President, Naval Reserve Association, China Lake Chapter 35, accepts congratulations and the official charter from Commander John H. Shanklin, USNR, (Ret.), NRA National Vice President for Membership. Installation of NRA Chapter Officers and Charter presentation ceremonies took place at the Officers' Club, Thursday evening, October 26.

Faculty Visits Center

The California Polytechnic College of San Luis Obispo was well represented at Naval Weapons Center recently when 18 faculty members spent two days as guests of the Center receiving briefings, presentations and tours. Capt. R. Williamson II, Executive Officer, NWC, welcomed the group and made introductory remarks for the occasion.

The two-day agenda for the college representatives included, during the first day, a meeting in Michelson Laboratories and dinner later in the evening at the Officers' Club.

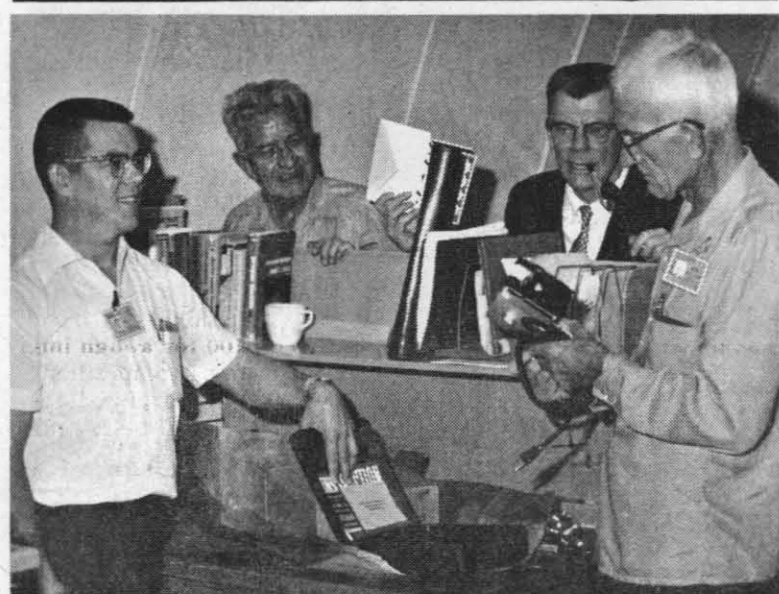
The second day saw the group once again back in Michelson Laboratories for meetings and briefings on Weather Modification, presented by Lt. W. E. Godwin, USA; a tour of the computer section and engineering facilities; a visit to Maturango Museum and Weapon Exhibit Center, and a film titled: "Three Glimpses of Albert Abraham Michelson."

Prior to their departure in the afternoon, the faculty members were treated to a tour of the Supersonic Re-

search Track Facility and a viewing of the Snort Film, with commentary by J. G. Rickhoff, Head, Track Projects Branch, Systems Development Department.

Members of the California Polytechnic College included: Russell Korsmeyer, Electrical Engineer; Richard T. Kombrink, Mechanical Engineer; Richard E. Hall, Manufacturing Processes; Robert W. Adamson, Mechanical Engineer and Associate Dean; James E. Rice, Technical Arts; Thomas Chou, Electronics Engineer; Ronald W. Hall, Technical Arts, and Edward Strasser, Technical Arts.

Other faculty members in the group were: Nelson L. Smith III, Technical Arts; Leon Wm. Magur, Physics; Curtis F. Gerald, Mathematics; Raymond G. Gordon, Mechanical Engineering; Leon F. Osteyee, Mechanical Engineering; C. T. Haskell, Mathematics; Milo E. Whitson, Mathematics; Harry H. Honegger, Metallurgical Engineering, and Franklin S. Crane, Mechanical Engineering.



LONG-TIME CRAFTSMAN RETIRES — Tim L. McClendon, a China Lake craftsman since 1950 and Code 3043 instrument maker, receives a gift of appreciation from his branch co-workers and the Systems Development Dept. as he prepares to end 40 years of service with the Federal government. Presenting him with a power saw, for his home boat-building project, are (l-r) Leroy D. Marquardt, Electromechanical Branch head; Carl Daus, Tim's supervisor, and Dr. I. E. Highberg, department head. Last March, Tim received a certificate of commendation from the Secretary of the Navy, in addition to his 40-year pin. He retired from the Navy in 1947 as a CWO after 20 years, and worked at Douglas Aircraft and Long Beach Naval Shipyard before coming to China Lake. He now lives in Inyokern.



SAFE BREATHING — China Lake Seabee reservists get training in defense procedures in case of chemical or biological warfare. Here, they are in the practical training phase of two days' classroom and practical

instruction October 28 and 29. The program, complete with a mobile training van, was furnished again this year by Pt. Huemene's Seabee Center. The trainees also included NWC Security and Civil Defense people.

China Lake Community Council Plans Town Hall Meeting Nov. 14

The China Lake Community Council will hold its first Town Hall meeting Tuesday, November 14, 8 p.m. at the NWC Community Center for people of the area to meet and discuss matters of concern with those appointed to administer common aims. Community Council Directors want to explore each issue important to those they serve.

Among the prominent guests to attend the open session are: Captain M. R. Etheridge, NWC Commander; Captain Robert Williamson II, NWC Executive Officer; H. G. Wilson, Acting Technical Director, and J. H. McGlothlin, Head Community Relations. Officials from Ridgecrest will include Mayor Kenneth Smith, Judge G. E. (Tommy) Thompson and Robert Duguid, President, Ridgecrest Chamber of Commerce. Supervisor LeRoy Jackson will represent the Kern County Board of Supervisors.

Recognizing the unique character of our city away from cities, both military and civilian counterpart officials have expressed interest in the Council's "grass root" exploration.

Basic aspects of the role of the Community Council include assistance in the community management decision-making process, that is, representing community sentiment to command levels, furnishing information on new problems before problems become critical, commenting on proposed policy or administrative regulation which affects the community, and finally, proposing courses of action.



TOWN HALL MEETING — Kenneth Miller and members of the China Lake Community Council hear report by R. K. McKnight on Town Hall Meeting plans for November 14th. The Town Hall Meeting will be an open session of the Community Council directed to exploration of issues affecting community residents.



RECREATION AREA PETITION — Community Council directors listen to a petition for a recreational area near Viweg School presented by Wallace P. Bruce and Donald W. Cooper in behalf of neighborhood boy's groups. The petition was signed by more than 300 parents.



CONGRESS FOR COMMUNITY PROGRESS ACTS — The newly formed executive committee of the Congress for Community Progress, co-sponsored by the China Lake Community Council and the Ridgecrest Chamber of Commerce, discuss legal and design criteria for a highway sign to be erected on Route 395. The committee is acting on recommendations adopted by the Congress held at Burroughs High School this past spring. Left to right, Richard A. Frederick, Associated Aero Science; John Leverette, Texas Instruments; Robert L. Duguid, Ridgecrest Chamber of Commerce, and Kenneth D. Miller, China Lake Community Council.

Plane Captains of the Month



THOMAS G. PARROTT of Houghton, Michigan, has been chosen VX-5's "Plane Captain of the Month" for November for his work with A-7 and A-4 aircraft since he arrived here from basic training last April. His father, George Parrott, retires from the Navy this month as a Master Chief Boatswain's Mate after 26 years' service. AN Tom Parrott is a defensive end on VX-5's winning football squad, and played football and basketball in high school. The young sailor is now striking for an Aviation Electrician's Mate rating.



JOSEPH W. MITTELSDORF, a native of Weilheim, Germany, and a newcomer to China Lake just last July, has been chosen "Plane Captain of the Month" for November for a boot training aide, which followed his own basic training. He brought his wife, Lorraine, to their new home at 62-A Franklin. On duty, Mittelsdorf works at the Power Plants Shop in the Target Department and is striking for an ADJ rating. Off duty, he's an auto mechanics enthusiast.



Hitchcock Film "Lifeboat" Set

Members of the China Lake Film Society are reminded that the second film of the final series, Alfred Hitchcock's "Lifeboat" will be screened Monday, November 13, only, at 8 p.m. at the Community Center, East Room. Persons who hold membership in the 1966-67 season and their guests are invited. Only two more film showings remain in this last Film Society season.

High Schoolers Are Commended For Test Scores

Letters of Commendation have been awarded to seven Burroughs High School students, honoring their high performance on the 1967 National Merit Scholarship Qualifying Test (NMQT), announced K. W. Westcott, BHS principal.

Those named Commended students are Michael L. Bowles; David M. DeMoss; Snowdy D. Dodson; Lynn Douglas; Helen L. Hammer; Bynn E. Richardson, and Charles G. Rogers.

They are among 40,000 students in the United States who scored in the upper two percent of those who will graduate from high school in 1968. The Commended students rank just below the 14,000 Semifinalists announced in September by the National Merit Scholarship Corporation (NMSC).

John M. Stalnaker, president of NMSC, said: "Although Commended students advance no further in the Merit Scholarship competition, their outstanding record in a nationwide program deserves public recognition. Their significant academic attainment gives promise of continued success in college."

192nd Birthday Celebrated By Center's Marines

(Continued from Page 1)

at Naval Weapons Center this year, 13 Center Marines, their wives and distinguished guests will gather in the Community Center Friday evening, November 10, to honor the men who made the Corps history.

Receiving congratulations Friday evening at the Marine Corps Ball will be Lt. Col. and Mrs. Burke West; Maj. and Mrs. Arthur R. Hinkle; Maj. and Mrs. Darwin D. Lundberg; Maj. and Mrs. Robert L. Peterson, NWC Acting Marine Corps Liaison Officer; WO and Mrs. Thomas J. Flynn; MSgt. and Mrs. Thomas J. Roberts; and MSgt. and Mrs. George J. Beaty.

Also included are SSgt. and Mrs. Charles R. Richards; SSgt. and Mrs. Paul R. Schroyer; SSgt. and Mrs. James E. Trent; SSgt. and Mrs. James W. Wiloughby; Sgt. and Mrs. Thomas R. Sinkler, and Cpl. Fred E. Crenshaw.

Guests of honor expected to attend the occasion are Capt. and Mrs. M. R. Etheridge; Capt. and Mrs. Rodney F. Schall; Capt. and Mrs. Robert E. Moore; Capt. and Mrs. Wendell B. Muncie, and Doctor and Mrs. William B. McLean.

Special guests will include Capt. and Mrs. E. J. Jaruszewski; Capt. and Mrs. Francis R. Walsh, Jr.; Cdr. and Mrs. James D. Eden; Lt. Col. and Mrs. Richard S. Clark; Cdr. and Mrs. Joseph J. Braun; Maj. and Mrs. James M. Kirvin; Mr. and Mrs. Robert B. Millett; and Mr. and Mrs. William H. Hampton.

The evening's festivities will begin at 6:30 p.m. with the reception and includes dinner at 8 o'clock, the formal birthday ceremony and cake cutting at 9 o'clock with the remainder of the evening devoted to dancing, beginning at 9:30 p.m., to the music of The Californians.

Museum Sets Condor Talk

Bird fanciers, conservationists, and others who have missed hearing John C. Borneman on condors during his several appearances throughout the Valley will have a last opportunity to catch his illustrated lecture at the Weapon Exhibit Center adjoining the Maturango Museum at 8 p.m. Thursday, November 9.

Invited here by Mr. and Mrs. Robert C. Meade for the Oasis Garden Club luncheon meeting Thursday noon, Borneman expressed eagerness to deliver his message before other local groups. Mrs. Meade accordingly booked him for the Rotary Club meeting Wednesday noon, and for several school groups, to give his informed illustrated

lecture on "The California Condor — Past, Present, and Future."

A bird chairman for the garden club, she also arranged a "birding" expedition with some young ornithologists for him on Wednesday, during the time he will be houseguest of the Meades.

The museum presentation will feature Borneman's commentary with films and slides on the history and habits of the condor, followed by a question and answer period. As part of the museum's program series, it is free and open to the public. The museum will sponsor gate passes for off-station visitors at any time.



REPORTING ABOARD NWC Corona Laboratories as of October 30, is B. Duane Houghton Jr., an Electronics Engineer, Class of 1966, California Polytechnic Institute. He is a transfer from Naval Shipyard, Long Beach, where he worked in the summer work program, and reported full time after his graduation. He is single, lives in Pomona, and will work in Evaluation Division II, FMSAEG.

Gardening Notes

By Marianne Kistler

The heat of summer is behind us now and the most pleasant season of the northern Mojave Desert is at hand. A walk or drive around our community, to see the sights of autumn, is well worth while. The clusters of red and orange berries on the pyracantha and cotton-easter bushes, the yellow, gold, and brown of tree foliage, and the showy chrysanthemums, zinnias, marigolds, and other flowers all combine to add color to the landscape. The total picture provides reassurance that a surprising variety of plants can be successfully grown in the desert environment.

Thanksgiving — the gardener can begin setting out spring-flowering bulbs. Before planting, some thought should be given to the background that the bulbs will have when in bloom next spring. Evergreen shrubs make a nice setting. Bulbs usually look better in clusters or groups rather than in rows unless, of course, they are intended as a border along a driveway or walk.

Planting can be accomplished either individually — one bulb per hole — or in groups of several bulbs in a larger prepared area. A little bone meal should be mixed with the soil in the bottom of the hole. There are different planting depths for different kinds of bulbs; specific directions can normally be obtained at the time of purchase.

Though lawn-mowing and most gardening chores are less demanding this time of year, the task of leaf-raking is just beginning. The cottonwoods and elms that overspread the China Lake community provide an immense fall "harvest" that is discouraging to dispose of. But leaves should indeed be kept raked up, for if layers of them are allowed to remain, they provide cover for undesirable insects to winter over.

Later this month — toward

Color Photo Exhibit Shows Science at Work In Labs

Artist Catches Unusual Motion In Vivid Colors

BY MILT SHEELY

One of the most recent, original, creative and imaginative color photographic exhibits is currently on display in the Main Lobby of Michelson Laboratories.

The exhibit was formulated, arranged and displayed by William Fettekether of TID's Presentation Division, Audio Visual Branch. The 29 color photographic masterpieces, each individually described, are the tireless results of Fettekether's combination of basic research tools with light and camera optics, to produce interesting interpretations of scientific investigation in progress at the Michelson Laboratories at China Lake.

His work depicts a wide variety of areas throughout the lab and deal with Fluid Dynamics; Acoustics Research Using Laser Beam; Combination of Metals—Aluminum Injected into Cyanogen and Carbon Monoxide Flame; Metal Combustion Investigation; High Frequency Induction Welding; Chemists Hand Photographed Through a Liquid-filled Beaker, and Stressed Plastic Material photographed with cross-polarized light.

The remainder of his display is titled Lattice Structures Photographed Through Apertures in Foil, and Bowl-feed Technique for Optical Polishing — a process developed at Mich. Lab. which produces very smooth optical surfaces.

Fettekether refers to the exhibit as "The Research Salon" or informally, "a series of color photographs dealing in research at Michelson Laboratories."

The pictures all deal with research in rather a broad sense, while others are quite specific on some project being worked on.

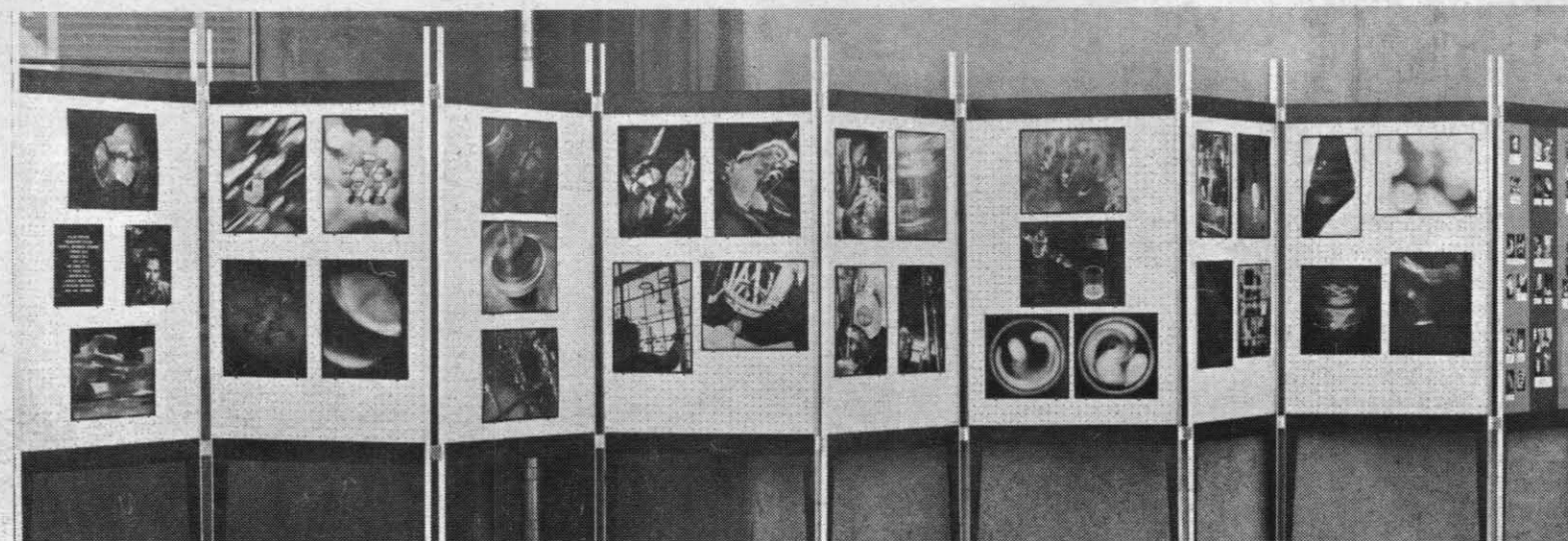
"They're all in color and in many cases the color is what carries the picture. It wouldn't be very much in black and white," Fettekether related.

Many of the photographs are abstract, some of them being completely abstract; others being what might be called semi-abstract, while still others being quite realistic.

Using his many years of photographic experience sprinkled with a few personal tricks, Fettekether described his steps in attacking his project. "In taking the pictures, there were certain things done such as unusual lighting; colors being introduced for strictly esthetic or artistic purpose. In other words, Fettekether continued, "basically, these are not pictures of people, specific projects or equipment, as such, rather the object was to portray something of the 'feel' of research at Michelson Laboratories."

Fettekether stated that another point might be the use of motion to provide a different sort of a picture of a sometimes mundane piece of equipment or operation.

It has taken Fettekether more than two years to realize the



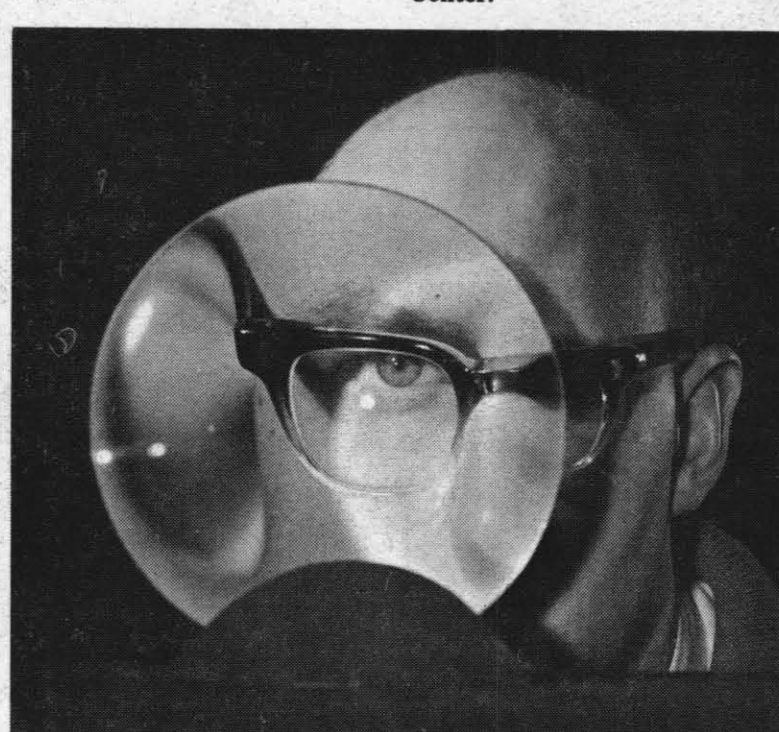
THE RESEARCH SALON — Referred to by photographer William Fettekether as "The Research Salon," this display reflects Michelson Laboratories scientists and technicians in various stages of work. Completed in vivid color and printed

on Ektacolor paper, the imaginative art display covers subject matter from fluid dynamics through acoustics research using laser beam; metal combustion investigation and stressed plastic material recorded by cross-polarized light.

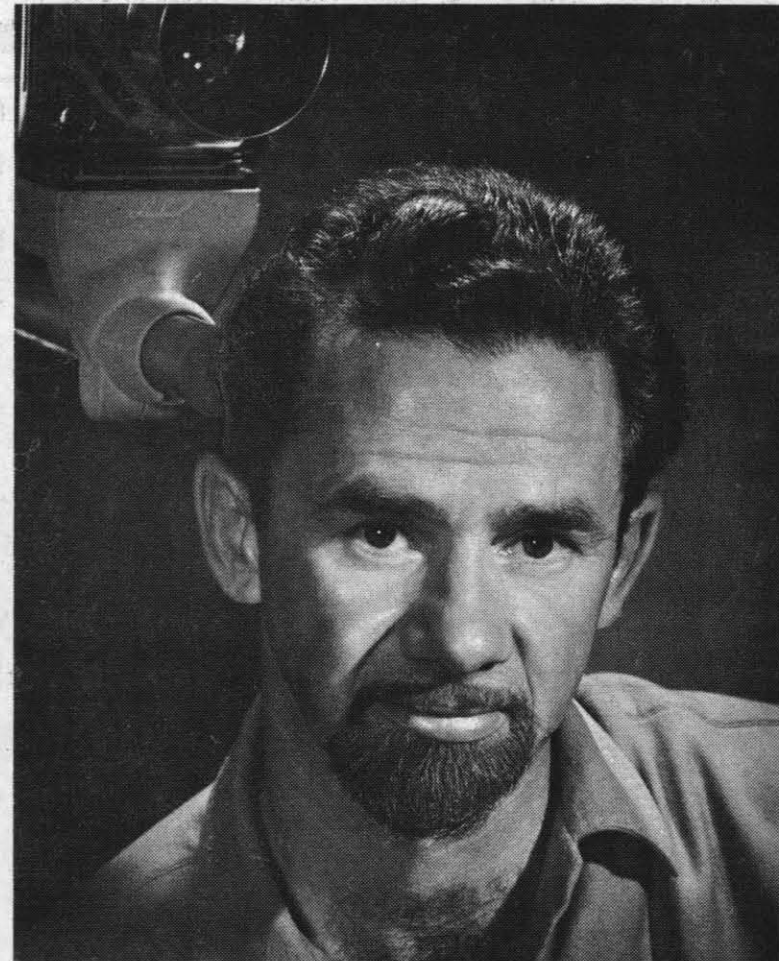
finality of his vivid imagination becoming a reality in the form of this presentation. Some of the pictures were taken in his photographic laboratory, while others were taken in various sections of the Michelson Laboratories or in the field such as the one taken of the telescope at midnight at Pinon Point located on NWC North Ranges. This particular picture was superimposed over another negative of the surface of the moon. Other techniques used include double printing where more than one negative is used to produce the final print; manipulation of the color — a drastic change of color which takes place in the laboratory—that is, addition or subtraction of color done in the laboratory rather than with the camera.

Taken with a 4 x 5 view camera and on Ektacolor negative film, the exposures ranged all the way from time exposures — in one case to several minutes — to extremely short exposures made with electronic flash.

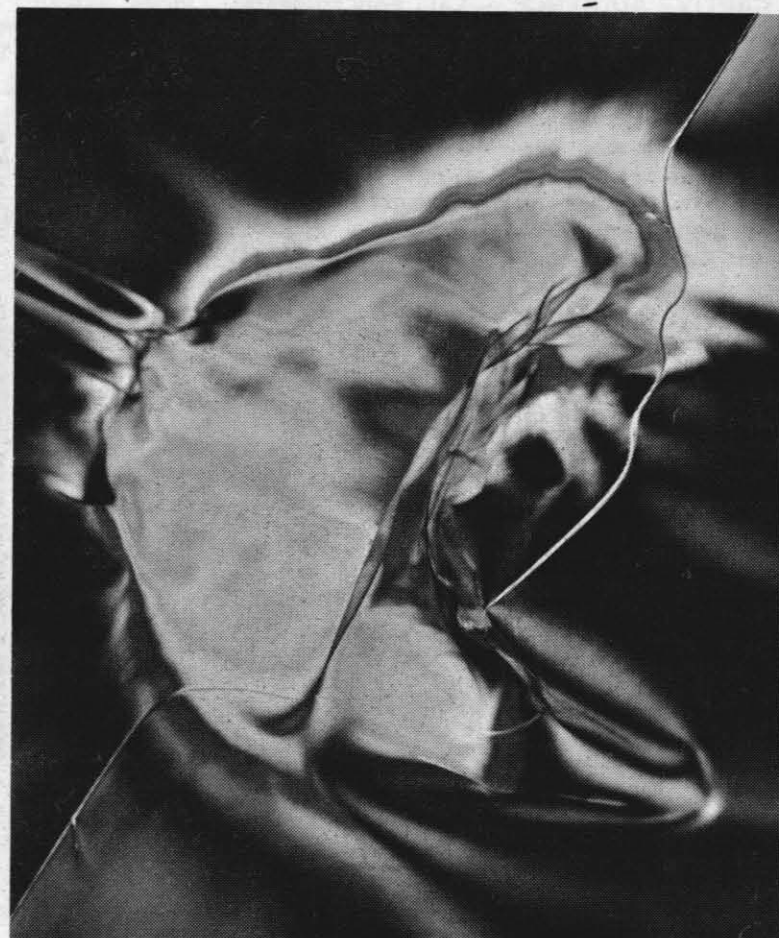
The printing on Ektacolor paper was accomplished by Fettekether with a rather simple, small printing arrangement — a far cry from what a color laboratory would use. Actually, it was an arrangement photo-hobby enthusiasts might install in their kitchen or bathroom.



SCIENTIST AT WORK — Photographer Fettekether's creative genius and trained photographic eye catches this scientist in a weird and strange pose. The color effects added to this creation produces an unusual result to the viewer. Twenty-nine color photos, each one different in subject content, have created one of the most original displays to be exhibited in Michelson Laboratories.



WILLIAM FETTKETHER



STRANGER IN THE NIGHT — A black and white photograph doesn't do Fettekether's art work justice since to realize the impact of this creation one must view it in its full color reproduction. This stranger is what Fettekether calls "Stressed Plastic Material Photographed with Cross-polarized light." All photos were taken at China Lake.

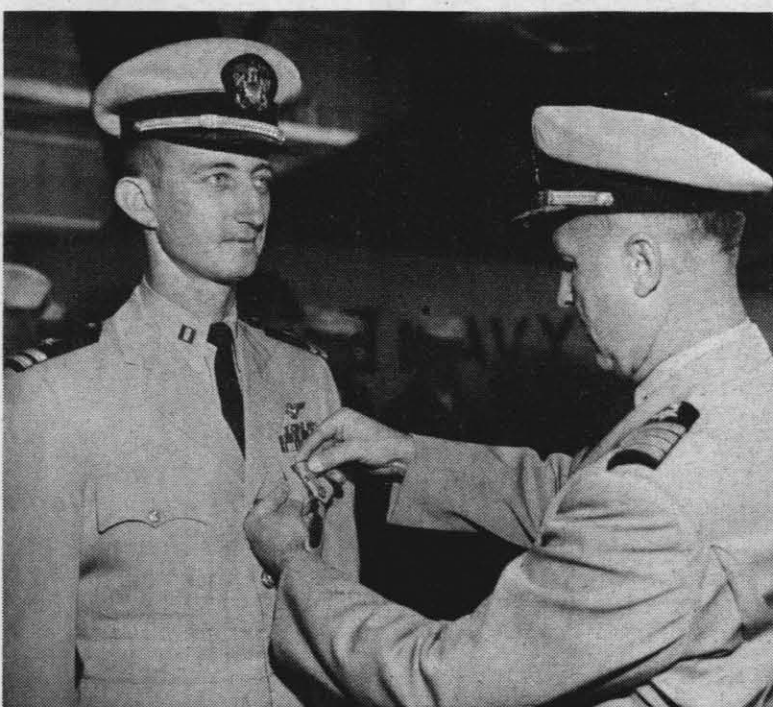


NAF NAVY WIVES ASSEMBLY — Naval Air Facility wives attend a question and answer panel discussion period held by Capt. R. F. Schall, Commanding Officer and other Center representatives in the Officers' Wardroom, Hangar 3. Approximately 36 Navy wives attended the "Navy Wives Assembly" and were informed of NAF and NWC services and facilities available for them in cases of emergency or at times when their Navy husbands are on sea duty. Primary purpose of the program, the

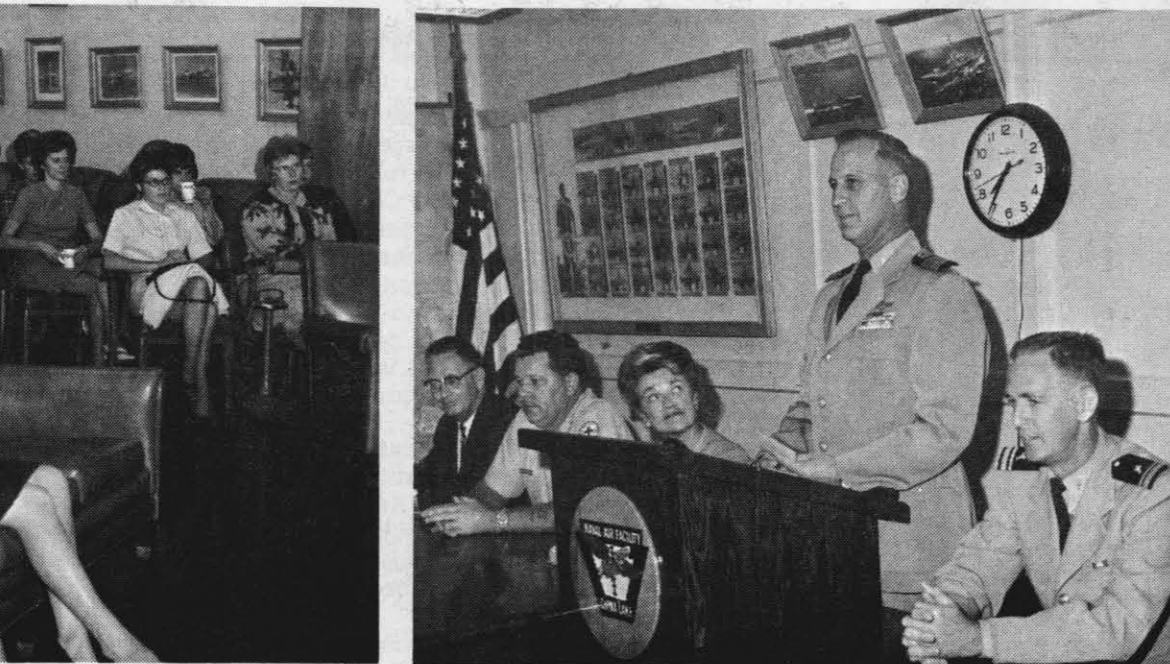
fourth one which has taken place since originated by Captain Schall last year, is to help the wives achieve a better understanding of the Navy and the important role their husbands play in supporting the mission of NAF. Members of the panel presenting informative briefings to the wives are, left to right, A. R. McCorkle, Executive Director, Desert Counseling Service; Stacey Wagner, American Red Cross; Mrs. Fred Chenault, representing the Red Cross; Captain Schall, and NAF Chaplain Irwin Thompson.



AWARDED VIET NAM MEDAL — LCdr. Harlan R. Pearl, (l), is presented the Viet Nam Gallantry Cross, for participating in combat missions over Viet Nam, by Capt. R. F. Schall, NAF Commanding Officer during formal award ceremonies. Commander Pearl commented that according to his knowledge, the Gallantry Cross is awarded to pilots who have flown in excess of 150 combat missions against the enemy. The Commander racked up a total of 181 missions during his tour in Viet Nam.



NAF OFFICER RECEIVES AWARD — Lt. James R. Andrews, (l), is presented the Viet Nam Gallantry Cross, for his participation in aerial flights over Viet Nam, by Capt. R. F. Schall, NAF Commanding Officer.



TOP LEVEL MEETING — Capt. M. R. Etheridge, (l), NWC Commander; Brig. Gen. John P. Appel, Commanding Officer, Desert Test Center, Fort Douglas, Utah; RAdm. Vince De Poix, Assistant Deputy Chief of Naval Operations, (Development), and H. G. Wilson, NWC Technical Director (Acting), meet in the Officers' Club for lunch and discuss the daily schedule for the visiting officers during their stay at Naval Weapons Center. General Appel received briefings

and presentations on the various scientific and technical projects presently being developed by NWC personnel during his two-day visit. Spending an afternoon and morning with NWC personnel, Adm. De Poix was interested in areas dealing with Close Support Bombing Mission; Walleye; Laser Target Designating System and other presentations. Adm. De Poix received a tour of various NWC facilities prior to his departure for Corona Laboratories.



NEW RATINGS FOR NAF MEN — Twenty-eight airmen assigned to Naval Air Facility commanded by Capt. R. F. Schall, recently received advancements in rates. Advanced in rating to ADJ-3 are, back row, left to right, David P. Delathouwer; Daniel L. Doonkeen; William E. Dubay; Russell R. Halgren; Thomas S. Rockler; Danny K. Smith; Ronald M. Smith; Michael N. Sneed; John F. Stalcup; Sherman J. Wiseman, and William D. Woaniak. Other ratings, front

row, left to right, are: AE-1 John T. Myers; AC-2 Danny L. Miller; AQF-2 Steven F. Imms; AME-3 Donald D. Cotreau; ADR-3 William H. Miller; ADR-3 Joseph R. Warren; AE-3 Anthony G. Colbert; AE-3 Donald L. Massey; AE-3 James J. Batson; ADJ-3 Emilio Caballero, and ADJ-3 Kenneth L. Danielson. Not present for the photograph were ADJ-3 W. E. Smith; ADJ-3 D. P. Laule; AE-3 M. R. James; ADJ-3 D. E. Noblin; AME-3 R. R. Deaton, and ATN-3 R. S. Dorn.

Methodist Church Held Dedication Service Sunday

The Ridgecrest Community Methodist Church held a service for Dedication of New Hymnals, Sunday, November 5, marking the installation of 150 new Methodist Hymnals. The first 100 volumes were a gift from the Russell Bjorklund Memorial Fund, the remaining 50 volumes were donated by members and friends of the church.

Flowers on the altar were placed by Mrs. Bjorklund, in memory of her late husband, Russ Bjorklund, who was Head of Central Staff at China Lake, was a stalwart supporter of the church, and highly regarded in the China Lake-Ridgecrest community.

The service was conducted by Rev. Everett Felder and visiting Rev. Irwin Trotter, Long Beach District Methodist Superintendent. The congregation joined the choir in singing 12 different hymns during the dedicatory services. This is the usage of three times the normal hymns sung in the usual Methodist services.

Rev. Trotter outlined the adaptation in the hymnal of music through the ages dating back into the earliest Hebrew usage of music with the Psalms, the Catholic church use of Gregorian chants, the Protestant church usage of hymnal adaptations from Scotch bagpipe, Beethoven, and American folk songs, and finally, the "old time" hymns that were written especially as hymns in the past 75 years.

Desert Concert Ready For Public

The date for the first fall concert of the Desert Community Orchestra according to Bill Ward, Association president, is Sunday, November 19, at 8 p.m. in the Center Theater.

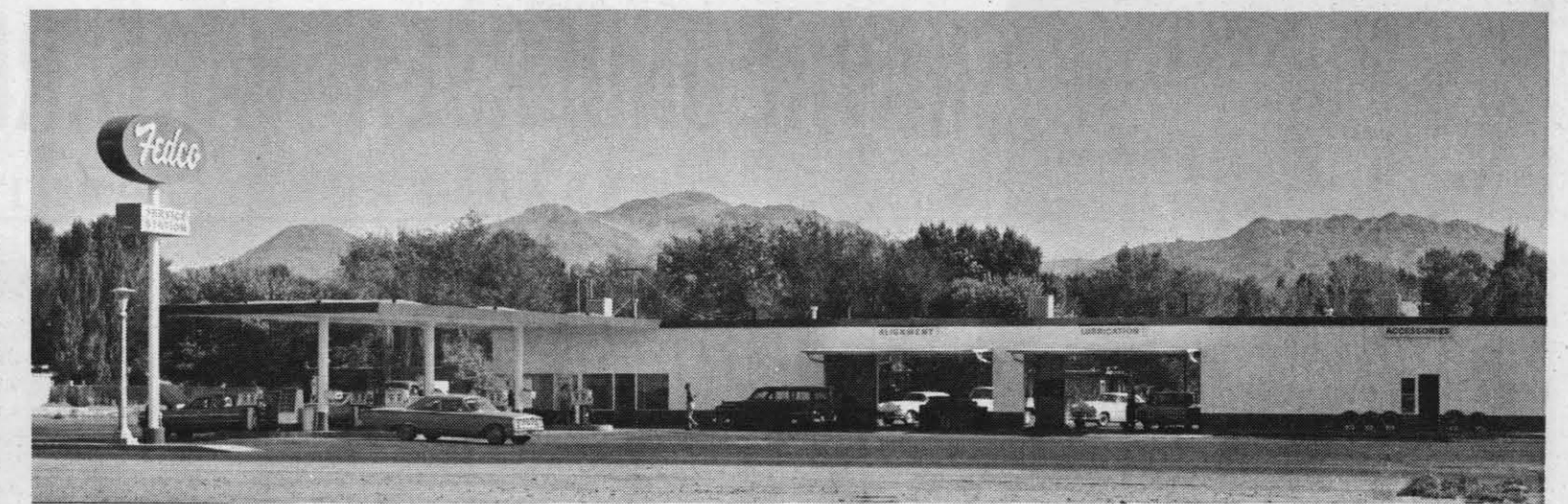
The Desert Community Orchestra is a non-profit, 40-piece symphony group comprised primarily of China Lake-Ridgecrest people. Students account for 25 per cent of the members; the balance are adults. Of this latter group, 20 per cent will be professional musicians imported to augment full instrumentation as needed.

The orchestra is incorporated, and is financed by public subscription. Admission to the three seasonal public concerts contribute to the general operating costs. The November 19 program is free to the public through the courtesy of an aid grant from the recording industries (Music Performance Trust Funds). This organization assists the Desert Community Orchestra by a sum equal to union pay of each musician playing in the concert. That musician, in turn, endorses his check over to the Orchestra Association.

The orchestra's cost of operation includes rent for the Center Theater, contract costs of the professional conductor, and payment for those professional musicians hired to augment the local people at concert time.

The public can participate with a single membership (\$5), or family membership (\$10), which provides concert admission for the season.

Grand Opening, Ribbon Cutting For FEDCO



NEW FEDCO STATION — The new FEDCO station, fully operational, costing \$100,000, is now ready to serve the em-

ployees of Naval Weapons Center. FEDCO station is located at Richmond and King Streets in the Center Shopping Area.

The new FEDCO Station will officially celebrate its opening with a ribbon cutting ceremony to take place at 11:45 a.m., Wednesday, November 15. The public is invited to attend.

Cutting of the ribbon will be done by a representative of the Commander of the Naval Weapons Center. In addition, those in attendance for the ribbon cutting will be: G. F. Von Muefling, Vice President and General Manager of FEDCO; A. C. Ballard, Mayor of San Bernardino, associated with the FEDCO Station; George Wood, General Manager of FEDCO Station; R. M. Glen, Chairman Employee Services Board, and Clarence Renne, Chairman Service Station Committee, Employee Services Board.

Many door prizes will be given away, the grand prize being a set of Goodyear Vita-cord white wall tires. Visitors should register for prizes at the accessory store during the four-day event.

A full range of automotive services will be offered by FEDCO, including Motor Tune-up, Muffler Service, Wheel Alignment, Shock Absorber service, Lubrication, Tires and Batteries, auto accessories, gasoline and oil — with six double gasoline pumps and 15 employees to serve the customer.

Open Conference On Employment Equality Planned

An open public meeting on the Center's progress in the field of equal employment and advancement procedures has been set for the Center Command and the Indian Wells Valley Branch of the National Association for the Advancement of Colored People for Wednesday at 8 p.m., November 15, in Room D (east) of the Community Center.

Capt. Robert Williamson II will head a three-man NWC panel at the meeting, with R. A. Harrison, head of Personnel Department and Harold F. Metcalf, head of the Center's Equal Employment Opportunity (EEO) committee. The panel is to examine opportunities for further progress in equal opportunities and review progress made over the past year, since the EEO committee's last inception.

Leaders and members of the local NAACP branch will be in attendance at the meeting, and a question period is to follow the Center panel's presentation.



FEDCO STORE WELL STOCKED — The FEDCO Accessory Store is well stocked with a complete line of automotive parts,

tires and batteries. Ribbon cutting ceremonies will be at 11:45 a.m., Wednesday, November 15. The public is invited to attend.



GENERAL MANAGER — George Wood, FEDCO Station General Manager, behind service desk in the Accessory Store. Mr. Wood has long experience in the service station business and is available to answer questions and provide for customers' needs.

Chaparral Club Children Party Draws Praise

Naval Weapons Center blue-jackets and their families of the Chaparral Club were lauded this week by the Indian Wells Valley Council for Retarded Children for a party given the children Saturday, October 28, in the 1st and 2nd Class Petty Officers' Club near Switzer Circle.

Movie cartoons, Skeeter the Space Clown, ice cream and cake at the Chaparral Club and a bus ride to NAF made up the party activities for more than 20 children.

"In our view it is particularly commendable when a group of military men, most of whom have families of their own and other demands on their limited spare time and resources, feel moved to provide such an event for the mentally retarded children of this area," said the past president of the IWV Council, Don Yockey.

Jerry Rafalski was the big hit of the day as Skeeter, the Space Clown, and was assisted at the party by "Hinkle and Twinkle" (Cindy Kahley and Linda Doughty) and "Granny Goose" (Georgia Christensen).

The Chaparral Club members' helping hand was praised in a letter received by the Center this week.

Over The Holiday

DRIVE SAFELY

We Want You Back At NWC



NAVAL UNDERSEA WARFARE CENTER

PASADENA, CALIFORNIA



LCDR. GEORGE VANCE, left, and Lt. Rodrick Edwards, both from the U.S. Coast Guard, with icebreaker hull model.

Icebreaking Tests Conducted At NUWC, San Diego Division

Within the building the thermometer hovered in the 80's, yet a group of men were donning heavy weather jackets and warm boots. In a few minutes they were working in surroundings where the temperature was 10 degrees below freezing.

This transition from tropical to frigid temperature is possible because of a unique research facility at NUWC - San Diego — the Arctic Submarine Experimental Pool.

These warmly-clothed men are from the Coast Guard Icebreaker Design Branch, Washington, D.C., and they were at the pool to conduct icebreaking tests on wooden model icebreakers.

"Our records from the data-gathering tests will help the Coast Guard's Icebreaker Design Branch develop experimental model - scaling techniques for testing changes in icebreaker hull forms and eventually arriving at the most efficient icebreaker hull form," LCDR. George Vance, USCG, explains.

During the testing, which began in March, scale models of USCGC Westwind, Glacier and two new icebreaker full forms of a new design were compared. NUWC - SD personnel also made concurrent tests during which the coefficient of restitution of fresh water ice was measured and compared with experimental data obtained in earlier studies.

The icebreaker models are propelled through ice of varying thicknesses at varying speeds and powers. The model performance will eventually be related with that of a full-sized icebreaker.

Interested observers during the testing were Dr. Otto Grim,

director of Institute Fur Schiffbau at University of Hamburg, Germany, and David Perry, assistant chief experimental engineer for British Hovercraft Corporation, Ltd., England.

A model of a Stampfanager (pitching plant), developed by Dr. Grim, was also tested on one of the models. "In Germany," Dr. Grim said, "full-size pitching engines or generators are used on 140 and 180-foot icebreakers to pitch the ship as it goes forward. This pitching keeps the ship moving and makes it possible for the ship to move forward through the ice."

Also obtaining data on ice characteristics during the Coast Guard tests were scientists and engineers from the U.S. Army Cold Regions Research and Engineering Laboratory, Hanover, N.H.

Present during the tests were LCDR. Vance, Lt. Rodrick Edwards, Chief Warrant Officer Owen Halstad and Chief Don Figgins, all from the Coast Guard; and Gunther Frankenstein from the Army's Cold Regions Research and Engineering Laboratory (CRREL).

The Arctic Submarine Experimental Pool is a central feature in support of field research at the Arctic Sciences Division at NUWC-SD. The pool is 75 feet long, 30 feet wide, and 16 feet deep and is located at the Arctic Submarine Research Laboratory (Battery Whistler), a former artillery site on Point Loma.

The refrigeration system can simulate winter or summer sea ice and weather conditions of the Arctic Ocean. Research conducted at the pool made possible the development of much of the equipment which proved its value in Polar submarine crossings.

PROMOTIONAL OPPORTUNITIES

To apply for positions, contact Christine Marchand, Pasadena Personnel Department, Extension 278. A current SF-58 must be submitted when applying.

Teletypist, GS-3 or 4, Command Administration Department, Communications and Security Division, Communications Branch, Code P7022 — Incumbent sends and receives, logs and routes classified and unclassified teletype messages. Keeps communication publications current. Typing skill and a strict regard for security procedures are prime requisites of the position. Position will be filled at the GS-3 or GS-4 level depending on the qualifications of the applicant.

Mail Clerk (Typing), GS-3, Command Administration Department, Administrative Services Division, Mail Branch, Code P7052 — Makes mail deliveries to various offices of the Foothill Laboratory. Receives, screens, sorts mail, and types route sheets and other forms and distributes directives.

Management Analyst, GS-5 or 7, Supply Department, Planning and Administrative Division, Procedures Analysis Branch, Code P8511 — Assist the Head of the Planning and Administrative Division in management studies, preparation of directives, space layouts and budget preparation for the Supply Department.

Electronic Technician, GS-12 or Engineering Technician, GS-12, Code P3022 — Responsible for the initiation of design improvements and modification programs to present in-fleet surface fire control system with emphasis on design formulation, ORBAL development supervision, and final ORBAL proofing. Will be responsible for maintaining a liaison with Fleet Support Groups in the area of surface fire control problems and methods of correction. Experience should include a background of at least five (5) years in the field of MK 111/MK-114 Fire Control support.

Electrical Engineering Technician or Engineering Technician, GS-12, Code P3023 — Assist in providing ASW system engineering support on new construction, conversion and in-service surface ships equipped with an ASROC weapon system. Emphasis on developing guidance diagrams of ASW system to insure that system will function and interface with all related equipment.

Procurement Assistant or Analyst, GS-5 or GS-7, Code 3008 NWC — Incumbent assumes all details and responsibilities of procurement required to support IR Suppression Program. Assignments given to the Technical Administrative Coordinator by the IRGM Group, Code 3008, of the Systems Development Department. These duties require detailed knowledge of procedures of Supply Department Procurement Staff and involve liaison between these personnel and the Technical Coordinator and the making of frequent direct contacts with code 3008 technical employees and various contractors. Incumbent will be expected to assume increasing responsibilities for detailed follow-through on recurring procurement procedures. This position has growth potential to GS-9 rating for qualified applicants. Incumbent will be attached to Code 3008, NWC, China Lake, California, with duty station at 2500 E. Foothill Blvd., Pasadena, California.

File application for above with Fawn Haycock, Bldg. 34, Rm. 34, Phone 71514.



SMALL BUSINESS COMMENDATION — A plaque presented by the Naval Supply Systems Command to the Naval Undersea Warfare Center for its Small Business Program, is admired by (l-r) Cdr. Creath B. Smiley, Director of Supply for NUWC, Pasadena; Virginia Banister, Small Business Specialist, and Capt. G. H. Lowe, Commander, NUWC.

Small Business Is Big Business

A plaque commending the Naval Undersea Warfare Center on an outstanding record in its Small Business Program was presented to the Center by the Naval Supply Systems Command. Receiving the plaque were Captain G. H. Lowe, Commander, NUWC; Cdr. Creath B. Smiley, Director of Supply for NUWC, Pasadena, and Virginia Banister, Small Business Specialist.

The Center surpassed its small business goal in Fiscal

Year 1967 with the award of 68.9 percent of the dollar value of its contracts to small business. The figure represents \$24 million spent in the area with small business firms. Center officials praised Mrs. Banister for her outstanding leadership and understanding of the Small Business Program.

The Small Business Program Performance Commendation was signed by Rear Admiral B. H. Bieri, Jr., SC, Commander, Naval Supply Systems Command.



THIRTY YEARS — Lloyd Hagnas is congratulated by Lt. R. N. McBride, NUWC, Pasadena, Public Works Officer, on completing 30 years of Federal Service. Presently an electrical planner and estimator in the Maintenance Control Division, Lloyd had been with NUWC for six years, the first three years duty at San Clemente Island. Other government service includes 15 years with the Bureau of Yards and Docks at Tongue Point, Astoria, Oregon, his home town. Including WWII duty, he served nine years with the U.S. Army. Lloyd resides in Monrovia.

Commendation Given For TRANSDEC Work

A letter of commendation recently received from R. B. McLaughlin, Capt. USN (Ret.), Lockheed Missiles and Space Company, praised work performed by two NUWC, San Diego Division personnel, John R. Roshon, Electronic Engineer, and Arthur V. Huntley, Electronic Technician, at the Division's TRANSDEC facility. The work involved the calibration of 54 sensitive hydrophones. "In my opinion," wrote Capt. McLaughlin, "the performance

of the TRANSDEC facility on this job was outstanding. The planned calibrations were not only accomplished with precision thoroughness, and a cooperative consideration of our requirements, but in about half the two days allotted for the job. This permitted additional, highly desirable calibrations to be made."

Capt. G. H. Lowe, Commander, NUWC, added his appreciation for their performance in a job "Well Done."

Commandant's Birthday Message



GEN. W. M. GREENE, COMMANDANT, USMC

General Wallace M. Greene Jr., Commandant of the Marine Corps, extends birthday greetings to all Marines in the following message: "As we near fulfillment of second century of service to our country and our Corps, United States Marines — past and present — can take prideful inventory of our Corps' accomplishments and its contributions to the development and welfare of the greatest nation on earth.

"The occasion of the 192nd birthday of the Marine Corps is a time for reflection on the past; to pay tribute to our predecessors who set the watch. It is also time to view the present and look into the future to assure that the watch remains eternal.

"Although fighting his country's battles is a Marine's profession, it is not his preoccupation. It is not for him to make war, but keep the peace. This Anniversary, however, finds Marines in fierce combat, as they have been on many anniversaries past. But it is my fervent hope and desire that all of us will be able to mark future observances in an environment of peace — and at home.

To those Marines now serving in Viet Nam, I send special greetings and personal wishes for Godspeed in the pursuit of their tasks. To all Marines and their loved ones — everywhere — I say thank you for making the past year in our Corps' history every bit as illustrious as those before."



REVIEWING THE LAW — Members of the NWC Security Police hear a review of developments in constitutional law by Ens. James E. Terrell, aide to NWC Commander, Capt. M. R. Etheridge. Attending the

sessions are (l-r) patrolman Oscar Paulson, detective C. A. L. Mitchell, Hulien Fragerman and patrolman Albert Raygor. Sessions are held periodically. Ens. Terrell received his Bachelor of Laws degree from Harvard.

Thompson Award, Honors, Earned By Two NWC Men

(Continued from Page 1) wife now make their home in Riverside.

DAVID N. LIVINGSTON

World War II service with the Marine Corps both interrupted and contributed to the career of David N. Livingston before he first began work at China Lake in 1948.

He received his B.A. degree in Physics from Pomona College in 1948, after learning and using Marine Corps training in electricity, radio and radar. His first work here, with the Aviation Ordnance Department was the design, installation and maintenance of instrumentation for the aircraft ranges.

Through the early 1950's, Livingston did much of his work in developing magnetic amplifiers. These amplifiers formed the basis for design of the phase balance computer, which in turn was the basic computing element of the computer Mk 86, Mod O. The aircraft fire control systems Mk 16, Mods 1 and 2, were designed around the Mk 86, Mod O computer.

From 1960 onward, David Livingston took on the responsibility for developing the Walleye weapon, and has been praised for his ability to anticipate project problems and act before they occur, and to work with other organizations to their benefit as well as to his own projects, as head of Missile Development Branch B,

Development Division No. 1 of AOD. He has received several top performance awards since then for his work with Walleye.

He continued his research and development work along the same general lines, and on August 14, 1963, was presented a personal letter of commendation from the Com-

mander, U.S. NOTS, conveying his appreciation for Livingston's "outstanding performance and assistance on project NOTS 1-63," which was the occasion for the visit of President John F. Kennedy here.

Livingston makes his home at 218 Shangrila Circle with his wife, Patricia, and their three sons and daughter.



ADVISORY BOARD VISITS — The Naval Weapons Center Advisory Board paid its second visit to China Lake last Thursday and Friday, since the recent reorganization. After reviewing progress made here on its recommendations of the May 4 and 5 meeting, the group was briefed on Center projects such as Walleye, Condor, Shrike, Standard ARM and the Electronic Warfare Facility over their two-day stay. Also, Capt. M. R. Etheridge, NWC Commander; H. G. Wilson, acting NWC Technical Director, and Dr. Gerald W. Johnson, Director of Navy Laboratories, addressed the members during

EDITORIAL

... For Their Sacrifice

SILENCE fell over the battlefield and the trenches for the first time in four bloody years. The date was Nov. 11, 1918, and World War I had ended.

Those who returned were given a hero's welcome. Those who did not return were honored on each anniversary of the fighting's end by a Nation "... filled with solemn pride in the heroism of those who died in the country's service..."

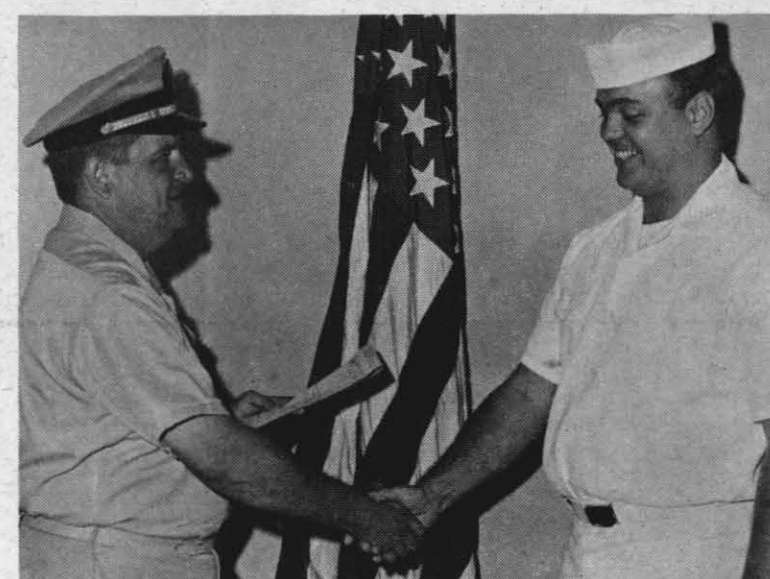
Peace and freedom are not easily maintained, though, for in the years that followed it became evident the forces of tyranny had not been vanquished. In other years and on other battlefields, Americans preserved their precious birthright of freedom with their courage and blood.

This year, as in many years past, American servicemen are fighting and dying on far-flung battlefields to help make the world safe for democracy.

On Veterans Day, Nov. 11, 1967, let us pay homage to the millions of Americans who have so steadfastly served the cause of freedom. Let us demonstrate our belief in, and support of, those who are now fighting the battle for freedom in the Republic of Vietnam.

The principles of freedom and human dignity for which they are fighting today are no different from those for which their fathers and grandfathers fought. They are basic conditions of our national life and our Nation's Armed Forces always stand ready to pay the cost in order that all Americans may enjoy the blessings of freedom.

Veterans Day is the time for young and old alike to honor our veterans—past and future—and pledge our full and unwavering dedication to the principles for which so many have sacrificed so much. (AFPS)



ANOTHER SIX COMING UP — BT-1 Alan R. Hultman is shipped over for another six years of Navy service by LCDR. F. H. Elliott, Commander, NWC Enlisted Personnel. Hultman arrived here from duty aboard the guided missile frigate USS Halsey last February, and works at the JOD desk in the Administration Building. He and his wife, Ruth, live with their daughter, Robin, 14, at 316 Cisco. The camping, boating and desert boondocking enthusiast is now studying for a chief's rating, and his wife is a fulltime student at Bakerville College Desert Division. Hultman has now accumulated 16 years of Navy service.

CHAPLAIN'S MESSAGE



One Talent Man

By Senior Chaplain Paul Romantum

The word "talent" originally meant a measure of weight, but later this word denoted a fixed amount of gold. In current usage, it is commonly understood to mean a special faculty or gift, an endowment or superior ability or quality.

Men and women differ widely in their talents. We possess great diversities of gifts but no one is without some talent. Some are creative and write prose and poetry, some compose or play musical instruments, some excel in the use of delicate instruments or specialized tools, some research, experiment or invent, while others carry out plans and do all sorts of tasks. Life in our world is much better because there are many interesting persons doing many different things in many different ways. Many use their talents to excel along some particular line while others excel in many fields.

In his Parable of the Talents, Jesus depicted persons of various capacities (Matthew 25:14-30). It isn't difficult to recognize the five - talent person who is gifted, well-educated, cultured and succeeds in all which he undertakes. The late Albert Schweitzer was a capable physician, a recognized theologian and a gifted musician. The two - talent man is less gifted but also occupies a position of influence. We recognize this person who gradually advances in a salaried position or succeeds in a small business. These people are the "salt of the earth" and are continually doubling their capacities.

The point of the story is the one-talent man. This is the person who belittles his one-talent ability and allows it to lie dormant and undeveloped. This life is humdrum, monotonous, unrewarding and wasted because of the attitude of self-pity, indifference, apathy and lack of enterprise. The world is full of those who are always blaming others for their failures.

All life is aglow with infinite possibilities. Very few persons realize their full potentialities and possibilities. Failure to develop and use the talent we have is what makes it useless. It is only as we use what we have and develop it that we make a valuable contribution to life for each of us has been endowed with gifts. We should not despair because we cannot do what others do so well. We and others will be rewarded and blessed in the measure that we appreciate, develop and use the gift we have. God expects and helps persons to be faithful and use that gift or gifts which have been entrusted to them.

STATION LIBRARY LISTS NEW BOOKS

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

Fiction

Beste—Repeat the Instructions.
Gilbert—Visitor.
Israel—The Hostages.
Norton—Star Guard.
Playboy—The Playboy Book of Horror and the Supernatural.
Wilder—The Sea and the Stars.

Non-Fiction

Casady—Beginning Bowling.

Dufresne—My Way Was North.
Edmonds—The Young Sportsman's Guide to Gymnastics and Tumbling.
Everett—Beginning Tennis.
Griffith—Peking and People's Wars.
Lass—The College Student's Handbook.
Liddell Hart—The Liddell Hart Memoirs; v. I: 1895-1938.
Liddell Hart—The Liddell Hart Memoirs; v. II: The Later Years.
Pourade—The Glory Years.

The Rocketeer

Official Weekly Publication
U.S. Naval Weapons Center
China Lake, California

Capt. M. R. Etheridge, USN
NWC Commander

V. J. Bibby
Public Affairs Officer

Joan Raber
News Bureau

Frederick L. Richards
Editor

Staff Writers
Will Shelly
John R. McCabe
Ed Ranck, Sports

Staff Photographers
PH1 Jerry Williams, PH1 Gary D. Bird,
PH2 Philip H. Beard, PH3 Jerry Willey.

DEADLINES:

News Stories—Tuesday, 4:30 p.m.
Photographs—Tuesday, 11:30 a.m.

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Phones—71354, 71655, 72082



DIVINE SERVICES

Christian Science (Chapel Annex)—
Morning Service—10 a.m.
Sunday School—10 a.m.

Protestant (All Faith Chapel)—
Morning Worship—8:15 and 11 a.m.
Sunday School—9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Center Restaurant.

Roman Catholic (All Faith Chapel)—
Holy Mass—7, 9:30 a.m., and 12:30 p.m. Sunday.

Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m.

Confessions—7 to 8:00 p.m. Saturday.

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

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

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

PROMOTIONAL OPPORTUNITIES

Present Center 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 these vacancies.

Electronics Technician, GS-9, 10 or 11, Code 3073 — Incumbent is assigned to an engineering group which performs electronic engineering, design, and development of data acquisition, timing, control and time-position systems applied to tests conducted on SNORT, B-4 and G-4 highspeed tracks. Works under supervision and technical direction of a senior engineer. Designs and develops electronic circuitry. Assembles, fabricates, evaluates, models, and calibrates electronic systems, equipments, and components. Excellent opportunity to gain experience with electronic data acquisition systems, principally landline and radio-link telemetry, and to develop competency in electronic instrumentation techniques and applications.

Secretary (DMT) or Typing, GS-5 or GS-4, PD No. 630004, Code 3008 — Position is that of secretary to the Chief, Infrared Countermeasures Group. Incumbent will provide secretarial services to the Group, handle details pertaining to the Group Heads' off - station contacts, and generally become directly involved in the work of the Group through close association with the day-to-day work activities of her supervisor.

File application for above with Fawn Haycock, Bldg. 34, Rm. 34, Phone 71514. Model Maker (Machining), JD No. 114-14, WB-14, Code 18 — This position is located in the Targets Department, Target Instrumentation & Evaluation Division, Naval Air Facility. Performs complex and non-routine work in the manufacture of prototype models, component parts, and assemblies of experimental and developmental devices and equipment. Jobs are typically one-of-a-kind, involving unusual trade problems and requiring a high degree of ingenuity and responsibility.

File applications with Mary Morrison, Bldg. 34, Rm. 32, Phone 72032. Clerk (Typing), GS-301-05, (1 Vacancy), Code 7313 — Duties consist of reception, typing, time cards, preparation of administrative reports and special projects.

File applications for the above with Carol Cadle, Bldg. 34, Rm. 28, Phone 71648. Physician, GS-11, Code 7311 — This position is that of an analyst in Branch B of the Weapons System Analysis Division, Weapons Development Department. The mission of the Branch is to conduct research and analytical investigations to determine the feasibility of proposed weapons systems, evaluate effectiveness of weapons systems in development to provide basic information for use in the tactical utilization of weapons systems, including target vulnerability studies and the execution of special assignments. Major responsibilities of this position are weapons effectiveness studies, including development of mathematical models and investigative and analytical techniques, as well as target vulnerability investigations.

Clerk-Typist, GS-3 or 4, (Part Time), Code 4032 — Performs clerical typist duties for Advanced Conventional Weapons Group, Weapons Development Department. Includes typing technical notes and reports, correspondence, forms, statistical tables and inter-office memoranda. Receives telephone and office calls; receives and distributes incoming mail; arranges for travel and maintains branch files.

Project Engineers, GS-9, 11 or 12, Code 4031 — These positions are in the Tactical Air Weapons Branch, for design, test and evaluation of Free Fall Cluster Bombs and components thereof. Duties include technical liaison with other naval stations engaged in component development and weapons system supporting functions and with contractors performing weapons development and manufacture. Must have degree.

File applications for above with June Chipp, Bldg. 34, Rm. 26, Phone 72676. Clerk-Steno, GS-4 or 5, Code 1704 — Responsible for transmitting incoming and outgoing messages from NWC China Lake and NWC Liaison Office in Washington. Duties include providing clerical support to secretary to Head, Central Staff, and Administrative Assistant, Code 171. Functions include typing of reports, memoranda, etc. Shorthand required. Extensive knowledge of NWC organization, functions, and positions. At least three years of general secretarial experience.

File application for above with Sue Praslowicz, Personnel, Bldg. 34, Rm. 6, Phone 71577.

Clerk-Typist GS-4, PD No. 655079 Aml, Code 5568 — This position is secretary to the Head, Fleet Service Branch, Fleet Engineering Division, Engineering Department. The incumbent types official letters, maintains files, receives incoming calls, prepares travel orders and makes travel arrangements, and performs miscellaneous duties such as timekeeping.

File application for above with Loretta Estep, Bldg. 34, Rm. 34, Phone 71514.

Supervisory Procurement Officer, GS-1102-13 or 14, (1 Vacancy) — This position will be located in Corona and will provide the full range of procurement services to China Lake and Corona. This position has \$25,000 procurement authority. The majority of the procurements are of an R & D nature and are of a complex and high quality. Applicants must have had three years of general experience which provided the applicant with a good understanding of procurement methods. Three years of specialized experience is required in the areas of contract planning, administration, and termination.

File applications for above with Vicki Mead, Bldg. 34, Rm. 28, Phone 72218.

'DESERT PHILOSOPHER'

Hunting On The Center

By "POP" LOFINCK



The first weekend hunting for game birds on the Center's North Range this season was on the whole quite successful. Saturday October 28, was a beautiful day. Sunday was rough. An "Arctic wind" blew hard so the chukars had to be roused out of the rocks that day. So it goes. You can't predict weather with accuracy.

Many hunters got their bag limit. Some hunters didn't get any birds — they were unlucky or lacked "know how." But they all got something; a rejuvenating contact with nature and scenery.

On the first weekend, 582 vehicles with 1628 occupants entered the area — 1521 of them hunters. The others just came in to camp overnight in the boondocks.

On the first weekend of the season, 761 chukars (red legged partridges) were shot — mostly on Saturday when the weather was perfect — and 548 mountain quail. Also 354 valley quail and 141 cottontail rabbits were taken. Many people like cottontail rabbits to eat better than chicken. Me too!

On the second weekend, November 4-5, although it was cloudy and overcast, the score was about half as many vehicles, occupants and hunters. But many of the 634 hunters did well, taking 687 chukars compared with 761 the weekend before. And fewer quail taken — 385 compared to 902 the previous weekend.

Chukars change their areas with changing weather and feed conditions. That makes chukar hunting more sporting. So if you were not so successful on the first two weekends, try again next weekend. You may have learned "know how" in the meantime.

Hunting has an ancient appeal because, for many centuries hunting was a way of survival. It might be again someday. Who knows?

Some people are against or adverse to hunting because they don't want to kill anything. But most of these same people are meat eaters. Seems inconsistent with facing the facts of life. The bird in the field has a sporting chance for its life, but the chicken that is pulled out of a poultry cage doesn't. Take a steer, for instance. We don't go hunting for the critter with a rifle, but he is prodded into a chute and knocked on the head with a sledge hammer which is the most humane way of killing the steer.

The deer has a sporting run for its life which seems more consistent with a philosophy of life. In a manner of speaking, hunting is like harvesting a crop which is in harmony with the balance of nature.

Many people call themselves vegetarians, consuming vegetables, fruits, milk, nuts, etc. Okay, that's their "way of life."

Some theorists point out that the steer eats grass and we eat the steer. So why not eat the grass and save the nutrition loss in raising the steer.

Well, if everybody thought alike, the world would be much less stimulating. Difference of opinion makes for progress.



CONGRATULATIONS, CAPTAIN — Newly promoted Capt. F. R. Walsh, Air Weapons and Plans and Operations Officer, receives congratulations from Capt. M. R. Etheridge, NWC Commander. He heard early word of his imminent promotion last August, five months after he was awarded the Navy's Legion of Merit for "exceptionally meritorious service" on the classified Project Popeye. Capt. Walsh, a fellow Mississippian with Capt. Etheridge, has served at China Lake since October, 1965. He reported here from duty with the staff of the Commander, Carrier Division Three. He holds two awards of the Air Medal for Korean War night attack flying and the Navy Commendation Medal for staff work with Task Force 77 in Viet Nam. He and his wife Priscilla and their three children live at 701 Ticonderoga.

THE LOCKER ROOM

License to Write

By ED RANCK



Last week the first call for entries in the 1967-68 China Lake Basketball League was sent out to all departments on the base. It is expected that the league will begin its official schedule around the end of the month, and carry through until the end of January. At this time it is uncertain just how many teams will enter the League, but at least three military and three civilian clubs are expected to join.

Aero Science, last year's champion, may enter again this season, but not with the same lineup that performed so well during the '66-'67 campaign. We understand that at least three of last year's starting five, including Tom Taylor, Ted Lane and Leon Allord have departed the area.

The Aero Science team, which also included Bill Allen and Gary Jacobs on the starting lineup, plus a strong bench, was perhaps one of the best intramural teams ever to compete at China Lake. Although they were not big, they had the speed and scoring ability to break a ball game open at anytime.

PRE-SEASON FAVORITES

The NAF Hawks, who gave Aero Science a strong argument before losing by 10 points in the championship game, will have the nucleus of last year's squad back for another try this year. Because of this they have to be considered the pre-season favorites for this season.

Since the end of last year's basketball season, the base gym has undergone an extensive facelift. A completely new floor has been installed and recently a new basketball scoreboard was added to the decor.

Taking a tip from professional sports, Athletic Director Ray Gier has decided to try his hand at the expansion game for this season. As we said before, there should be at least six teams enter the league, but Gier would like to see as many as 10 get into the act. The theory is that most departments have plenty of people who would like to play, but don't because they feel that they will spend all season sitting on the bench.

Should there be more entries, it is obvious that the overall abilities of some ball clubs will be slightly diluted, however maximum participation will be achieved. Although it sometimes seems that the only important thing is winning, full participation is the primary reason for intramural sports, so Gier's expansion plans might prove to be a good idea.

PUBLCITY FOR WHO?

In any newspaper, it is only fair that the winners get the majority of the space on the sports page. This is true particularly when the athletes involved are amateurs. When talking about amateurs, it is an axiom that if you can't say something good about a team, you say as little as possible. Therefore, when a team consistently underwhelms the opposition, they receive very little space in the post game writeup.

The writer of a sports column possesses what is known as literary license. Basically, what this means is that you say what you want to, sign your name to the copy, and when the libel suits come rolling in, the editors let you hire your own lawyers. One good thing about writing a column is the fact that it gives the author a chance to say some good things about the losers, and we would like to take the opportunity to do so a this time.

Those who follow sports here have probably taken notice to the fact that the NWC teams have been having a bit of trouble for the last few months. Although the players that have been on their softball and football teams haven't been that bad, the NWC squads have lacked the one or two good ball-players they may have needed to be a contender. The football season has been a disaster, the NWC team hasn't been in contention in any of their games so far.

DIRECT ACTION

In most cases, when an intramural team gets consistently clobbered, many of the players take direct action. They quit. The idea seems to be that when you quit playing for a loser, you have proven to the world that you are much too good to be playing ball with such a group of rinkydinks.

The NWC players haven't quit. They have, in fact, entered every game with the intention of winning, and have given 100 percent, despite the fact that many of their losses have been one-sided. It's easy to maintain your enthusiasm when you play for a winner, but when you are with a loser, it can be a very hard thing to do.

In this respect, the NWC football team, despite their poor season, has got to be considered as the class team of the year.

College Slates Panel Discussion

The Desert Division of Bakersfield College will present a panel discussion on the subject, "The Draft and Your Community," tomorrow night at 8 p.m. in the Burroughs High School multi-use room.

Panelists are Harry Jones, Chairman, Selective Service Board 77; SSgt. Donald M. Merritt, U.S. Army Recruiter from Lancaster; Mrs. Donald Perry,

BPW Civic Participation Chairman; C. J. Fallgatter, NWC Director of Housing; LCDR. John J. Farbarik, NWC Public Works Officer, and Reverend Nelson of the Seventh Day Adventist Church.

Raymond Marsh will moderate the evening's program and Dean Richard Jones of the college will speak on "Introduction Procedure."

Herbstreit Takes Single Honors In Kegler Battle

Jack Herbstreit rolled a 252 game to take high single honors at the China Lake Bowl last week. Jack also rolled single games of 207 and 152 for a 611 series, high for the Friday Mixed Foursome. Other Mixed Foursome highlights included Tom Zurn 227-583, and Virginia Owens with 204-494.

Boyd's Auto Parts, Woodward Cosmetics and Starlite all won three games Monday night in the red hot race for the lead in the Premier League. Maury Coleman paced the Starlite team with 213-203-223 for a high series of 639. George Bowles led Boyd's with 245-630. Ben Whiteside rolled 204-205-225 for a 634 series. Other individual Premier scores included Al Hebert 231-606, Bob Hooper 221-600 and Dean Ray with 222-600.

Jim Ball hit 222-149-232 for a 603 series to lead the Midway League, while Ben Whiteside rolled a 224. In the Thursday Trio, Sarah Lapinsky had high series with 480 and Sherry Ray rolled high game at 180. Ralph Pinto rolled high game in the Thursday Men's Handicap League with 222, and Bob Bryant had high series with 595. In the Women's Handicap League, Wilma Johnson hit a 191 to take single game honors while Lorraine Johnson had high series with 524.

Premier League Standings

	W	L
Tom's Place	15	12
Woodard Cosmetics	15	12
Mercury Movers	14	13
Boyd's Auto Parts	14	13
Starlite	13	14
Foremost	10	17

Pitcher's Clinic Set By Special Services For Last Week In Nov.

A softball pitcher's clinic under the sponsorship of Special Services is scheduled to get under way soon according to Athletic Director Ray Gier. The clinic will be held under the direction of some of the top pitchers now competing in the China Lake area.

The clinic will be open to all military and civilian members of the China Lake community and is scheduled to begin during the last week of November. All interested softball players are requested to contact Gier at Ext. 72017.

Boat Club News

The China Lake Boat Club will have as the final Boat of the Month display their entire armada available for viewing Saturday, November 18, 10 a.m. to 2 p.m., at the Arrowsmith parking lot on China Lake Blvd.

You can inspect vessels of various types, make, and sizes from sailboat and runabout, to cabin cruisers, including single engine and twin engines.

If you have a craft you are proud of and want to display it the club welcomes you. Boat, fish, and camping conversation is always in abundance at these shows, to include discussion on the latest lures, and equipment from hooks to campfires. For more information, phone 375-7687.



SAFETY LEADERS — At a recent NAF morning quarters, three Target Dept. men received their recognition for an outstanding record of safe work. From left are Harry L. Myers, Head of Instrumentation and Evaluation Division (eight years with no lost-time accident), Lloyd J. Holt of the Aero-Mechanical Branch (12 months with no lost-time accident) and Victor D. Bizon, Head of Avionics Branch (five years with no lost-time accident).

Nagy Discusses Meteors

Dr. Bartholomew S. Nagy, noted San Diego research biochemist, addressed members of China Lake's branch of the Research Society of America (R.E.S.A.) on carbonaceous meteorites at its fall meeting Wednesday, November 8.

Dr. Nagy is an Associate Research Geochemist at the University of California at San Diego and Scripps Oceanographic Institute, and is now collaborating with Research Department's Charles Drew on a search for evidence of extraterrestrial life in meteorite fragments studied under the department's Stereoscan electron microscope.

Dr. Nagy was born in Budapest, Hungary. He received his B.A. degree from Pozmany University, Hungary, his M.A. degree from Columbia University, and his Ph.D. from Pennsylvania State University. He

has also become a naturalized citizen of the United States.

Dr. Nagy's specialties are petroleum geochemistry, clay mineralogy, and X-ray crystallography.

Crabs Score 33-0 Win Over NWC In Nights Struggle

The Crabs scored a 33-0 win over NWC last Thursday evening at Schoeffel Field to strengthen their hold on second place. The win left the Crabs with a record of 4-2-1, one game behind the league leading VX-5 Vampires with two games to go.

	W	L	T	PTS.	PA
VX-5 Vampires	5	1	1	123	33
Crabs	4	2	1	123	65
NAF Hawks	4	3	0	133	53
NWC	0	6	0	4	239

Recreation Notes

The deadline for entries in the 1967-68 China Lake Basketball league will be 4:30 p.m. November 17. Departments interested in entering teams in the league are requested to contact Athletic Director Ray Gier at Ext. 72017.

The China Lake youth basketball program will get under way Saturday, November 18 at 8:30 a.m. in the Center gym. The first week's schedule will be open to all players in the 13-14 age group. On Saturday, November 25, the second phase of the program, for age groups 10-12, will begin at 11 a.m. All players interested are requested to contact Dick Wad-

man at Ext. 71334.

The Ladies Night physical fitness program is now being held at the Center gym on Monday evenings. The program gets under way at 6 p.m., and features a series of fitness exercises and athletics. All those interested in joining the program are requested to contact Gier at the gym.

The final games of the 1967-68 China Lake Flag Football League will be played next week at Schoeffel Field. On Tuesday, VX-5 meets NWC, while on Thursday evening, NAF will go against the Crabs in the final contest of the season. All games begin at 8 p.m.

TELEPHONE...72247

55 LAURITSEN

AMERICAN RED CROSS

HOURS
MONDAY WEDNESDAY, FRIDAY
12:00 TO 2:00 P.M.

AFTER HOURS—CALL OPERATOR

RED CROSS MOVES IN STYLE — Mrs. Robert B. Dillinger, co-chairman of the Indian Wells Valley Branch of the American Red Cross shows off the new address of the China Lake-based unit — and also the new volunteer's uniform now to be worn by ladies in all branches of Red Cross.