



GOES OUT AFTER TWENTY — CS1 Gene A. Hartman is congratulated on his recent transfer to the Fleet Reserve after 20 years of active duty by Lt. Samuel McMullen, Executive Officer, NOTS Enlisted Personnel. Hartman is a native of The Dalles, Oregon.

SHOWBOAT

FRIDAY FEBRUARY 24
"ROBIN AND THE SEVEN HOODS"
(123 Min.)
Frank Sinatra, Dean Martin, Bing Crosby
7:00 P.M.
(No synopsis available.)

SATURDAY FEBRUARY 25
—MATINEE—
"BILLY ROSE'S JUMBO" (124 Min.)
Doris Day, Jimmy Durante
1:00 P.M.
Short: "Canadian Mounted No. 11"
(13 Min.)

—EVENING—
"THE ART OF LOVE" (99 Min.)
James Garner, Elke Sommer, Dick Van Dyke
7:00 P.M.
(Comedy in Color) Disgusted artist, Dick, and his mooching roommate, Jim, decide to fake suicide so his paintings will sell. But the plan goes howlingly haywire as pretty Elke and Angie enter the story. Just plain kookie FUN! (Adult.)
Short: "A Nice Place to Visit" (9 Min.)

SUNDAY-MONDAY FEBRUARY 26-27
"KISS THE GIRLS AND MAKE THEM DIE"
(106 Min.)
Michael Connors, Dorothy Provine
7:00 P.M.
(Spy/Drama in Color) Humor-filled account of a CIA agent's attempt to corner a wealthy Rio De Janeiro industrialist who intends to defeat the U. S. with a sterile ray. See the frozen harem and the fabulous Rolls Royce, a spy's "dream car" (Adults, Youth and Mature Children.)
Short: "Fee Fie Foes" (7 Min.)

TUESDAY-WEDNESDAY FEB. 28-MAR. 1
"NOT WITH MY WIFE, YOU DON'T"
(119 Min.)
Tony Curtis, Virna Lisi
7:00 P.M.
(Comedy in Color) Lough away at the Air Force aide, who's sucking for promotion, meets a buddy he hasn't seen for 12 years, the one he "stole" a girlfriend from and married her! The anything-goes rivalry starts all over as the handsome and Tony's due to go to Copenhagen. Sexy Virna and frustrated Tony! (Adults and Mature Youth.)

THURSDAY-FRIDAY MARCH 2-3
"THE WRONG BOX" (105 Min.)
John Mills, Michael Caine
7:00 P.M.
(Comedy in Color) Two opposing nephews attempt to keep their uncle alive as they are the sole survivors of a to-the-last-man trust fund. But greed and villainy enter the film and the laughs break loose. Sellers in small role. (Adults, Youth and Mature Children.)
Short: "Smile-Pretty and Say Pink" (7 Min.)

It's Curtain Going Up On BHS Production



"CLOD! DEADWOOD!" — Blaine Davies as "Old Tony" (left) finds it doesn't pay to tangle with the overpowering Kyle Roberts (played by Kathy Denning) in a scene from the coming BHS comedy production "Curtain Going Up." Curtain goes up indeed at 7:30 tonight and tomorrow on the high school stage.

Members of the high school Drama Club are busy putting the finishing touches on their forthcoming comedy production, "Curtain Going Up," by Gregory Johnston.

The two big nights will be Friday and Saturday, February 24 and 25, at 7:30 in the Multi-Use Room. Tickets will be \$1 for students and adults. Alan Kubik, Drama Club sponsor, is directing the play, assisted by student directors Wendy Sorensen and James Nicholson.

The plot involves an energetic, tactful young teacher, Miss Irene Burgess, played by Mary Lou Licwinko, as she faces the problems of her first production at Riverview High School. She has a good sense of humor and is well liked by her students.

Lorry Fuller, played by Sandy Walsh, is the charming young heroine. She is popular with the teachers and students, but lately she has become stage-struck because of her leading part and interest in fellow actor Jocko Guthrie.

This new interest has bewildered Andy Fullbright, played by Pat Doucette, who is Lorry's boyfriend. Andy is outgoing, has a genuine charm, and is a good student, but it is apparent that his only interest in the play is Lorry.

Complications Arise To complicate matters, Nancy Leveridge, played by Susi Mayer, is extremely upset because she didn't receive the leading role. She has been labeled "most likely to succeed," but she is successful only because her father demands that she be. While her success gains respect from her classmates, it also makes her unpopular.

Jimmy Nicholson as Jocko Guthrie has a suave "actor of the world" attitude. While the girls find him charming, the guys snicker and make fun of him as "the boy with the biggest line." His main interest continues to switch from Lorry to Nancy.

Other characters, in the order of appearance, are as follows: Blaine Davis as Mr. Tony Peterson; Marnie Brady as Janet Young; Linda Hartzell as Elsie Hunter; Roy Ganaway as Buck O'Hara; Jimmy Cornish as Milt Sanders; Jan Hadden as Sylvia Moore; Smokey Robertson as Joan White; Mary Suddam as Miss Carolyn Moran; Mark Metcalf as Mr. Norman Carter; Miriam Kirk as Miss Henrietta Rivers; Kathy Denning as Kyle Roberts, and Wesley Willet as Mr. Richard Leveridge.

Pre-natal care and the care of the small infant will be taught. The class is of special interest to expectant parents and grandparents, although open to all, says Mrs. Joseph Stone, the instructor.

For further information, and to register, those interested should call Mrs. Stone at 73082.

From _____
TO _____
PLACE STAMP HERE

Captain Hardy Ends Career Of Outstanding Navy Duty

Case Institute Job Holds New Challenge

BY JOHN R. McCABE

The last of over 26 years of service with a growing and developing Navy—capped by leadership of its largest research and development facility will come to an end for Capt. John I. Hardy next Tuesday, February 28, in Change of Command ceremonies here.

Capt. G. H. Lowe, OinC of NOTS Pasadena, will take up the reins as Capt. Hardy retires. Although he is to retire from the Navy, Capt. Hardy will once again serve at the growing tip of a developing institution, when on March 20 he begins his new duties in the academic world. He will become assistant to the president of Case Institute of Technology, in Cleveland, Ohio. In this capacity he will be working for Dr. Robert W. Morse, President of Case. Dr. Morse was formerly Assistant Secretary of the Navy (Research and Development).

Capt. Hardy began both his professional and his academic careers when he entered the U.S. Naval Academy in 1936. Following his graduation in 1940 he served in many naval assignments while continuing to further his education. He was awarded a Master of Science degree in aeronautical engineering from the Massachusetts Institute of Technology in 1947, and also continued his professional climb in the Navy.

Moves to Scene of Action Capt. Hardy will shift his efforts next month to the scene of a major consolidation effort by two important Ohio Schools, Case, and Western Reserve University have petitioned for consolidation and if approved, is to be called Case-Western Reserve University. This federation would place them in the top 10 category of private schools in the nation. Capt. Hardy emphasized that his new position is with Case Institute of Technology, as the proposed federation has not been culminated as yet.

Originally named the Case School of Applied Science, the first classes were held in the Case homestead where Albert A. Michelson, Case's first Professor of Physics, conducted early experiments with the interferometer on the speed of light. Throughout the 1880's Dr. Michelson made a series of fundamental studies involving the speed of light in various media. In 1887 together with Edward Morley of Western Reserve, he conducted the famed Michelson-Morley experiment which disproved the existence of a suppositious ether through which the earth was supposed to move. This experiment, a landmark in modern physics, later became a foundation of Einstein's special Theory of Relativity, and led to Michelson winning the first Nobel Prize in the sciences awarded an American.

Academic observers in the Ohio press have traced the urge to consolidate, among leaders of Case Institute and Western Reserve, back to the 1920's. But it was only a decade ago that the first concrete steps to coordinate academic assets were taken. Case Institute, under Dr. Morse, and Western Reserve,

ROCKETEER FROM UNDER THE SEA TO THE STARS Vol. XXII, No. 8 Naval Ordnance Test Station, China Lake, California Fri., Feb. 24, 1967



under Dr. John S. Millis, began their present consolidation efforts in 1965. This came after a year's study by a special commission headed by Dr. Henry T. Heald, former president of the Ford Foundation. Previous steps had been taken in 1958, with the adoption of a common academic calendar and in 1960, when the Case astronomy and Western Reserve geology departments began serving both schools. Case focuses on engineering studies, with graduate and undergraduate students, whereas WRU includes professional schools of medicine, dentistry, law and nursing in addition to its graduate and undergraduate programs.

Capt. Hardy will help guide an expected long-range growth program starting from combined assets of 11,500 students, endowment book value of \$104 million, and a physical plant valued at \$92 million.

SCENE OF THE ACTION—Capt. John I. Hardy, after his retirement next week, February 28, will take up duties as assistant to the president of Case Institute of Technology, seen at left adjacent to Western Reserve University. The proposed federation of the two Cleveland, Ohio, institutions would include the University Circle campuses of both. The Case campus lies along East Blvd., Cleveland (top center). At left is part of Western Reserve and the Affiliated University hospitals. The combined institution would rank 10th among the nation's private universities.

New Siren Wails With Hi-Fi Effect

"Dragnet 1967 has come to China Lake, or at least the sound effect portion has," exclaims HM2 Roger G. Kennedy, the man in charge of the Station Hospital's ambulances.

He's talking about a new electronic siren recently installed on one of the Hospital's ambulances — a siren that summons images of Sgt. Joe Friday speeding to the scene of a malfeasance on the TV drama.

As far as the Station is concerned, however, the siren is a new one that will pierce the thickest air-conditioned car and may be a great boon to the safe passage of an emergency-bound ambulance.

An electronic siren is used as a background for the introduction to the Dragnet '67 program series, Kennedy notes for the benefit of non-viewers. "The sound is a little different," he says, "but the effect is much better. There have been some problems here at China Lake in the past, with drivers not being able to hear the sirens when their windows are closed and air conditioning and radios turned on."

The Station is keeping an ear on the new device to evaluate its effectiveness.

Writing Contest In Short Stories Set for Amateurs

The \$100 in cash awards may be the least important aspect of the Armed Forces Writers League's Amateur Short Story Contest. The most important award to many will be the professional evaluation and criticism which each entry will receive.

The contest, which is open to military personnel, dependents, civilian employees, veterans and others interested in the Armed Forces, is for unpublished stories of 1800 words or less on any subject and closes on April 1st.

There is a \$50 first prize and 25 other awards in addition to evaluation for sales potential and detailed criticism which each entry will receive. This contest is intended to encourage beginners and new talent. Professional fiction writers are barred from this particular competition. Contest chairman is Georgia Nicholas of New York, director of the League's literary marketing service. Entries will be judged anonymously by a group of professional writers and editors.

All entries must be submitted on an official entry form which can be obtained by writing to the Armed Forces Writers League, George Washington Station, Alexandria, Virginia 22305.

CROSSWORD PUZZLE

ACROSS

- 1-Cubic meter
- 6-Publish
- 11-Punctuation mark
- 13-Great outcry
- 14-Chaldean city
- 15-Burdensome
- 17-Trade union (abbr.)
- 18-A month (abbr.)
- 20-Halts
- 21-Girl's nickname
- 22-Portico
- 24-River island
- 25-Stone
- 26-Impose as a necessary accompaniment
- 28-Diminish
- 29-Labor
- 30-Rise and fall of ocean
- 31-Musical organization
- 32-Harbinger
- 34-Great Lake
- 35-Baker's product
- 36-Female ruffs
- 38-Metal fastener
- 39-Classifies
- 41-A state (abbr.)
- 42-Hypothetical force
- 43-Thoroughfare
- 45-Greek letter
- 46-Loss
- 48-Checked
- 50-Chemical compound
- 51-Lying face downward

DOWN

- 1-Potatoes (slang)
- 2-Cylindrical
- 3-Teutonic deity
- 4-Spanish for "river"
- 5-Vast ages
- 6-Addition sign
- 7-Ethiopian title
- 8-Prefix: not
- 9-Warning
- 10-Storage box
- 12-Minor item
- 13-Native Egyptian
- 16-Irritate
- 19-Hold
- 21-Patterned
- 23-Make amends
- 25-Warning device
- 27-Succor
- 28-Evergreen tree
- 30-Seesaw
- 31-Newly married women
- 32-Rent
- 33-Make deeper
- 34-Kind of lyric poem
- 35-Harbor
- 37-Skid
- 39-Heavenly body
- 40-Walk
- 43-Observe
- 44-Title of respect
- 47-Length measure (abbr.)
- 49-Negative

Answer to Previous Puzzle



For Use in Authorized Service Newspapers Only.

Chief's 12th Annual Military Ball



ARRIVING — Capt. and Mrs. Hardy join Chief and Mrs. Banker upon arrival at the military ball.



OFFICERS ATTEND—Even the top ranking officers enjoyed themselves during the evening as is evident in this picture. Army,

Navy, and Marines were well represented, all in formal attire. —All photos by PH1 Gary Bird



SMOOTH—As always, the tops in entertainment was provided for the event.



OFFICIAL OPENING — Capt. and Mrs. Hardy open the evening's festivities by leading the first dance.



WELL RECEIVED JOKE — Chief Bill Ascroft opens the affair with introductions and a timely joke.



RETIRED CHIEFS—A special salute was rendered the Club's retired chiefs during the evening's festivities.



MAKE APPEARANCE — Capt. and Mrs. Joseph Thimes enter with Chief and Mrs. Don Tucker.



ACTIVE DUTY CHIEFS—Assembled for special tribute are most of the Stations' top enlisted men.



NOT THE FIRST TIME—From the looks of this Chief's arm, this isn't his first Military Ball.



GOOD FOOD—Along with any enjoyable evening comes the good food. This one was certainly no exception.



PART OF THE CROWD—These are just a few of the many who enjoyed themselves during the festive affair.



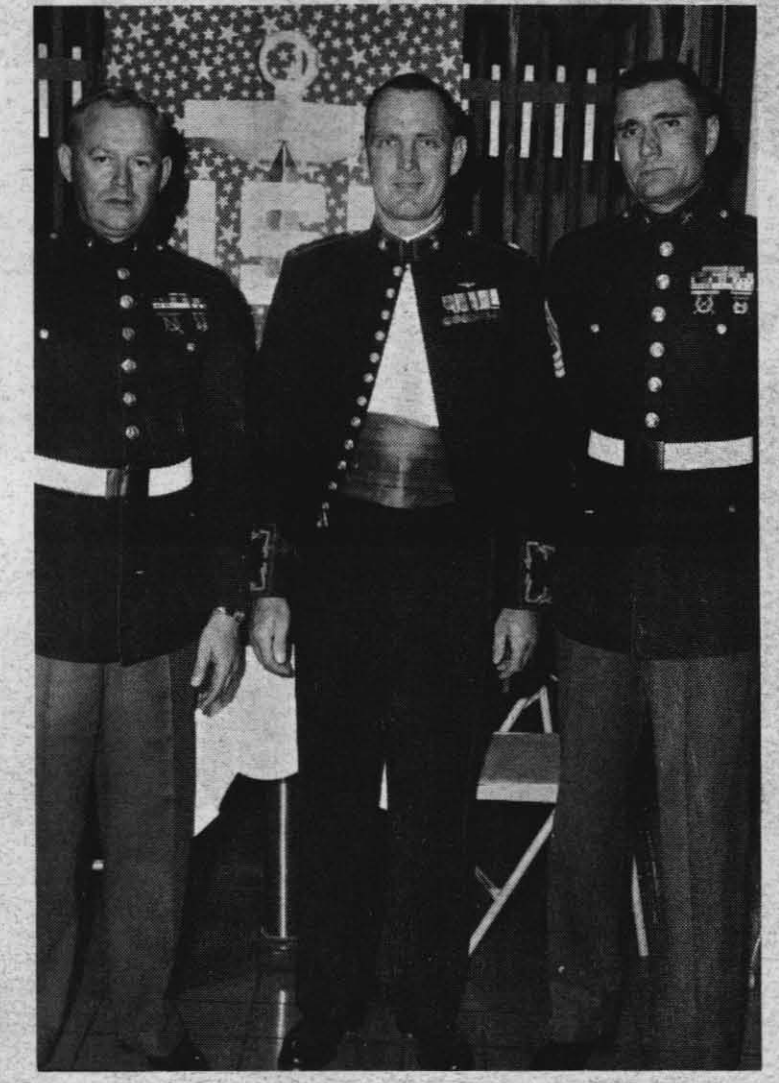
READY FOR FUN — Capt. and Mrs. Muncie, along with Master Chief and Mrs. Dunn, begin an evening of fun.



ANOTHER GUEST ARRIVES — Master Chief and Mrs. Staley bring Capt. and Mrs. Hartman as their guests.



CHURCH REPRESENTED — Chaplain and Mrs. Romantum pay their respects with Chief and Mrs. Mengers.



MARINES LANDED — Lt. Col. New is flanked by M/Sgt. Ken Ayers and M/Sgt. George Beatty as fun begins.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



CAPTAIN G. H. LOWE, Officer in Charge, NOTS Pasadena, chose, "The Role of NOTS In The Ocean," for his address to the Los Angeles Chapter of the National Security Industrial Association. Shown at the speaker's podium with Capt. Lowe are (l-r) Robert W. Fausel, First Vice President of the L. A. Chapter, NSIA; and Rear Admiral Robert

W. Berry, USN (Ret.), presently Pacific Coast Regional Director, NSIA. Following the luncheon at Eaton's Santa Anita Restaurant in Arcadia, the 80 members were hosted at the Annex by Capt. Lowe, and D. J. Wilcox, Head, Underwater Ordnance Department, where technical personnel briefed them on current programs.



JEROME D. MARTIN, Research Analyst attached to the Office of the Secretary of the Navy (r), is briefed on station research projects by W. E. Hicks, Associate Head, Underwater Ordnance Department, and Cdr. H. H. Schleunig, Jr., Technical Officer. Also renewing an old acquaintance, Martin and Cdr. Schleunig were associates in the pentagon from 1960-1962.

Welcome Aboard

New Employees
 Personnel—Meriam S. Freinkel, Clerk-Stenographer.
 UOD—Dr. Donald H. A. Hageman, Physicist; Kenneth C. Pietz, Mathematician; Charles H. McIntyre, Jr., Mechanical Engineering Technician.
 Supply — Venida B. Crawford, Procurement Clerk.



CEREMONIES held in Systems Operations Division recently honored four with 20-year federal service pins. Recipients are (l-r) George Beaucher, P80835; Raymond Dirksen, P80845. Dr. William Squire, P80891, and Vern Updegraff, P80837. —Photo by PH2 Ralph Robey

PROMOTIONAL OPPORTUNITIES

To apply for positions, contact Christine Marchand, Pasadena Personnel Division, Extension 278. A current SF-58 must be submitted when applying.
 Mechanical Engineer (Ordnance), GS-9 or 11, PD No. 24756, Code P5611 — Performs failure analysis of mechanical weapon components. Redesigns components and subjects them to required performance environmental testing. Prepares procurement documentation and follows designs through transition phase from development to production and fleet support.



FRANK MILLARD, P80845, receives congratulations and a lapel pin from Capt. G. H. Lowe, on reaching his 30-year milestone in federal service. Frank came to NOTS China Lake in 1950 and transferred to Pasadena in 1952, working at Morris Dam, Long Beach, then Foothill. Other service included 5 years with the U.S. Navy (1924-1929); and employment with the Naval Mine Depot, Yorktown, Va., Bellevue Naval Magazine, Anacosta, D.C.; Naval Ammunition Depots in Lu Lu Lai, Oahu, Hawaii and in Seal Beach, California. Frank and his wife, Betty reside in Monrovia.

BOWLING NEWS

BY RAY HANSON

Not only is the NOTS bowling league fit to be tied, it is! Milt's Marauders, the Quiet Five, and the El Toros are knotted up in a three-way standoff for first place, each having amassed a record of 47 wins, 37 losses. The Low Bowls occupy second place, with a 46.5-37.5 history. Mert's Marshmallows are third, at 46-38. The only sure thing about this league is that the standings will change not once but sev-

eral times by the time final position night rolls around. And the final melee is likely to decide the outcome.

High scores for the 21st week are as follows: team series, White Tornadoes, 2939; team game, Wild Five, 1042; men's series, Keith Wills, 681; men's game, Dick Batters, 234; women's series, Pat Preston, 652; women's game, Susan Winters, 258.



DISTINGUISHED VISITORS and NOTS personnel view a model of the SEALAB II and the LSMR, support ship for SEALAB III as they discuss NOTS participation in the Deep Submergence programs. Left to right, Dr. A. B. Powers, Dr. Richard Burington, Captain Richard Corkran, Jr., D. J. Wilcox, Head, Underwater Ordnance Department, NOTS Pasadena; Harold Nash, Captain F. J. Heiler; and Howard Talkington, Head, Advance Systems Branch, UOD, NOTS Pasadena.

dena. Dr. Burington is Chief Mathematician in Research and Technology of the Naval Air Systems Command; Capt. Corkran is Commanding Officer, and Dr. A. B. Powers, Technical Director of the U.S. Naval Fleet Missile Systems Analysis and Evaluation Group, Corona, California; Capt. Heiler is Officer in Charge, and Dr. A. B. Powers, Technical Director of the Naval Underwater Sound Laboratory, New London, Connecticut. —Photo by PH2 Ralph Robey

To Celebrate Anniversaries

this situation completely, since it has been officially designated as a period of commemoration. Each of these groups will celebrate an anniversary during the year, two of them next month.

The Seabees

The newest group of Navy builders, the SeaBees, will celebrate their 25th birthday on March 5. On that date in 1942, the Bureau of Navigation authorized the designation "SeaBees" and the now-famous Bee insignia for the Navy Construction Battalion, formed as the "Can Do" troops to build and

fight during the early, critical days of World War II.

The SeaBees became a legend while building some 400 advance bases from the Rhine River to Iwo Jima. In four years, their number increased from zero to 250,000 officers and men, 200,000 of whom were serving overseas in 1945. In the Korean War, the SeaBees once again well-served their country.

Today, in South Viet Nam, the SeaBees are performing a vital role, initially landing with assault Marines and performing such tasks as building "instant airfields." In the past

three years, 43 SeaBee teams, earning their reputation as "the Navy Peace Corps," have been conducting people-to-people programs in Thailand and South Viet Nam. These teams are welcomed by the villagers as teachers, helpers and friends.

In honor of these famous group's anniversaries, LCdr. Richard Malone, CEC, USNR, Commanding Officer of the local unit, Division 11-2, has announced a dinner and dancing party to be held on Saturday, March 4, at the Community Center. He further stated that all present and former CEC

and SeaBee personnel are invited.

Some of the highlights of the evening include Capt. Robert Williamson, II, Executive Officer, representing NOTS Command in the traditional cake cutting ceremony, Capt. H. J. Hartman, King SeaBee for the evening, highlighting the SeaBee history which will include Viet Nam action pictures, and Cdr. Jim McGlothlin as Master of Ceremonies.

Civil Engineer Corps
 On March 2, the Navy Civil Engineer Corps will be 100 years old. It was in 1867 that Congress passed an Act, which

provided that the Navy's Civil Engineers should be commissioned by the President, by and with the consent of the Senate. This legislation signalled the birth of the Navy Civil Engineer Corps. Prior to that time, Civil Engineers had been appointed by the Secretary of the Navy.

The ranking Civil Engineer Corps officer at NOTS is Captain H. J. Hartman. In addition to his duties as Resident Officer in Charge of Construction, Capt. Hartman also holds the responsible position of Public Works Officer.

Engineering Command
 The last of the building organizations to celebrate an anniversary is also the oldest. On August 31, the Naval Facilities Engineering Command will be 125 years old.

On that date in 1842, in the year that the Board of Navy Commissioners was replaced by the Bureau System, the Bureau of Yards and Docks was established.

It was charged with the responsibility for building and maintaining the Navy's Shore Establishment. Under a Navy reorganization move in 1966, the Bureau's name was changed to the present Naval Facilities Engineering Command.

Recognition Given
 A recent notice from the Department of the Navy stated in part that: In recognition of the outstanding manner in which these kindred organizations have met their shared challenges through the years, Calendar Year 1967 is hereby designated the official period for the 25th Anniversary of the SeaBees; 100th Anniversary of the Navy Civil Engineer Corps; and the 125th Anniversary of the Naval Facilities Engineering Command.



SEABEE TEAM — Corpsermen Daniel Buckley and Fred Nelson are engaged in repairing a village water pump after completion of their normal duties in Northern Thailand.

PRESENTS SEAL — DM2 Norman D. Vogt presents a seal that he created to Capt. H. J. Hartman and LCdr. Richard Malone. The seal will be used on various pamphlets and advertising material to be used by the local unit.



OFFERS INSTRUCTION — Part of the SeaBee's job in overseas locations is to instruct the indigenous so that they may be better

able to help themselves. If you have a few extra hours on your hands, why not join the local reserve unit? You'd enjoy it.

Seabees Join With Engineers



Seabees To Mark 25 Hard Years Of Shovels and Shot

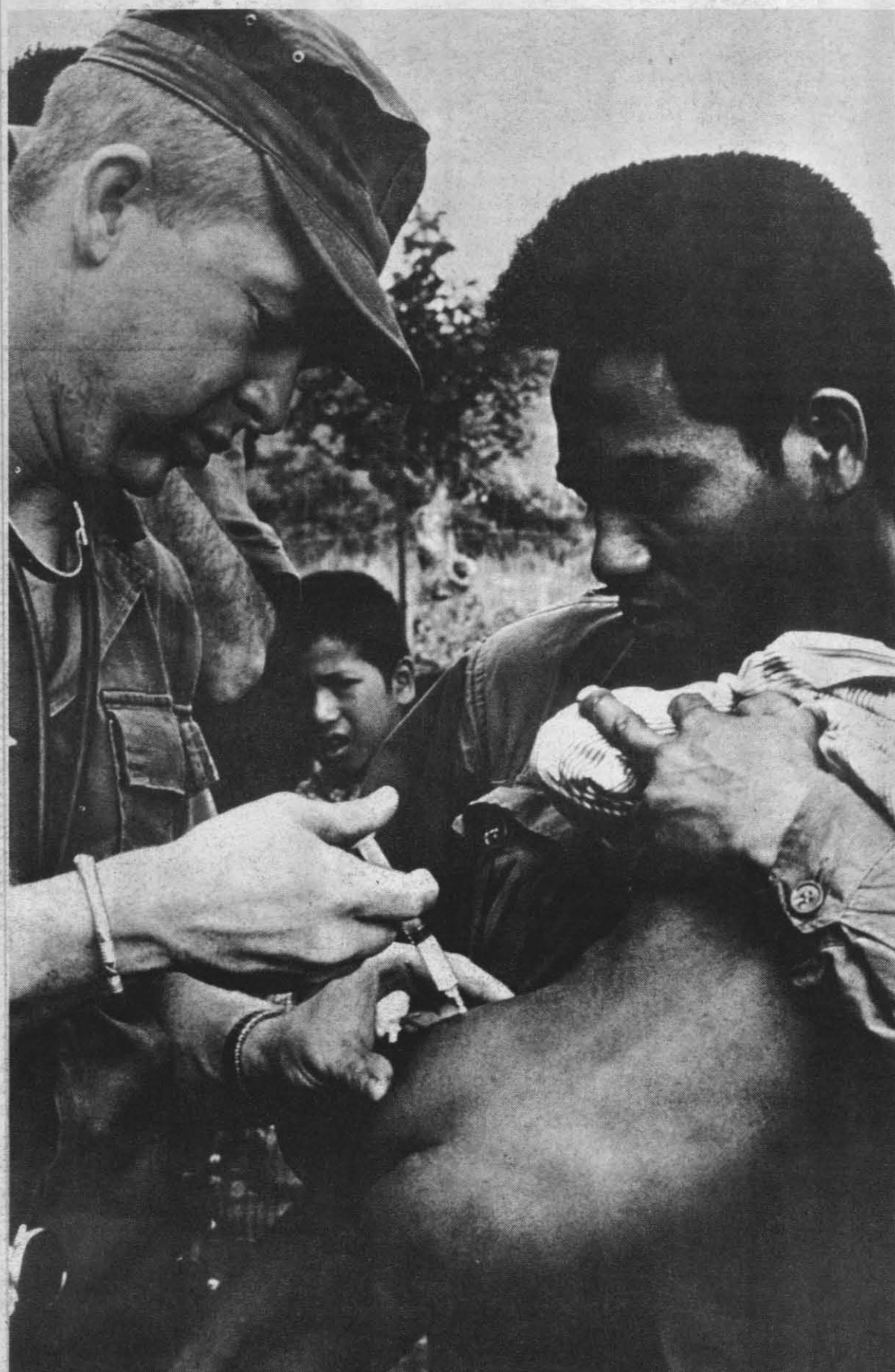
BY DAVID L. KIMSEY

Undoubtedly everyone has heard of the SeaBees, the Navy Civil Engineer Corps and the Naval Facilities Engineering Command. It is quite possible however, that the general public is lacking in a complete understanding of these three organizations.

The year 1967 should relieve

DIVISION 11-2 — Five officers and 50 enlisted men comprise the local Seabee Unit under the able command of LCdr. Richard Malone, who states that there are still some

billets available for skilled men of any age who wish to join the group. A few hours a week will bring extra pay and a lot of prestige.



OUCH DARN IT — Although it may sting for a while, the shot administered by the Seabee corpsman in Viet Nam to a young patient will undoubtedly insure that this youngster will have a better chance of

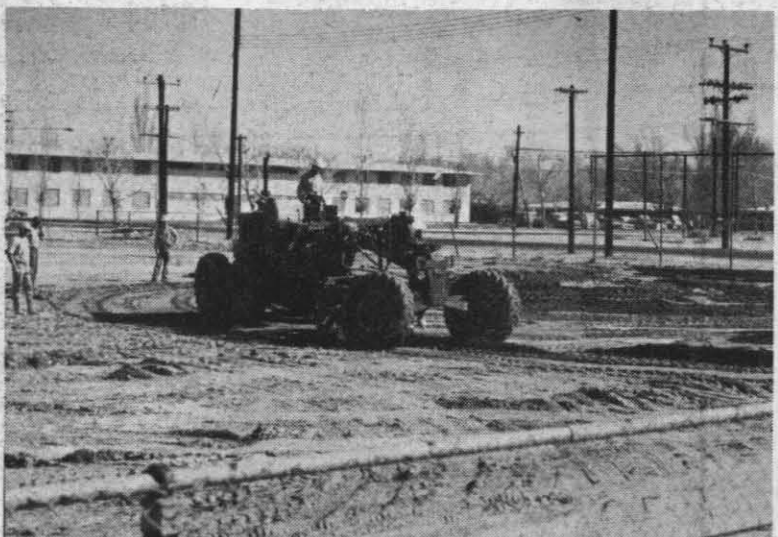
reaching the age of maturity. This is but one of many functions performed by the SeaBees in foreign lands, of which they are justly proud. You too could belong to this famous group.



STANDING TALL — One of the prime jobs of any SeaBee unit is construction, such as is shown here.



HIGHLY SKILLED — The skill and knowledge of the SeaBees is well known throughout the world.



EVEN IN SPORTS — These three pictures show local unit repairing Station baseball field.

Surplus Store Will Be Open To The Public

The Surplus Retail Store of the Supply Department will reopen on March 1, in the old Exchange Outdoor Shop.

The new store, which is an extension of the Property Disposal Branch, will be open daily, Monday through Friday from 11 a.m. until 1 p.m. and will be available to the general public including Station employees. Charles Ross is the manager.

Items to be offered for sale include hardware, office supplies, electrical and electronics parts as well as household furniture and appliances.

Of special interest will be surplus railroad ties in two grades, firewood grade and fence post grade.

Gordon Peacock, Property Disposal Officer, said that all prices will be based on the prevailing commercial prices on the local market.



DECORATED FOR COURAGE — Recipient of 17 medals for bravery in Viet Nam combat, Capt. James M. Kirwin, USAF, is decorated by Maj. Gen. Marvin C. Demler, Commander, Research and Technology Div., Bolling AFB, District of Columbia.

AF Liaison Capt. Kerwin Wins 17 Combat Medals

Capt. James M. Kirwin, who last month replaced Maj. Ronald E. Jensen as Chief of NOTS' Air Force Systems Command Scientific and Technical Liaison Office, has been awarded 17 decorations for bravery in Viet Nam combat recently.

Major Jensen is now assigned to George AFB for training, before going to Viet Nam for duty later this spring.

Capt. Kirwin was honored during a ceremony at Air Force Systems Command (AFSC), Andrews AFB, Md., for his exceptional gallantry and extraordinary achievements in battle from June 1966 to December 1966.

Capt. Kirwin was awarded the Silver Star, the Distinguished Flying Cross, the First Oak Leaf Cluster to the DFC, the

Air Medal, and 13 Oak Leaf Clusters to the Air Medal, by Major General Marvin C. Demler, Commander, Research & Technology Division, Bolling AFB, D.C.

Capt. Kirwin was assigned to Tan Son Nhut AB, Viet Nam, from June 1966 to December 1966. He won the Silver Star while flying his O1E over North Viet Nam on September 10, 1966.

Descending to tree-top level he drew attention from a downed American pilot. As he made repeated low level passes, he fired his M-16 rifle from the plane's window at the more than 150 enemy troops on the ground.

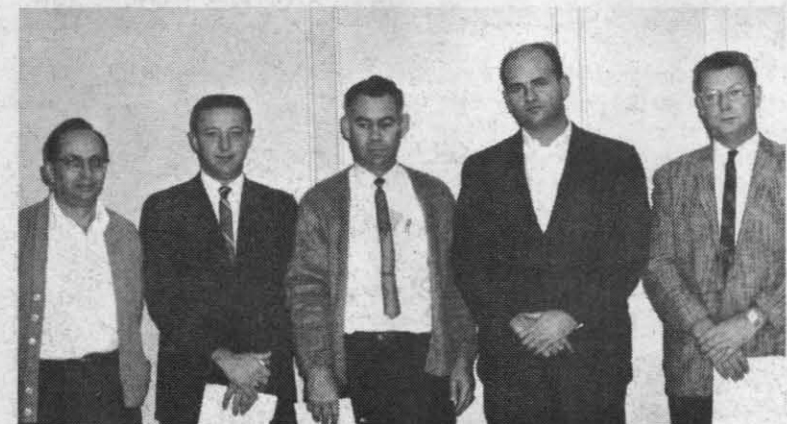
From July 20, 1966 to July 27, 1966, as a forward Air Controller over North Viet Nam and again flying his unarmed O1E airplane, he was instrumental in finding and destroying large amounts of stores and munitions destined for resupply of the 324th North Vietnamese Army Division heavily engaged by US Marines. By his actions he was awarded the Distinguished Flying Cross.

Three days later Capt. Kirwin added the First Oak Leaf Cluster to his DFC for successfully detecting and directing the destruction of an automatic weapons vital supply route.

Airmanship and Courage
Capt. Kirwin was awarded his first Air Medal in July 1966 when he participated in sustained aerial flight as a combat crew member. He added his 13 Oak Leaf Clusters to the Air Medal by distinguishing himself by exhibiting outstanding airmanship and courage in the accomplishments of missions under extremely hazardous conditions.

Capt. Kirwin is a native of Maysville, Ky., where his mother, Mrs. E. F. Brooks, still lives. He graduated from West Point in 1954 and holds MS degrees in Aeronautical and Mechanical Engineering from the University of Southern California. He came to NOTS from Da Nang AFB, Viet Nam.

The new arrival is married to the former Elizabeth Ann Kohler of Winstead, Minnesota. They have three children, James, 11, Michele, 10, and Thomas, 9. They live at 1814 Young Circle.



TOP PERFORMERS SCORE — Code 40 people recently recognized for their top flight work with awards presented by F. H. Knemeyer, head of Weapons Development Dept. are (l-r) Louis Alpert, Superior Achievement; G. O. Miller, Sustained Superior Performance; Denman Elliott, SSP; Milton J. Brown, SA; and William Arnell, SSP.



WIN EXTRA PAY — Quality Step Increase award to workers in Code 40 and its projects were presented recently to (l-r) John Sichra, Albert S. Gould, Ed Creer, Helen W. Randolph and Nick Kleinschmidt.

AA Terry DuFresne Is Feb. 'Plane Capt.'



AA TERRY A. DuFRESNE has been chosen Plane Captain of the Month for February, 1966, and brings a wide range of interests to the NAF honor role. Terry is a native of Bay City, Michigan, and makes his home here at 54-B Dewey with his wife Judy and their daughter, Kimberly Ann, 4 months. He entered the Navy two years ago and now works with F-8 aircraft at NAF. It was at Central High School in Bay City that he learned two of his present avocations — auto mechanics and agriculture (or "farming" as they call it back there.) Terry specializes in hothouse horticulture, but knows his stuff from cattle to wheat. His mechanic's skills keep him ready to go, on the road — and keep NAF pilots ready to go, on the job.



GIFT OF THANKS — Mrs. J. I. Hardy admires the silver tray presented to her by Mrs. N. C. New (r), president of WACOM, on behalf of the ladies of the Women's Auxiliary. Mrs. Hardy received the tray as a token of thanks at a farewell luncheon held last Tuesday at the Officers' Club. "Mrs. Hardy has given generously of her time, and will be greatly missed," Mrs. New commented.

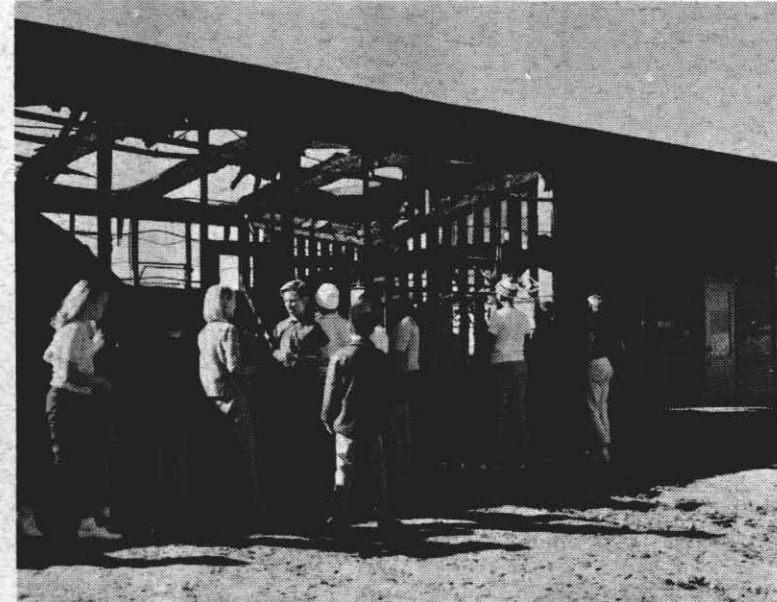
Vieweg School Badly Damaged By Huge Blaze Saturday

The dreaded and awesome sound of eight blasts of the fire horn was heard shortly before 2 a.m. last Saturday, recalling all off duty firemen to join those on duty in answer to a two-alarm fire at Vieweg Elementary School.

Approximately 35 NOTS firemen joined the Kern County Fire Dept. from Ridgecrest and a fire team from NAF to combat what was reported to be one of the worst fires in many years.

One whole wing of the school was affected including one classroom which was completely destroyed, and three other classrooms severely damaged. According to Grant Pinney, Assistant Superintendent of Schools for Business of the China Lake Elementary School District, the loss was in excess of \$65,000.

Investigations are being conducted at this time to determine the cause of the blaze.



Artist of History To Demonstrate For Art Group

The Desert Art League will hold its regular program meeting on Monday, February 27 at 8 p.m. at the Community Center. The featured speaker will be Jean Goldbrandsen of Victorville, historical artist. Mrs. Goldbrandsen will bring with her some of her historical paintings as well as give a painting demonstration.

The artist spends many hours of research and study in planning her paintings and then visits the site for authenticity. Among her paintings is one of Death Valley depicting the Ives Expedition of 1861 which used camels. Other paintings depict early watering places, Indian sites, and stage coach stops.

The program portion of the meeting will begin at 8:30 after a short business meeting.

Beat the Deadline

1966 Federal Income Tax returns must be received by the District Director, Internal Revenue Service by April 17. File early and beat the deadline.



Swingin' Fashions Ready for Show

READY TO SWING — Judy Ann Ascroft, Colin Ross and Lisa Kay Packard (l-r) offer a preview of fashions to be shown at the "Swingin' Spring" Fashion Show set for Sunday, March 5, in the Murray School Auditorium starting at 2:30 p.m. The event is presented by the CPO Wives' Club, and fashion coordinator is Mrs. M. H. Hetrick. Tickets will be available from Wives Club members and at the door. Donation is \$1.00, and door prizes will be awarded. Refreshments will be served.



Hospital Greets Admin. Officer

LT. GEORGE S. HARRIS has taken up his new duties as the Station Hospital's Administrative Officer, after serving eight months as the Patient Affairs Officer with the 1st Medical Btn., 1st Marine Div., Republic of Viet Nam. Lt. Harris is a native of Miami, Oklahoma, and graduated from Mira Costa College at Oceanside, Calif. He entered the Navy as a Seaman Recruit in 1951, and received his commission in 1959 through the Medical Service Corps program. He is also a graduate of the Naval Justice School. Lt. Harris' wide interests off-duty range from choral singing and guitar to hunting and fishing. He brings his wife Gayle and children Michael, 13; Shannon, 12; Tracey, 9; Kathleen, 6; Sean, 3; and Kyle, 2, to their new home at China Lake.

Bowlers Plan City Tourney During March

Valley bowlers have been invited by the Ridgecrest-China Lake Bowling Association to sign up for the annual City Tournament for 1967 starting Saturday, March 11.

Ridgecrest Lanes and the China Lake Bowl will share hosting honors again this year, with team events set for Ridgecrest Lanes on March 11 and 12, and singles and doubles at the China Lake Bowl on March 18 and 19.

The entry fee is \$4.50 per man per event and \$1.50 for All Events play, which is optional. Entry forms, available at either of the two bowls, should be filled in by the March 6 entry deadline—this Sunday—according to Duane Blue, secretary of the Association. Further information is available from Blue at ext. 9397 or at 375-4411.

If you're going on a vacation this month remember to leave sooner, drive slower, live longer.

Overheard: "Starting right now I'm going to live within my income even if I have to borrow money to do it."

Hiring Problems Are Outlined For Technical Writers-Editors

Problems encountered in hiring technical editors, technical writers, and illustrators for the eight Navy laboratories in California were outlined for members of the Sierra - Panamint Chapter of the Society of Technical Writers and Publishers by Cleland A. Weber at a meeting held at The Hideaway.

In addition, he told of the consolidation of 645 Civil Service Examining Boards into 65 Interagency Boards. The new nation-wide boards will be staffed and equipped to provide a complete one-stop information service.

Three problem areas encountered in hiring technical editors, technical writers, and illustrators were outlined by Weber, who is a personnel staffing specialist for the Professional Council for Federal Scientists and Engineers.

The Council, located in Pasadena, is a division of the Los Angeles Interagency Boards of Civil Service Examiners. It provides recruiting and examining services for professional personnel for the West Coast Navy laboratories.

Problems Outlined

Weber cited the non-availability of applicants as the number one problem in filling vacancies. Approximately 71 percent of the applicants decline for various reasons. They have already found jobs, or they have stipulated a certain salary, or they will only accept employment in certain areas. "After we have exhausted the most qualified three applicants at the top of the register, we must go down the register and come up with three more candidates. This is time consuming," he emphasized.

A register is no more than a series of cards filed by the score the applicant has made on an examination, he explained.

The second problem area, listed by Weber, was the failure to return vouchers either by the applicant's character reference or the applicant's former employer. This delays certification of an applicant, he pointed out. "Return vouchers immediately," he emphasized, "don't let them lie in your basket."

The inability of an applicant to furnish a sample of his work was cited as the third problem area by Weber. This may be due to the fact that an applicant may have worked only on classified material during his entire writing or editing career. "If you've ever worked on an unclassified report, be sure and save a sample of your work," he warned his audience.

Illustrator Problems

Touching briefly on the problems encountered in hiring illustrators, Weber stated that the field is so broad and varied that it constitutes a problem within itself. "We have the design illustrator and the technical illustrator, and also the related field of the visual information specialist series which includes the illustrator for printed material, presentations, and exhibits," he said.

If an agency needs an illustrator with a certain specialization, it should make that fact

known when requesting the Council to fill a vacancy, he noted.

Weber pointed out that the Designer Illustrator Council is drafting new rating standards for the illustrator series. Lynn Nowels, of the local STWP Chapter, is a member of the Council.

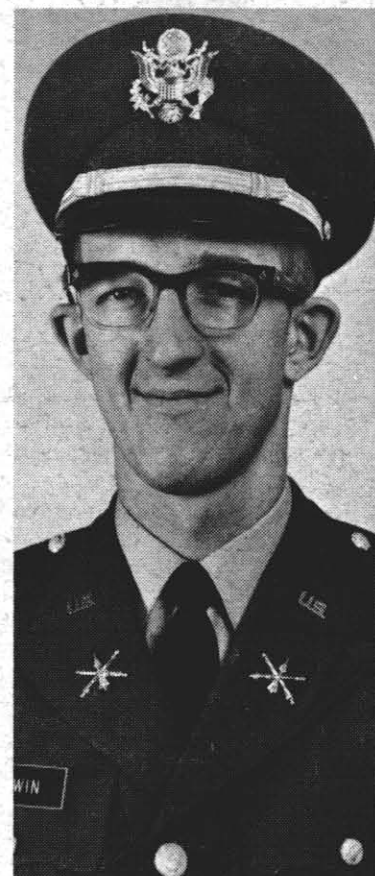
Standards Set

"I believe we now have excellent qualification standards for the technical editor-writer series. Your Chapter Chairman, Charles Van Hagan, was a member of the committee which helped our staff to establish these standards," he asserted.

Continuing, he elaborated on

the role of the new Interagency Boards. The boards are to be information points where applicants can find out about Federal Employment opportunities anywhere within the United States. "They will be equipped with computers which will 'kick out' in seconds the type of job vacancy, qualification requirements, salary scale, geographical locations, etc.," he said.

Weber cited the Interagency Boards will develop one national rating standard and one national examination for certain types of jobs. This would eliminate discrepancies which exist today in standards and examinations between agencies because of their geographical locations or other factors. Such standards and examinations would have to be broad in scope, he noted.



1/LT. WALTER E. GODWIN arrives at China Lake this month to pursue weather modification studies at Earth and Planetary Sciences Div., Code 50. Lt. Godwin comes from Hot Springs, Arkansas, and is to spend nine months here on an Army temporary duty assignment. He attended college in Arkansas, Mississippi and Oklahoma, and received his Ph.D. in physical chemistry from Oklahoma State University. He brings his wife Louise to their new home at 205-B Dobb.

Council Moves Ahead On Cycles, FM Radio

"A dynamic traffic safety program" aimed at improving the China Lake motorcycle scene was called for by a resolution of the China Lake Community Council, as they met last Tuesday, February 14, in a regular meeting at the Community Center.

The Councilmen stressed the need for education and training on the Station, and urged the use of approved safety helmets by all Station cyclists in its resolution.

Also: Committeemen, FM Radio

A Council program in progress received a boost over last weekend when word was received that its FM radio signal translator would be delivered to China Lake on Monday this week to be checked out and installed by the FM Task Committee.

The device, designed to bring an FM stereo multiplex signal from San Bernardino's station KDUO to the Indian Wells Valley, was returned to its manufacturer in New Jersey last year for adjustments.

The Council's Bill Hattabaugh will head the work to reinstall the translator on Laurel Mountain. The site has the approval of the U.S. Bureau of Land Management. Station KA2QN, as it will be called, has a Federal Communications Commission development permit through June 1, when the Council hopes to have a regular operating license.

The committees of the Community Council have begun their work on various aspects of Council business under their chairmen for 1967. The chairmen are O. A. "Gabe" Imer of Ways and Means, Russ Myers of Housing and Community Improvements, Gene Rosellini of Civic Affairs, Dick Hitt of Services, Dick Frederick of Area Development and Bill Hattabaugh of FM Task Committee.

Liaison people are Gabe Imer for the IWW Recreation

NOTS and Point Mugu Join In Microscopic Organism Study

A chemical engineer at the Naval Missile Center at Point Mugu has become nurse for a very demanding bunch of dinoflagellates.

The microscopic organisms, one of many that make up the familiar "red tides," will be used in Navy studies of bioluminescence.

Measure Fluorescence

The Navy plans to measure the fluorescence emitted by these and other marine organisms when they are agitated by wave action or the passage of a boat or swimmer.

Charles J. Crowell of the Center's Ocean Engineering Branch has the task of keeping the dinoflagellates alive and healthy while engineering equipment for the ocean experiments.

Crowell obtained three cultures of the organism from the Scripps Institution of Oceanography at La Jolla early this month. The dinoflagellates were transported in special temperature - controlled containers. They must be kept at a temperature ranging from 66 to 70 degrees. Higher or lower than that and the pro-

gram may suffer a setback due to the death of the subjects, Crowell reports. In addition, the illumination of the containers must be maintained at a level between 250 and 800 foot-candles.

Look Like Sand

Crowell's charges are of the special Gonyaulax polyedra. To the naked eye they look like inert grains of sand. "Nevertheless vigorous activity is visible under the microscope," Crowell says.

Cleaning of all the equipment used in the cultures is quite a chore. There are nine steps to the cleaning process and then everything has to be autoclaved to insure that it is sterile. Considering the difficulty of keeping them alive in captivity, Crowell considers it amazing that they have survived in the ocean.

The study of bioluminescence is a joint project of the Naval Missile Center and NOTS at China Lake. The Center will construct the equipment to be used in studies at sea. The actual bioluminescence studies, using ships of opportunity, will be carried out by scientists, under the direction of Dr. Giorgio Soli of NOTS.

Dr. Culler will describe and illustrate an on-line mathematical system which is specially designed for the construction and solution of problems in scientific computation. Interested persons are invited to attend this lecture.

RESOLVED, that we recommend this Resolution by published in the local papers.

RESOLVED, that we encourage the wearing of an approved safety helmet by all Station residents when operating or riding as a passenger on a motorcycle; and be it further

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Local Scouts Gather Honors At Ceremonies



FALL IN — Court of honor and annual uniform inspection was held recently during Boy Scout Week. Twenty-two Scouts were presented year pins signifying length

of service, and 15 received attendance pins. The affair was conducted by Assistant Scoutmaster James Fath. Troop 35 is among the top troops in the area.

A Boy Scout Week Court of Honor and annual Uniform Inspection was held by Troop 35 on Thursday, February 9, at Groves School Cafeteria. The Court was conducted by Assistant Scoutmaster James Fath, secretary of the Troop Committee.

Twenty-two Scouts were presented year pins to signify their length of service in Boy Scouts and 15 Scouts received attendance pins in recognition of their outstanding attendance at Troop functions.

The uniform inspection of the Troop was under the direc-

tion of Mr. Elden Oliver, neighborhood commissioner, assisted by Mr. Joseph Lechner, head of the sponsoring institution, the I.A.M. Desert Local 442, and several of the Scout fathers.

A Tenderfoot Investiture

Service for six new Scouts was conducted by Assistant Scoutmaster William Fitzgerrald assisted by Scribe Bill Shaniel and several other Scouts. The six new Scouts received into the Troop were Leroy Albers, Randy Brown, Fred Elliot, Richard Lans-

downe, Jay Mathes, and Pat Mitchell.

The rank of Second Class Scout was awarded to Bobby Francis by Assistant Scoutmaster John Wick. Merit badges for Marksmanship were presented to Reed Bowles and Phil Martin and for Cooking to Gerry Hillebrand and Reed Bowles.

The highlight of the evening was the presentation of the rank of Star Scout to Gerry Hillebrand, a Patrol Leader and Assistant Senior Patrol Leader by Assistant Scoutmaster Fath.

Computing System Lecture Planned On Next Thursday

Dr. Glen Culler, Professor of Electrical Engineering and Director of the Computer Center at UC Santa Barbara, will be at NOTS on Thursday, March 2, to present a lecture on On-Line Graphical Computing System. This lecture, which will be held at 9:30 a.m. at the Community Center, is the fifth of a series in the area of computer sciences being planned as a joint effort by the Office of Naval Research, the Naval Ordnance Systems Command, and the Naval Ordnance Test Station.

Dr. Culler will describe and illustrate an on-line mathematical system which is specially designed for the construction and solution of problems in scientific computation. Interested persons are invited to attend this lecture.

Saving Bonds Up By \$70 Million

Public holdings of Series E and H United States Savings Bonds gained by \$70 million during January, the Treasury Department has announced.

Cash sales totalled \$492 million in January, with redemptions at cost price at \$458 million, leaving a net increase at cost price of \$34 million.

In a longer term, cash value of Savings Bonds one year ago was at the \$49.3 billion level. At the end of January 1967 the cash value had risen to \$50.3 billion.

NOTS Fellowship Application Deadline Is April 1

NOTS China Lake and Pasadena employees are hereby reminded that applications for NOTS Fellowships to support advanced academic study during the 1967-68 academic year must be submitted by April 1, 1967.

Interested personnel should review NOTS Instruction 12410.5E dated March 15, 1966. Additional information and application forms may be obtained from the Education Director, Code 015, Ext. 72934.

Orchestra Group Plans Concert At Station Theatre

The Allegre, Finale, of Anton Dvorak's New World Symphony (No. 9 in E-Minor), and Johann Sebastian Bach's Concerto for Violin, Oboe and String Orchestra, are to be featured by the Desert Community Orchestra, Sunday, March 5.

The concert, starting at 8 p.m. in the NOTS Theatre, will also include La Folia, Variations on a Theme for Violin and Orchestra, by Corelli, and Hoe Down from Rodeo, by Aaron Copland.

The night concert, plus the establishment of a \$1.50 admission charge and 75 cents for students, are new policies this year. Tickets are available from Orchestra members

Welcome Aboard



LCDR. ALAN F. BROWN

LCDR. ALAN F. BROWN reports aboard NAF this month as transport pilot, from duty at VR-7 at Moffett Field. He's a native Californian from Richmond, and takes up residence in his new home at 203-B Wasp Circle with his wife Barbara and children Alan, 18, and Aileen, 16. The older daughter is Mrs. John Premeau, 19. LCDR. Brown attended St. Mary's College in Miraga Valley, Calif., and is a veteran of World War II, Korea and Viet Nam. He holds the Bronze Star among many other honors.

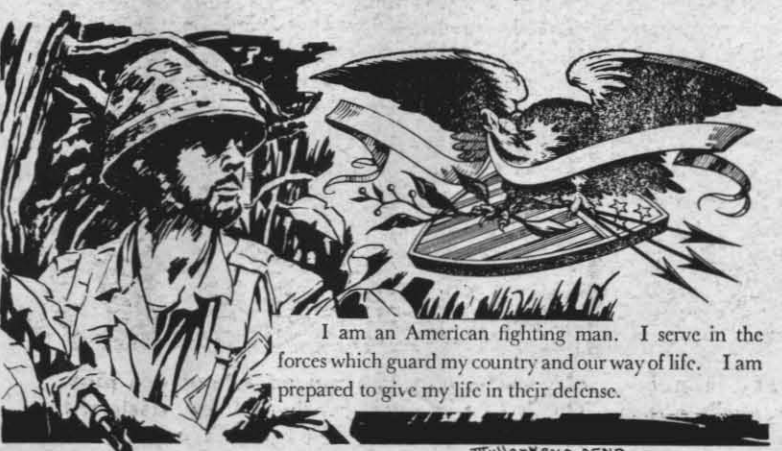
EDITORIAL

Added Armament

POSSESSING the most modern and efficient weapons and equipment known; superbly trained by skilled, dedicated leaders, the men of our Armed Forces today are better prepared to combat enemies of our way of life than ever before.

But weapons and training are not enough. Each fighting man must also be armed with determination, confidence and dedication. These additional factors guide and govern the behavior of the serviceman in combat. They are the foundation for the Code of Conduct of the U. S. fighting man.

The Code is a reflection of the lives, deeds and valor of Americans who have faced the horrors of war in every conflict in which this



I am an American fighting man. I serve in the forces which guard my country and our way of life. I am prepared to give my life in their defense.

Nation has been engaged.

The Code is built with individual faith in our Nation and upon each individual's knowledge of the fundamental precepts of our democratic system and institutions. It is held together with pride in service and respect for national, military and unit history and traditions.

Embracing all this is the determination to defeat our country's enemies no matter what hardships must be overcome; the confidence that we are morally right to succeed in our cause; and the dedication to pay whatever price necessary to safeguard our country.

These are the things that have, throughout our history, made our Armed Forces the finest in the world and have stirred our men, despite overwhelming odds, to defend a position or gain an objective; given them strength to survive the harsh treatment of POW camps with honor and dignity, care for their fellow prisoners and make miraculous escapes. They have faced death bravely and with honor, firm in the belief their cause is just.

Citizen-soldiers and professionals alike have given meaning to the words, "I am an American fighting man. I serve in the forces which guard my country and our way of life. I am prepared to give my life in their defense." (AFNB)

Film for Young At Museum

An educational film series for young members of the Maturation Museum will be shown at 6:30 p.m. on Friday nights instead of Saturday mornings, beginning today. The location, the Weapons Exhibit Center auditorium adjoining the museum, has not been changed.

This week's program consists of a natural history documentary "Secret Cargo," and the Walt Disney animated cartoon version of Serge Prokofiev's orchestral fable "Peter and the Wolf," narrated by Sterling Holloway.

Although selected with the school-age student members and children of family members in mind, these colored films have been fully enjoyed by the parents who escorted their youngsters, according to

Jim Baird, program chairman. Museum memberships will be available Friday night, entitling purchasers not only to view the movies, but also to attend the field trip Sunday.

Saturday Set For Registration Of Station Bicycles

For the convenience of the Station residents, the traffic section of the NOTS Security Department will be open all day Saturday, February 25.

This day has been set aside for the purpose of bicycle registration only. No other business will be conducted. There is no fee for bicycle registration.

The Rocketeer

Official Weekly Publication
 U. S. Naval Ordnance Test Station
 China Lake, California
 Capt. John I. Hardy, USN
 Station Commander
 "J." Bibby
 Public Affairs Officer
 Joan Raber
 News Bureau
 Frederick L. Richards
 Editor
 Staff Writers
 David L. Kinsey
 John R. McCabe
 Staff Photographers
 PH1 Jerry Williams, PH1 Gary D. Bird,
 PH3 Jerry Willey, SA Michael R. Reid,
 and PH2 Ralph Robey (Pasadena).
 DEADLINES:
 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 NavExOps P-35, revised July 1958. Office at 50 King St., Bldg. 00929, 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 Station 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.
 NOTS 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 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 these vacancies.

Engineering Technician or Physical Science Technician, GS-7 or 9, Code 4521 — Assist project chemists or engineers on a range of projects within the Solid Propellant Branch. Incumbent should have knowledge of algebra and geometry and should have mechanical aptitude. Experience and knowledge in the fields of chemistry, ordnance, and testing or evaluation would be an asset. First House. Promotion prerequisite would lead to incumbent having larger responsibilities for branch projects.

File applications with Evelyn Moors, Bldg. 34, Rm. 27, Phone 72723.
 Personnel Clerk (General) (Typing), GS-203-4 to 5, Code 656 — The incumbent processes the full range of personnel actions required in providing personnel services to two or more major organizational segments of this activity.

File applications for above position with Sherry Scheer, Bldg. 34, Rm. 26, Phone 71577.

Civil Engineering Technician, GS-802-5, 7 or 9, Code 3022 — Will be responsible for the planning and coordination of the field and office work involved in precise surveying. Develops methods and equipment for precise measurements for alignment of launchers and missiles or other measurements required for operation of the Systems Development Department ranges and range equipment.

File application for above with Fawn Haycock, Bldg. 34, Rm. 3, Phone 71514.
 Warehouseman, WB-05, \$2.89 to \$3.13 per hour, Code 259 — Performs a variety of tasks in connection with the physical receipt, storage or issue of supplies. Applicants must have had six months experience in warehousing.

Supply Clerk GS-3 or 4, Code 2575 — Responsible for accounting for unmatched documents by obtaining proof of receipt of material. Requires one year of clerical experience at the GS-3 level plus one year of supply clerical experience at the GS-4 level.

File applications for above with Naomi Campbell, Bldg. 34, Rm. 28, Phone 72718.
 Accounts Maintenance Clerk GS-4, PD No. 055072, Code 55402 — Located in Mechanical Division and associated with machine shop operations. Transfers labor charges from time distribution books to shop production order cost record sheets and time cards and maintains time cards. Compiles weekly, monthly and special reports on manpower distribution, labor charges, etc. Duties will also involve some filing and keypunching.

Mechanical Engineer (Instrumentation & Control) GS-9, PD No. 355048, and GS-11, PD No. 455029-1, Code 5524 — Incumbent will operate in the inertial systems section. Major duties include design and production (40 per cent), design engineering (20 per cent) design evaluation (20 per cent) and liaison (20 per cent). The work is primarily on the seeker section of the SW-1-C and Chaparral GCG Programs.

Mechanical Engineer (Instrumentation & Control) GS-12 PD No. 555061, Code 5524 — Position is that of Senior Project Engineer in the Inertial Systems Section, Engineering Physics Branch, Electromechanical Division, Engineering Dept. Duties involve production engineering, design, development, testing, evaluation, documentation, and production liaison with Defense Contract Administration Services Offices, manufacturers of mechanical and inertial components and systems, and prime contractors of the NASC. Major duties are Product Improvement (60 per cent), Problem Analysis (20 per cent) and Liaison (20 per cent).

Administrative Assistant PD No. 744004, Code 5520, GS-9 — Major duties include personnel and administration (50 per cent), planning (30 per cent), budget (20 per cent) and reporting (20 per cent). A major responsibility is to collect, analyze, organize, and present to the Program Managers information on task funding, expenditures, cost-effectiveness, etc. A BA in Business Administration, or the equivalent is required.

File application for above with Joan Cheever, Bldg. 34, Rm. 34, Phone 71514.
 Physical Science Technician, GS-5, Code 3565, PD No. 635067 — Located in the Analysis Branch of the Aircraft Projects Division. The purpose of the position is to (1) Prepare program decks for electronic data processing equipment, (2) Extract micrographs from printed tables and, (3) Compute and plot solution of ballistic equations for various parameters. The incumbent should have a working knowledge of card punch procedures and operations (see 209) and must have completed High School mathematics which included Trigonometry.

File application for above with Mary Morrison, Rm. 32, Bldg. 34, Phone 72032.
 Test Mechanic (Experimental Electrical Equip.) WB-2080-12, \$3.65, \$3.80, \$3.95 per hour, JD 137-5, Code 4564 — Designs and fabricates experimental electronic test equipment, utilizing such equipment as cathode ray oscilloscopes, amplifiers, oscillators, voltmeters, tape recorders, etc., to assist evaluation of explosive ordnance.

Clerk (Typing), GS-4, Code 4582 — Secretary to Head, Engineering Applications Branch. Report and letter typing, including preparation of copy for offset reproduction. Preparation of travel orders, purchase requests, time cards. Maintains office files. Provides secretarial services to Branch personnel.

Model Maker (Machining) JD No. 114-4, WB-34003-14, 3.77, 3.93, 4.09 per hour, JD-114-4, Code 4553 — The incumbent in close coordination with engineers, scientists and supervisors, machines and assembles parts or hardware of experimental, prototype and developmental ordnance equipment such as rockets, guided missiles, projectiles and guidance systems; also machines and fits parts for specialized explosives and propellants processing mixers, kettles, stokers, dies and fixtures; cameras, camera lens systems and mountings. Fabricates developmental models and parts thereof and devices for test and evaluation of the above equipment.

General Engineer or Physicist, GS-11, 12, 13, PD No. 445106 — Program Management and Integration Group, Code 4503. Engineer or Physicist with outstanding potential for program management desired to function as program manager for weapon system such as BOMROC, FAX, CHAFFROC, RAP.

File applications for above with Evelyn Moors, Bldg. 34, Rm. 27, Phone 72723.
 Helper (Various Options), WB-5, Code 70 — The Public Works Department has current or anticipates future Helper vacancies in the following trades: Electrician, Machinist, Plumber, Pipecoverer and Insulator, Plasterer, Painter, Rigger, Sewage Disposal Plant Operator, Sheetmetal Worker, Structural Iron Worker, Tile and Plate Setter, Heavy Duty Equipment Mechanic, Automotive Mechanic, Helper General, Woodworker, and Refrigeration and Air Conditioning Mechanic. All interested non-temporary employees are invited to apply. A Helper examination will be scheduled for employees who have not taken the examination and for employees who have taken the examination previously but did not obtain passing scores. Non-competitive selections for Helper vacancies will be made from the list of eligible applicants resulting from this ad through June 2, 1967.
 File applications with Dora Childers, Rm. 32, Code 657, Phone 71393.

CHAPLAIN'S MESSAGE



The Lives About Us

By Senior Chaplain Paul Romantum

Jesus said, "You are the salt of the earth;" (Matthew 5:13). One of the important characteristics of salt is that it permeates everything it touches. Put it into a glass of water and all the water will be salty. So it should be with the Christian life. Christians must permeate life all about them, church life, business life, service life, political life, social life and every part of life.

In one way or another our personal lives permeate other lives about us. Christians whose religion is a part time affair for one hour on Sunday morning will influence others to think the same way.

Christians who pray on Sunday and prey on their neighbors for the rest of the week will produce a negative reaction on lives they touch — families, friends or casual acquaintances.

Each generation of Christians is confronted by these words of our living Christ, "You are the salt of the earth; but if the salt has lost its taste, how shall its saltiness be restored? It is no longer good for anything except to be thrown out and trodden under foot by men."

The good qualities of the Christian life such as kindness, love, joy, goodness, faithfulness, gentleness and self control cannot help but permeate lives about us toward the same goals of a healthy and vital faith.

Benny Suggs Bring Cash



FOR GOOD IDEAS — Capt. P. W. Jeffrey, Director of Supply, presents \$20 checks and Benny Sugg awards to (l-r) Mrs. George Halsey and Debera Oliver for suggestions on office improvements.

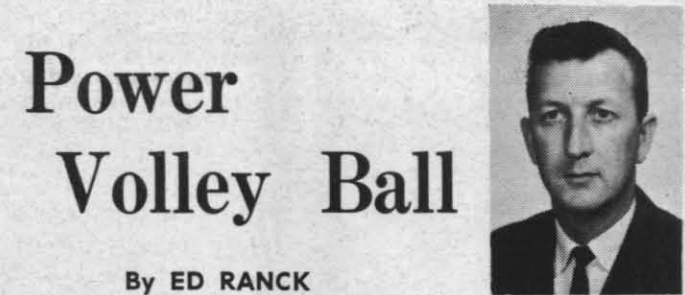
STATION LIBRARY LISTS NEW BOOKS

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

Fiction
 Carr—Science Fiction for People Who Hate Science Fiction.
 Hall—The Pleasure Garden.
 Hartog—The Captain.
 Morris—The Bird Watcher.

Non-Fiction
 Franklin—Reconstruction: After the Civil War.
 Lariat—Best Cartoons of the Year 1966.
 Marshall—The Officer As A Leader.
 Rosen—The Science of Handwriting Analysis.
 Smith—The United States Navy in World War II.
 Vandenbosch—The Changing Face of Southeast Asia.
 Warren—How to Make the Stock Market Make Money For You.

THE LOCKER ROOM



Power Volley Ball

By ED RANCK

It's doubtful that many people have ever associated the word "power," with volleyball. It's a word that can easily be identified with other sports; football and hockey for example, and of late, golf. The game of volleyball, however, has never been considered to be in the same class of these more popular sports. A survey of many fans would indicate that the only physical requirements for volleyball are that the body be warm, and the player possess a pair of arms and legs.

Until recent years, the game has been primarily an enjoyable way of whiling away a few hours on the sand, or getting a good workout at the local YMCA on Saturday afternoon. It's been a good way for the 9th grade girls' gym class to get in their required hour of physical education, and the squeals of delight coming from the school gym could testify to the raw brutality of their game. It's been a good lunch hour game, a little bit of exercise, a lot of fun, with little or no skill required to play.

Invented in 1895 by William G. Morgan, physical director of the Holyoke Mass. YMCA, volleyball was designed for just such a leisurely purpose. Unlike basketball, another "between the seasons" game which originated about the same time, the growth and popularity of volleyball as a competitive sport has been rather slow, and the game is only now beginning to come into its own.

The game is being played seriously in high schools and colleges throughout the country these days, and is beginning to attract a lot of interest in the armed forces. In 1964 it was added to the Olympic Games format, and at present should be considered as one of the fastest growing sports in the world.

The upsurge has been brought on by the "power volleyball" concept. Today's rules as compared to the original ones, are about the same. Volleyball is still a very easy game to learn. The style of play, the skills required and the effort needed to become proficient at power volleyball, as played in Class "A" or "AA" tournament competition is another story. It's an extremely difficult game to master.

There is probably one classic example of what it takes to become truly skilled at the game. It's the story of the Nichibo girls' team of Osaka, Japan. The Nichibo girls are the champions of the world. They were Olympic champions in 1964, and will probably repeat in '68. Although they lose a game occasionally, they haven't lost a match in six years.

The team was formed in Osaka in 1960, and from the beginning, the girls set their sights on an Olympic gold medal. They worked out eight hours a day, seven days a week for four years, all this coming after a full work day at the Nichibo Silk Mill. They won at Tokyo in 1964, and at this time, three years later, are still at the top of the game.

It's unlikely that any other volleyball team, either men's or women's, will ever expend this much effort for the sake of a world's championship. But the story of the Nichibo club is a good example of the amount of practice required to put together a great volleyball team.

Most of the skills needed in other sports are used here. Speed, agility, stamina and strength. The speed of the game may surprise many people. Top volleyball players can hit the ball at speeds up to 100 MPH, and most good hitters can come close to that.

Fielding a hard driven shot from 30 feet away requires agility seldom needed in other sports, except perhaps by an ice hockey goaltender. All this must be done without the benefit of using an open hand. The hands may be used only to set the ball, or to hit, providing the direction of the ball isn't changed in the process. It all adds up to a fast and exciting game, with the accent on team play.



HOW'S THAT AGAIN?—You won't believe it, but the honest to golly name of the tournament played by these men is the "Captain Hardy's Haggard Hackers Handicap Hessel." The tourney, honoring Captain Hardy's retirement, was played recently at the China Lake Golf Course. The winners, shown with Capt. Hardy in the middle, are Jim Rychkoff and Jim Connolly on the left with the low net score of 60, and LaVon Peterson and Bill Guess with a low gross of 73.

Burros Tie For Second Place In Golden League

BY MIKE TAYLOR

Burroughs High tied up second place in the Golden League by defeating the Palmdale Falcons, 67 to 52, in the final game of the 1967 league season last Friday night.

The Falcons were first on the boards, due to the Burros' rough sliding during the first three quarters of the Palmdale contest. The BHS Bandits managed to gain a three point advantage, 17-14, by the end of the first stanza, but were unable to maintain it during the remainder of the first half. The Birds made a comeback during the second period, as they edged into the lead, 33 to 31, outshooting the Burros by five points.

The third quarter was a saw-saw battle and neither team was able to take a decisive lead. Bruce Fagaly became the man of the hour for the BHS sharpshooters as he kept the action lively by sinking four consecutive buckets for eight of the 15 BHS points scored in the third quarter. It ended with the Burros in front by two, 46 to 44.

Palmdale didn't have a chance during the fourth quarter as the Burros team rolled up 21 points to eight for the Falcons. The Burros were ahead by 15, 67 to 52, when the final buzzer sounded, winning their 10th league game.

Jeff Blanche was the BHS high point man with 18 points. Fagaly was only four behind to take second away from Duke Martin who scored 13 points.

BOWLING NEWS

Ridgecrest Bowl once again rolled high team series in the Premier League, posting a 2672. Tom's Place had high team game with a 933. Two bowlers broke the 600 mark in the league this week, Earl Robey rolled a 225-618 and Ray Freasher had 234-613.

In the Women's Monday Night scratch league, the Unpredictables rolled a high team series of 2388. Neola Crimmins took individual honors with a 220-520. Other 500 series included Val Strommen 515, Charlotte DeMarco, 517, Diane Richardson 513 and Gerry Holland 501.

In Saturday's Senior Boy's League, Dan Fuller rolled a 535 series, while Dale Dowd had 529 and David Martin had 212-511. In the Girl's Seniors, Debbie Martin paced the action with a 406.

PREMIER LEAGUE STANDINGS

	W	L
Ridgecrest Bowl	46	20
Arden Farms	42	24
Burros Auto Parts	37	29
Tom's Place	28	38
Mercury Movers	23	43
Starlite	22	44

The difference between a good and poor showing for the Boston Red Sox last year was like the difference between night and day. The Sox won 44 and lost 40 in daylight and d were 28 and 50 at night.



TROPHY WINNERS — The top bowlers of the Women's City Bowling Tournament gather for a group photograph at the China Lake Bowl. The group includes, front row, left to right, Maggie Branson, All Events Handicap and Singles winner; Della Montano, All Events scratch. Back row, left to right, Winnie Stanton and Maxine Cole, Doubles winners, and Mary Harrell who had high series for the tournament.

Archie Moore Draws Large Crowd At Athletic Appreciation Night

"Honor, self confidence and truth." With these words, former light heavyweight champion Archie Moore expressed his idea as to what it takes for a young man to become a useful citizen.

Moore was guest speaker at Athletic Appreciation Night, held Wednesday. Before a crowd of over 100 people, he spoke of what he calls "the greatest fight of my life — the fight against juvenile delinquency."

"I'll show you what I mean when I say, a man may be down, but never out as long as he keeps trying." The showing of Moore's Yvon Durelle fight followed. He took a tremendous beating in the first few rounds, but came back to KO Durelle in the 11th. Although the outcome of the fight was known to all beforehand, Moore's display of courage was still impressive.

Moore's appearance on the stage and his accessibility to the crowd was enough to make the evening a success. The addition of a social hour, the awards presentation and a fine buffet was enough to send the crowd home happy. It was the first attempt at such a night at the Aero Science Falcons, to the stage. It was soon apparent that few of the Falcons were ready for a ring career.



EXCHANGING IDEAS — Captain R. F. Schall, CO of NAF chats with Archie Moore during the social hour at Athletic Appreciation Night. Les Fairell, guest of honor at the affair, looks on.